# Final
# Environmental Impact Statement / Environmental Impact Report for the Edwards AFB Solar Project

Appendices

**SCH# 2017111079**

***Volume 1***
***Appendices A1 through B3***

***Edwards AFB Solar Project***
**(PP18136)**

Kern County
Planning and Natural Resources Department
Bakersfield, California

Department of the Air Force
Headquarters 412th Test Wing (AFMC)
Edwards Air Force Base California

January 2020

# Final
# Environmental Impact Statement / Environmental Impact Report for the Edwards AFB Solar Project

Appendices

**SCH# 2017111079**

***Volume 1***
***Appendices A1 through B3***

***Edwards AFB Solar Project***
**(PP18136)**


Kern County Planning and Natural Resources Department
Public Services Building
Attn: Craig Murphy, Division Chief
2700 M Street, Suite 100
Bakersfield, CA 93301-2370
(661) 862-8600

412 CEG/CEVA
Attn: Andrea Brewer-Anderson
120 N. Rosamond Blvd.
Building 3735, Suite A
Edwards AFB, CA 93524-8600
(661) 277-4948

*Technical Assistance by:*
ESA
626 Wilshire Boulevard, Suite 1100
Los Angeles, CA 90017
(213) 599-4300



January 2020

# Appendix A
## Consultation

# A1. NOI/NOP

**Lorelei H. Oviatt, AICP, Director**
**2700 "M" Street, Suite 100**
**Bakersfield, CA 93301-2323**
**Phone: (661) 862-8600**
**Fax: (661) 862-8601** TTY Relay 1-800-735-2929
**Email: planning@co.kern.ca.us**
**Web Address: http://pcd.kerndsa.com/**

**PLANNING AND NATURAL RESOURCES DEPARTMENT**

**Planning**
**Community Development**
**Administrative Operations**

# NOTICE OF PREPARATION

**DATE:** November 27, 2017

**TO:** See Attached Mailing List

**FROM:** Kern County Planning and
Natural Resources Department
Attn: Janice Mayes
2700 "M" Street, Suite 100
Bakersfield, CA 93301 (661) 862-8793
mayesj@kerncounty.com

**RE: NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT**

The Kern County Planning and Natural Resources Department, as Lead CEQA Agency (pursuant to California Environmental Quality Act [CEQA] Guidelines Section 15052) has determined that preparation of an Environmental Impact Report (EIR) (pursuant to CEQA Guidelines Section 15161) is necessary for the project identified below. The Planning and Natural Resources Department solicits the views of your agency as to the scope and content of the environmental information which is germane to your agency's statutory responsibilities about the proposed project. Your agency will need to use the EIR prepared by our agency when considering your permit or other approval of projects.

Due to limits mandated by State law, your response must be received by **December 27, 2017 at 5:00 p.m.** In addition, comments can be submitted at a scoping meeting to be held on **December 12, 2017 at 5:30 p.m.**

**SCOPING MEETING:** Mojave Veterans Hall, Room 1
15580 O Street, Mojave, CA
5:30 p.m.to 8:30 p.m.

**PROJECT TITLE:** EIR JKM 07-17; Edwards AFB Solar Project by Edwards AFB Solar, LLC (PP18136)

**PROJECT LOCATION:** The proposed project is located at the northwest corner of Edwards Air Force Base (AFB), southeast of the unincorporated town of Mojave, in eastern Kern County. The site is located in: Township 10 North, Range 11 West and Township 10 North, Range 12 West; with the transmission corridor running through Township 11 North, Range 12 West; and Township 11 North, Range 13 West, all in the San Bernardino Base and Meridian.

**PROJECT DESCRIPTION:** The proposed project includes a request for a Franchise Agreement with the County of Kern for the transmission corridor along existing County rights-of-way. As a solar renewable energy development the project would generate up to 600 megawatts (MW) of electricity on approximately 3,500 acres of land within a 6,000-acre area of Edwards AFB. As part of the project a 230-kV overhead interconnection transmission corridor would be installed between Edwards AFB and the privately-owned Westwind Substation and to the SCE's Windhub Substation on Oak Creek Road. The project's permanent facilities would include up to 2 million solar panels, service roads, a power collection system, communication cables, overhead and underground transmission lines, electrical switchyards, on-site substations, energy storage facilities and appurtenances, and operations and maintenance facilities.

Signature: Janice Mayes
Name: Janice Mayes, Planner 2

**DEPARTMENT OF DEFENSE**

# NOTICE OF INTENT TO PREPARE AN ENVIRONEMTAL IMPACT STATEMENT AND ENVIRONMENTAL IMPACT REPORT FOR THE EDWARDS AIR FORCE BASE SOLAR ENHANCED USE LEASE PROJECT

**AGENCY:** United States Air Force

**ACTION:** Notice of Intent

**SUMMARY:** The United States Air Force (The Air Force) is issuing this notice to advise the public of the intent to prepare a joint Environmental Impact Statement and Environmental Impact Report with the County of Kern, California. The Environmental Impact Statement and Environmental Impact Report will assess the potential environmental consequences of various alternatives for development of the Edwards Air Force Base Solar Enhanced Use Lease Project.

**DATES**: The Air Force invites the public, stakeholders, and other interested parties to attend an open house public scoping meeting on December 12, 2017 from 5 p.m. to 8 p.m. at the Mojave Veterans Memorial Building located at address 15580 O Street; Mojave, California 93501.

**ADDRESSES**: Scoping comments may also be submitted to: Gary Hatch, Environmental Public Affairs, Bldg. 1405 Room 400, Edwards Air Force Base, California 93524; e-mail: 412tw.pae@edwards.af.mil, Phone: 661-277-4127, Fax: ( 661) 277-2732. Handicap assistance or translation service at public meetings can be made available by providing advance notice to Mr. Hatch at the contact information listed above.

Comments will be accepted at any time during the environmental impact analysis process. However, to ensure the Air Force has sufficient time to consider public input in the preparation of the Draft Environmental Impact Statement, scoping comments should be submitted by January 12, 2017.

**SUPPLEMENTARY INFORMATION**: The Solar Enhanced Use Lease Project will be sited up to 4,000 acres of available, non-excess Air Force land located on Edwards Air Force Base. Alternatives which meet the purpose and need for the Proposed Action have been identified and include the No Action Alternative and two additional alternatives. Alternative A includes full-scale project development of a 600 Megawatt solar PV project and construction of a 150 Megawatt battery storage facility on up to 4,000 acres of Edwards Air Force Base property located in the northwestern corner of the base. Alternative B represents a reduced-scale alternative for the construction and operation of a 200 Megawatt solar PV project and construction of a 150 Megawatt battery storage facility. Under Alternative B, the reduced-scale project will be sited on up to 1,500 acres of Edwards Air Force Base non-excess property within the same project footprint as Alternative A. The project also includes construction of a Gen-tie line of approximately 10-14 miles in total length. The Gen-tie includes a north-south component

and an east-west component. There are three alternatives for the north–south Gen-tie connection. The Proposed Action will include only one of these three north-south route options. There are two alternatives for the east–west Gen-tie connection. The Proposed Action will include only one of these two east–west route options. The Proposed Action is subject to the requirements and objectives of Executive Order 11988, Floodplain Management, as amended. All alternatives for the Proposed Action, including alternatives for the Gen-tie line will result in impacts to floodplains.

**SCOPING AND AGENCY COORDINATION**: To effectively define the full range of issues to be evaluated in the Environmental Impact Statement and Environmental Impact Report, the Air Force will determine the scope of the analysis by soliciting comments from interested local, state and federal elected officials and agencies, as well as interested members of the public and others. Implementation of the Edwards Solar Enhanced Use Lease Project would have the potential to be located in a floodplain and/or wetland. Consistent with the requirements and objectives of Executive Order 11990, "Protection of Wetlands," and Executive Order 11988, "Floodplain Management," as amended by Executive Order 13690, "Establishing a Federal Flood Risk Management Standard and a Process for Further Soliciting and Considering Stakeholder Input," state and federal regulatory agencies with special expertise in wetlands and floodplains will be contacted to request comment. Consistent with Executive Order 11988, Executive Order 13690, and Executive Order 11990, this Notice of Intent initiates early public review of the alternatives that have the potential to be located in a floodplain and/or wetland. Notification of the meeting locations, dates, and times will be published and announced in local news media no later than 15 days prior to public scoping meetings.

The scoping process will help identify the full range of reasonable alternatives, potential impacts, and key issues to be emphasized in the environmental analysis. The Air Force has identified potential impacts to the following resources: Air Quality, Biological Resources, Cultural and Historical Resources, Water Resources, Land Use, Paleontological Resources, Soils, and Visual Resources. Scoping will assist the Air Force and Kern County in identifying and addressing other issues of concern.

Oral and written comments presented at the public scoping meetings, as well as written comments received by the Air Force or County of Kern will be considered in the preparation of the Draft Environmental Impact Statement and Environmental Report.

Edwards AFB Solar Project (EIR 07-17)
WO #PP18136
I:\Planning\WORKGRPS\WP\LABELS\eir07-17jkm.ec.doc
Sc 11/15/17

City of Arvin
P.O. Box 548
Arvin, CA 93203

Bakersfield City Planning Dept
1715 Chester Avenue
Bakersfield, CA 93301

Bakersfield City Public Works Dept
1501 Truxtun Avenue
Bakersfield, CA 93301

California City Planning Dept
21000 Hacienda Blvd.
California City, CA 93515

Delano City Planning Dept
P.O. Box 3010
Delano, CA 93216

City of Maricopa
P.O. Box 548
Maricopa, CA 93252

City of McFarland
401 West Kern Avenue
McFarland, CA 93250

City of Ridgecrest
100 West California Avenue
Ridgecrest, CA 93555

City of Shafter
336 Pacific Avenue
Shafter, CA 93263

City of Taft
Planning & Building
209 East Kern Street
Taft, CA 93268

City of Tehachapi
Attn: John Schlosser
115 South Robinson Street
Tehachapi, CA 93561-1722

Ventura County RMA Planning Div
800 South Victoria Avenue, L1740
Ventura, CA 93009-1740

Inyo County Planning Dept
P.O. Drawer "L"
Independence, CA 93526

Kings County Planning Agency
1400 West Lacey Blvd, Bldg 6
Hanford, CA 93230

Los Angeles Co Reg Planning Dept
320 West Temple Street
Los Angeles, CA 90012

San Bernardino Co Planning Dept
385 North Arrowhead Avenue, 1st Floor
San Bernardino, CA 92415-0182

San Luis Obispo Co Planning Dept
Planning and Building
976 Osos Street
San Luis Obispo, CA 93408

Santa Barbara Co Resource Mgt Dept
123 East Anapamu Street
Santa Barbara, CA 93101

Tulare County Planning & Dev Dept
5961 South Mooney Boulevard
Visalia, CA 93291

Ventura County RMA Planning Div
800 South Victoria Avenue, L1740
Ventura, CA 93009-1740

U.S. Bureau of Land Management
Ridgecrest Field Office
300 South Richmond Road
Ridgecrest, CA 93555

China Lake Naval Weapons Center
Tim Fox, RLA - Comm Plans & Liaison
429 E Bowen, Building 981
Mail Stop 4001
China Lake, CA 93555

Edwards AFB, Sustainability Office
412 TW/XPO, Bldg 2750, Rm 204-38
195 East Popson Avenue
Edwards AFB, CA 93524

Federal Aviation Administration
Western Reg Office/
Airport Div - Room 3000
15000 Aviation Boulevard
Lawndale, CA 90261

Federal Communications Comm
18000 Studebaker Road, #660
Cerritos, CA 90701

U.S. Fish & Wildlife Service
777 East Tahquitz Canyon Way, Suite 208
Palm Springs, CA 92262

Eastern Kern Resource Cons Dist
300 South Richmond Road
Ridgecrest, CA 93555-4436

Environmental Protection Agency
Region IX Office
75 Hawthorn Street
San Francisco, CA 94105

U.S. Dept of Agriculture/NRCS
5000 California Avenue, Ste 100
Bakersfield, CA 93309-0711

U.S. Army Corps of Engineers
P.O. Box 997
Lake Isabella, CA 93240

U.S. Army Corps of Engineers
Regulatory Division
1325 "J" Street, #1350
Sacramento, CA 95814-2920

U.S. Postal Service
Address Management Systems
28201 Franklin Parkway
Santa Clarita, CA 91383-9321

State Air Resources Board
Stationary Resource Division
P.O. Box 2815
Sacramento, CA 95812

So. San Joaquin Valley Arch Info Ctr
California State University of Bkfd
9001 Stockdale Highway
Bakersfield, CA 93311

Caltrans/Dist 6
Planning/Land Bank Bldg.
P.O. Box 12616
Fresno, CA 93778

Caltrans/Dist 9
Planning Department
500 South Main Street
Bishop, CA 93514

State Clearinghouse
Office of Planning and Research
1400 - 10th Street, Room 222
Sacramento, CA 95814

State Dept of Conservation
Director's Office
801 "K" Street, MS 24-01
Sacramento, CA 95814-3528

State Dept of Conservation
Division of Oil & Gas
4800 Stockdale Highway, Ste 108
Bakersfield, CA 93309

State Dept of Conservation
Office of Land Conservation
801 "K" Street, MS 18-01
Sacramento, CA 95814

California State University
Bakersfield - Library
9001 Stockdale Highway
Bakersfield, CA 93309

California Energy Commission
James W. Reed, Jr.
1516 Ninth Street
Mail Stop 17
Sacramento, CA 95814

California Fish & Wildlife
1234 East Shaw Avenue
Fresno, CA 93710

California Highway Patrol
Planning & Analysis Division
P.O. Box 942898
Sacramento, CA 94298-0001

Public Utilities Comm Energy Div
505 Van Ness Avenue
San Francisco, CA 94102

California Regional Water Quality
Control Board/Lahontan Region
15095 Amargosa Road - Bld 2, Suite 210
Victorville, CA 92392

State Lands Commission
100 Howe Avenue, Ste 100-South
Sacramento, CA 95825-8202

State Dept of Toxic Substance Control
Environmental Protection Agency
1515 Tollhouse Road
Clovis, CA 93612

Kern County
Agriculture Department

Kern County Administrative Officer

Kern County Public Works Department/
Building & Development/Floodplain

Kern County Public Works Department/
Building & Development/Survey

Kern County
Env Health Services Department

Kern County Fire Dept
Brian Marshall, Fire Chief

Kern County Fire Dept
Cary Wright, Fire Marshall

Kern County Library/Beale
Local History Room

Kern County Library/Beale
Andie Apple

Kern County Library
California City Branch
9507 California City Boulevard
California City, CA 93505

Kern County Library
Mojave Branch
16916 1/2 Highway 14, Space D2
Mojave, CA 93501

Kern County Library
Wanda Kirk/Rosamond Branch
3611 Rosamond Boulevard
Rosamond, CA 93560

Kern County Parks & Recreation

Kern County Sheriff's Dept
Administration

Kern County Public Works Department/
Building & Development/Development
Review

Kern County Public Works
Department/Operations &
Maintenance/Regulatory Monitoring &
Reporting

Kern County Public Works Department/
Building & Development/Code
Compliance

Mojave Town Council
Bill Deaver, President
P.O. Box 1113
Mojave, CA 93502-1113

Mojave Unified School Dist
3500 Douglas
Mojave, CA 93501

Southern Kern Unified School Dist
P.O. Box CC
Rosamond, CA 93560

Kern County Superintendent of Schools
Attention Mary Baker
1300 17th Street
Bakersfield, CA 93301

KernCOG
1401 19th Street - Suite 300
Bakersfield, CA 93301

Golden Hills Community Serv Dist
P.O. Box 637
Tehachapi, CA 93581

Mojave Public Utility Dist
15844 "K" Street
Mojave, CA 93501

Antelope Valley-East Kern
Water Agency
6500 West Avenue N
Palmdale, CA 93551

Kern County Water Agency
P.O. Box 58
Bakersfield, CA 93302-0058

East Kern Air Pollution
Control District

Mojave Airport
1434 Flightline
Mojave, CA 93501

East Kern Airport Dist
Attention Stuart Witt
1434 Flightline
Mojave, CA 93501

East Kern Airport Dist Engineer
3900 Ridgemoor Avenue
Bakersfield, CA 93306

Northcutt and Associates
4220 Poplar Street
Lake Isabella, CA 93240-9536

Adams, Broadwell, Joseph & Cardozo
Attention: Janet M. Laurain
601 Gateway Boulevard, Suite 1000
South San Francisco, CA 94080

AT&T California
OSP Engineering/Right-of-Way
4540 California Avenue, 4th Floor
Bakersfield, CA 93309

Kern Audubon Society
Attn: Harry Love, President
13500 Powder River Avenue
Bakersfield, CA 93314

Los Angeles Audubon
926 Citrus Avenue
Los Angeles, CA 90036-4929

Center on Race, Poverty
& the Environment
Attn: Marissa Alexander
1999 Harrison Street – Suite 650
San Francisco, CA 94612

Center on Race, Poverty
& the Environmental/
CA Rural Legal Assistance Foundation
1012 Jefferson Street
Delano, CA 93215

Defenders of Wildlife/
Kim Delfino, California Dir
980 - 9th Street, Suite 1730
Sacramento, CA 95814

Desert Tortoise Preserve Committee
4067 Mission Inn Avenue
Riverside, CA 92501

California Farm Bureau
2300 River Plaza Drive, NRED
Sacramento, CA 95833

Mojave Chamber of Commerce
P.O. Box 935
Mojave, CA 93502

Native American Heritage Council
of Kern County
Attn: Gene Albitre
3401 Aslin Street
Bakersfield, CA 93312

Beth Boyst
Pacific Crest Trail Program Manager
1323 Club Drive
Vallejo, CA 94592

Anitra Kass
Pacific Crest Trail Association
41860 Saint Annes Bay Drive
Bermuda Dunes, CA 92203

Sierra Club/Kern Kaweah Chapter
P.O. Box 3357
Bakersfield, CA 93385

Southern California Edison
2244 Walnut Grove, Ave, GO-1 Quad 2C
Rosemead, CA 91770

Southern California Gas Co
1510 North Chester Avenue
Bakersfield, CA 93308

Southern California Gas Co
Transportation Dept
9400 Oakdale Avenue
Chatsworth, CA 91313-6511

Chumash Council of Bakersfield
2421 "O" Street
Bakersfield, CA 93301-2441

David Laughing Horse Robinson
P.O. Box 20849
Bakersfield, CA 93390

Kern Valley Indian Council
Attn: Robert Robinson, Chairperson
P.O. Box 401
Weldon, CA 93283

Kern Valley Indian Council
Historic Preservation Office
P.O. Box 401
Weldon, CA 93283

Santa Rosa Rancheria
Ruben Barrios, Chairperson
P.O. Box 8
Lemoore, CA 93245

Tejon Indian Tribe
Kathy Morgan, Chairperson
1731 Hasti-acres Drive, Suite 108
Bakersfield, CA 93309

Kitanemuk & Yowlumne Tejon Indians
Chairperson
115 Radio Street
Bakersfield, CA 93305

Tubatulabals of Kern County
Attn: Robert Gomez, Chairperson
P.O. Box 226
Lake Isabella, CA 93240

Tule River Indian Tribe
Neal Peyron, Chairperson
P.O. Box 589
Porterville, CA 93258

Matthew Gorman
The Gorman Law Firm
1346 E. Walnut Street, Suite 220
Pasadena, CA 91106

Eight Bar Ranch
Jon and Helen Lantz
11300 Cameron Canyon Road
Mojave, CA 93501

Joyce LoBasso
P.O. Box 6003
Bakersfield, CA 93386

LIUNA
Attn: Arthur Izzo
2201 "H" Street
Bakersfield, CA 93301

Mojave Foundation
Attn: Todd Quelet
16922 Airport Boulevard
Mojave, CA 93501

Tehachapi Resource Cons Dist
321 West "C" Street
Tehachapi, CA 93561-2011

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1417 NW Everett Street
Portland, OR 97209

Lozeau Drury LLP
410 – 12th Street, Suite 250
Oakland, CA 94607

Supervisor Zack Scrivner
2nd District

State Dept of Public Health
Drinking Water Field Ops
265 W Bullard Avenue, Ste 101
Fresno, CA 93704-1755

Southern California Edison
Planning Dept.
421 West "J" Street
Tehachapi, CA 93561

Congentrix Sunshine, LLC
Rick Neff
9405 Arrowpoint Blvd
Charlotte, NC 28273

Terra-Gen
Randy Hoyle, Sr. Vice Pres
11512 El Camino Real, Suite 370
San Diego, CA 92130

Renewal Resources Group
Holding Company
Rupal Patel
113 South La Brea Avenue, 3rd Floor
Los Angeles, CA 90036

Wind Stream, LLC
Albert Davies
1275 - 4th Street, No. 107
Santa Rosa, CA 95404

Fotowatio Renewable Ventures
Sean Kiernan
44 Montgomery Street, Suite 2200
San Francisco, CA 94104

EDP Renewables Company
53 SW Yamhill Street
Portland, OR 97204

PG&E
Steven Ng, Manager
Renewal Dev, T&D Intercon
77 Beal Street, Room 5361
San Francisco, CA 94105

Darren Kelly, Sr. Business Mgr
Terra-Gen Power, LLC
1095 Avenue of the Americas, 25th Floor, Ste A
New York, NY 10036-6797

Bill Barnes, Dir of Asset Mgt
AES Midwest Wind Gen
P.O. Box 2190
Palm Springs, CA 92263-2190

Recurrent Energy
Seth Israel
300 California Street, 8th Floor
San Francisco, CA 92109

Wayne Mayes, Dir Tech Serv
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1125 NW Couch St, Ste 700, 7th Fl
Portland, OR 97209

Michael Strickler, Sr Project Mgr
Iberdrola Renewables
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Portland, OR 97209

T.T Case
P.O. Box 2416
Tehachapi, CA 93581

Tehachapi Area Assoc of Realtors
Carol Lawhon, Assoc Exe, IOM
803 Tucker Road
Tehachapi, CA 93561

Kelly Group
Kate Kelly
P.O. Box 868
Winters, CA 95694

Structure Cast
Larry Turpin, Sales Mgr
8261 McCutchen Road
Bakersfield, CA 93311

Beyond Coal Campaign/Sierra Club
Sarah K. Friedman
1417 Calumet Avenue
Los Angeles, CA 90026

Robert Burgett
9261 - 60th Street, West
Mojave, CA 93501

David Walsh
22941 Banducci Road
Tehachapi, CA 93561

U.S. Air Force
Attn: David Bell/AFCEC CZPW
Western Regional/Leg Branch
510 Hickman Ave., Bld 250-A
Travis AFB, CA 94535-2729

U.S. Army
Attn: Philip Crosbie, Chief
Strategic Plans, S3, NTC
P.O. Box 10172
Fort Irwin, CA 92310

U.S. Army
Attn: Tim Kilgannon, Region 9 Coordinator
Office of Strategic Integration
721 - 19th Street, Room 427
Denver, CO 80202

U.S. Navy
Attn: Steve Chung
Regional Community & Liaison Officer
1220 Pacific Highway
San Diego, CA 92132-5190

U.S. Marine Corps
Attn: Patrick Christman
Western Regional Environmental Officer
Building 1164/Box 555246
Camp Pendleton, CA 92055-5246

# Notice of Completion & Environmental Document Transmittal

*Mail to:* State Clearinghouse, P. O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
*For Hand Delivery/Street Address:* 1400 Tenth Street, Sacramento, CA 95814

**SCH #** _____

**Project Title:** EIR JKM 07-17; Edwards Air Force Base Solar Project by Edwards AFB Solar, LLC.

Lead Agency: Kern County Planning Department — Contact Person: Janice Mayes
Mailing Address: 2700 "M" Street Suite 100 — Phone: (661) 862-8793
City: Bakersfield — Zip: 93301-2323 — County: Kern

**Project Location:** County: Kern — City/Nearest Community: Rosamond, City of Mojave
Cross Streets: Trotter Avenue and Lone Butte Road — Zip Code: N/A
Lat. / Long.: 34° 58′ 0″ N / 118° 8′ 27″ W — Total Acres: 6,000
Assessor's Parcel No.: Edwards AFB -Multiple — Section: Multiple — Twn: 10 & 11N — Range: 11;12; & 13W — Base: SBB&M
Within 2 Miles: State Hwy #: SR 14 — Waterways: N/A
Airports: N/A — Railways: N/A — Schools: N/A

**Document Type:**

CEQA:
- ☒ NOP
- ☐ Early Cons
- ☐ Neg Dec
- ☐ Mit Neg Dec
- ☐ Draft EIR
- ☐ Supplement/Subsequent EIR (Prior SCH No.) _____
- Other _____

NEPA:
- ☒ NOI
- ☐ EA
- ☐ Draft EIS
- ☐ FONSI

Other:
- ☐ Joint Document
- ☐ Final Document
- ☐ Other _____

**Local Action Type:**

- ☐ General Plan Update
- ☐ General Plan Amendment
- ☐ General Plan Element
- ☐ Community Plan
- ☐ Specific Plan
- ☐ Master Plan
- ☐ Planned Unit Development
- ☐ Site Plan
- ☐ Rezone
- ☐ Prezone
- ☐ Use Permit
- ☐ Land Division (Subdivision, etc.)
- ☐ Annexation
- ☐ Redevelopment
- ☐ Coastal Permit
- ☒ Other Franchise Agrmnt

**Development Type:**

- ☐ Residential: Units _____ Acres _____
- ☐ Office: Sq.ft. _____ Acres _____ Employees _____
- ☒ Commercial: Sq.ft. _____ Acres 3,500 Employees 10 perm.
- ☐ Industrial: Sq.ft. _____ Acres _____ Employees _____
- ☐ Educational _____
- ☐ Recreational _____
- ☐ Water Facilities: Type _____ MGD _____
- ☐ Transportation: Type _____
- ☐ Mining: Mineral _____
- ☒ Power: Type Solar PV MW up to 600
- ☐ Waste Treatment: Type _____ MGD _____
- ☐ Hazardous Waste: Type _____
- ☐ Other: _____

**Project Issues Discussed in Document:**

- ☒ Aesthetic/Visual
- ☒ Agricultural Land
- ☒ Air Quality
- ☒ Archeological/Historical
- ☒ Biological Resources
- ☐ Coastal Zone
- ☒ Drainage/Absorption
- ☒ Economic/Jobs
- ☐ Fiscal
- ☒ Flood Plain/Flooding
- ☒ Forest Land/Fire Hazard
- ☒ Geologic/Seismic
- ☒ Minerals
- ☒ Noise
- ☐ Population/Housing Balance
- ☒ Public Services/Facilities
- ☐ Recreation/Parks
- ☐ Schools/Universities
- ☒ Septic Systems
- ☐ Sewer Capacity
- ☒ Soil Erosion/Compaction/Grading
- ☒ Solid Waste
- ☒ Toxic/Hazardous
- ☒ Traffic/Circulation
- ☐ Vegetation
- ☒ Water Quality
- ☒ Water Supply/Groundwater
- ☒ Wetland/Riparian
- ☒ Wildlife
- ☐ Growth Inducing
- ☒ Land Use
- ☒ Cumulative Effects
- ☐ Other _____

**Present Land Use/Zoning/General Plan Designation:**

Undeveloped EAFB Land. *Zoning:* A-1 (Limited Agriculture); *Kern County General Plan:* 1.1 (State and Federal Land); Franchise Agreement land: Multiple zoning and designations within multiple general and specific plans (see NOP details attached)

**Project Description:** *(please use a separate page if necessary)* The Developer is requesting: (a) a Franchise Agreement with the County of Kern to facilitate the construction, and operation of an up to 3,500 acres 600 MW solar facility. The project would be supported by a 230-kV overhead/underground transmission corridor. The transmission line would generally be aligned from the north/south and then east/west where it ultimately would be connected to the existing privately-owned Westwind Substation in the first phase of the project and then to the SCE Whirlwind Substation in subsequent phases of the project. The project's permanent facilities would include up to 2 million solar panels, service roads, security fencing, a power collection system, battery storage, communication cables, overhead and underground transmission lines, electrical switchyards, a substation, and an operations and maintenance facility.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with and "**X**".
If you have already sent your document to the agency please denote that with an "**S**".

| | | | |
|---|---|---|---|
| S | Air Resources Board | | Office of Emergency Services |
| | Boating & Waterways, Department of | | Office of Historic Preservation |
| S | California Highway Patrol | | Office of Public School Construction |
| | CalFire | | Parks & Recreation |
| S | Caltrans District # 6 & 9 | | Pesticide Regulation, Department of |
| | Caltrans Division of Aeronautics | S | Public Utilities Commission |
| | Caltrans Planning (Headquarters) | S | Regional WQCB # Lahontan |
| | Central Valley Flood Protection Board | | Resources Agency |
| | Coachella Valley Mountains Conservancy | | S.F. Bay Conservation & Development Commission |
| | Coastal Commission | | San Gabriel & Lower L.A. Rivers and Mtns Conservancy |
| | Colorado River Board | | San Joaquin River Conservancy |
| S | Conservation, Department of | | Santa Monica Mountains Conservancy |
| | Corrections, Department of | | State Lands Commission |
| | Delta Protection Commission | | SWRCB: Clean Water Grants |
| | Education, Department of | | SWRCB: Water Quality |
| S | Energy Commission | | SWRCB: Water Rights |
| S | Fish & Game Region # Fresno | | Tahoe Regional Planning Agency |
| | Food & Agriculture, Department of | S | Toxic Substances Control, Department of |
| | General Services, Department of | | Water Resources, Department of |
| | Health Services, Department of | | |
| | Housing & Community Development | S | Other CA Public Health |
| | Integrated Waste Management Board | | Other |
| S | Native American Heritage Commission (KC) | | |

**Local Public Review Period (to be filled in by lead agency)**

Starting Date November 27, 2017 Ending Date December 27, 2017

**Lead Agency (Complete if applicable):**

Consulting Firm: ESA
Address: 626 Wilshire Boulevard, Suite 100
City/State/Zip: Los Angeles, CA 90017
Contact: Jason Ricks, Sr. Managing Associate
Phone: 213-599-4318

Applicant: County of Kern, Planning & Natural Resources Dept.
Address: 2700 "M" Street, Suite 100
City/State/Zip: Bakersfield, CA 93301
Contact: Janice Mayes
Phone: 661-862-8793

**Signature of Lead Agency Representative:** Janice Mayes **Date:** 11/27/17

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

**INITIAL STUDY/NOTICE OF PREPARATION**

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# Edwards AFB Solar Project
# by Edwards AFB Solar, LLC
# (PP18136)

Franchise Agreement

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**LEAD AGENCY FOR CEQA:**


Kern County Planning and Natural Resources Department
2700 M Street, Suite 100
Bakersfield, CA 93301-2370

Contact: Janice Mayes
*(661) 862-8793*
*mayesj@kerncounty.com*


**November 2017**

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# 1.0 Project Description

The proposed project involves the lease of land from Edwards Air Force Base (AFB) to Edwards AFB Solar, LLC (Developer) for the construction, operation, and maintenance of a solar photovoltaic (PV) energy-generating facility (solar facility) of up to 600-megawatts (MW); including a substation and operations and maintenance facility, on non-excess land at Edwards AFB. The proposed project also includes development of an associated 230-kilovolt (kV) generation interconnection transmission line (gen-tie line) with up to two circuits and associated fiber optic communications.

The Project consists of two main components: 1) a solar facility site located on land that is subject to the jurisdiction of the U.S. Air Force (Air Force); and 2) generation interconnection lines (gen-tie lines) located on land that is subject to the jurisdiction of Kern County (County) and the Air Force; therefore, Kern County and the Air Force will direct the preparation of a joint Environmental Impact Statement (EIS) and Environmental Impact Report (EIR) for the Edwards AFB Solar Project (herein identified as the Project).

In response to a Request for Qualifications (RFQ) issued by the Air Force for solar development through the Enhanced Use Lease (EUL) program, the Developer submitted a proposal to Edwards AFB to construct, operate, and maintain a utility-scale solar PV energy-generating facility. Edwards AFB property would be developed under the terms of a site development lease on up to 3,500-acres of non-excess real property under the control of the Secretary of the Air Force. The Developer filed an application with the County for a franchise agreement for routing a generation tie (gen-tie) transmission line from the proposed solar facility to the Southern California Edison (SCE) Windhub Substation and/or the privately owned Westwind Substation.

In compliance with the National Environmental Policy Act (NEPA) as implemented by the Air Force's Environmental Impact Analysis Process (EIAP) regulation, 32 CFR §989, and the California Environmental Quality Act (CEQA), the Air Force and County are preparing an EIS/EIR to inform the public and other interested entities of the Project. This EIS/EIR process is intended to provide opportunties for public involvement, and to assess the project impacts to the human and natural environment. The information contained in this Draft EIS/EIR will be considered by the Air Force in its decisionmaking on whether and how to proceed with the proposed Project. Additionally, the County will consider the information in its determination of whether to authorize the franchise agreement. Finally, this documented information may also be considered by other governmental or regulatory agencies associated with any required consultations or permits for the Project.

## 1.1 Project Location

The proposed solar facility is located within Sections 13, 14, 15, 22, 23, 24, and 27 T10N/R12W and Sections 15. 16, 17, 18, 19 and 20 T10N/R11W SBB&M on Edwards AFB property, approximately six miles northeast of the community of Rosamond and five miles south of Mojave, in southeastern Kern County, California (Figures 1 and 2). The proposed gen-tie line route options are located in Sections 1, 3, 10, 12, and 15 T10N/12W; Section 7 T10N/R11W; Sections 34, 35, 36 T11N/R12W; Sections 19, 20, 21, 26, 27, 28, 29, 30, 34, 35 and 36 T11N/R12W; and Sections 16, 17, 20, 21, 25, 26, 27, and 28 T11N/R13W SBB&M. The proposed gen-tie line would run approximately 14 miles northwest from the solar facility to the SCE Windhub Substation located northwest of the solar facility, south of Oak Creek Road as well as the privately-owned Westwind substation, north of Oak Creek Road (Figure 2). The alignment options currently being considered for the gen-tie line are referred to as the "route options."

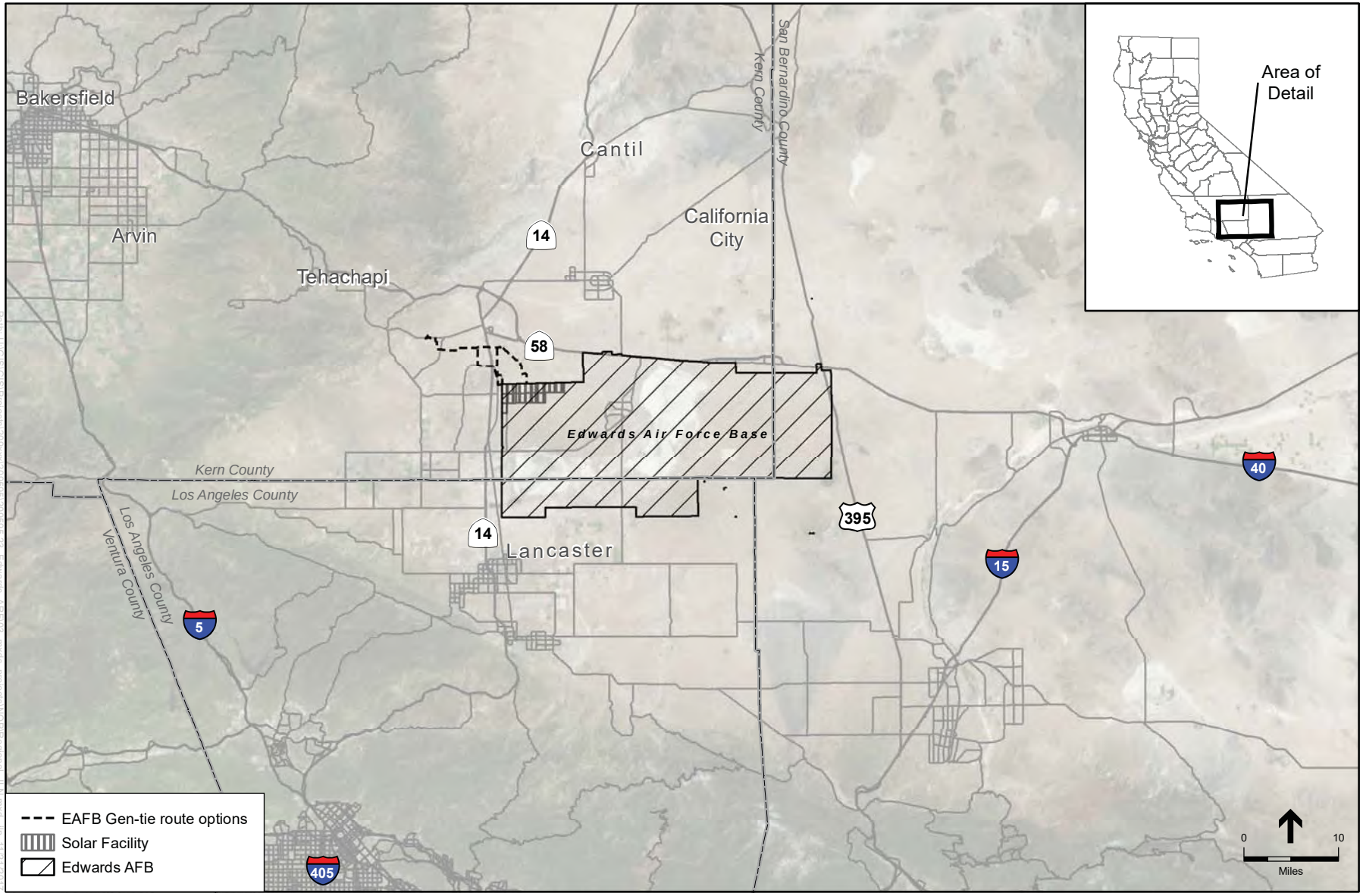



**Figure 1: PROJECT VICINITY**

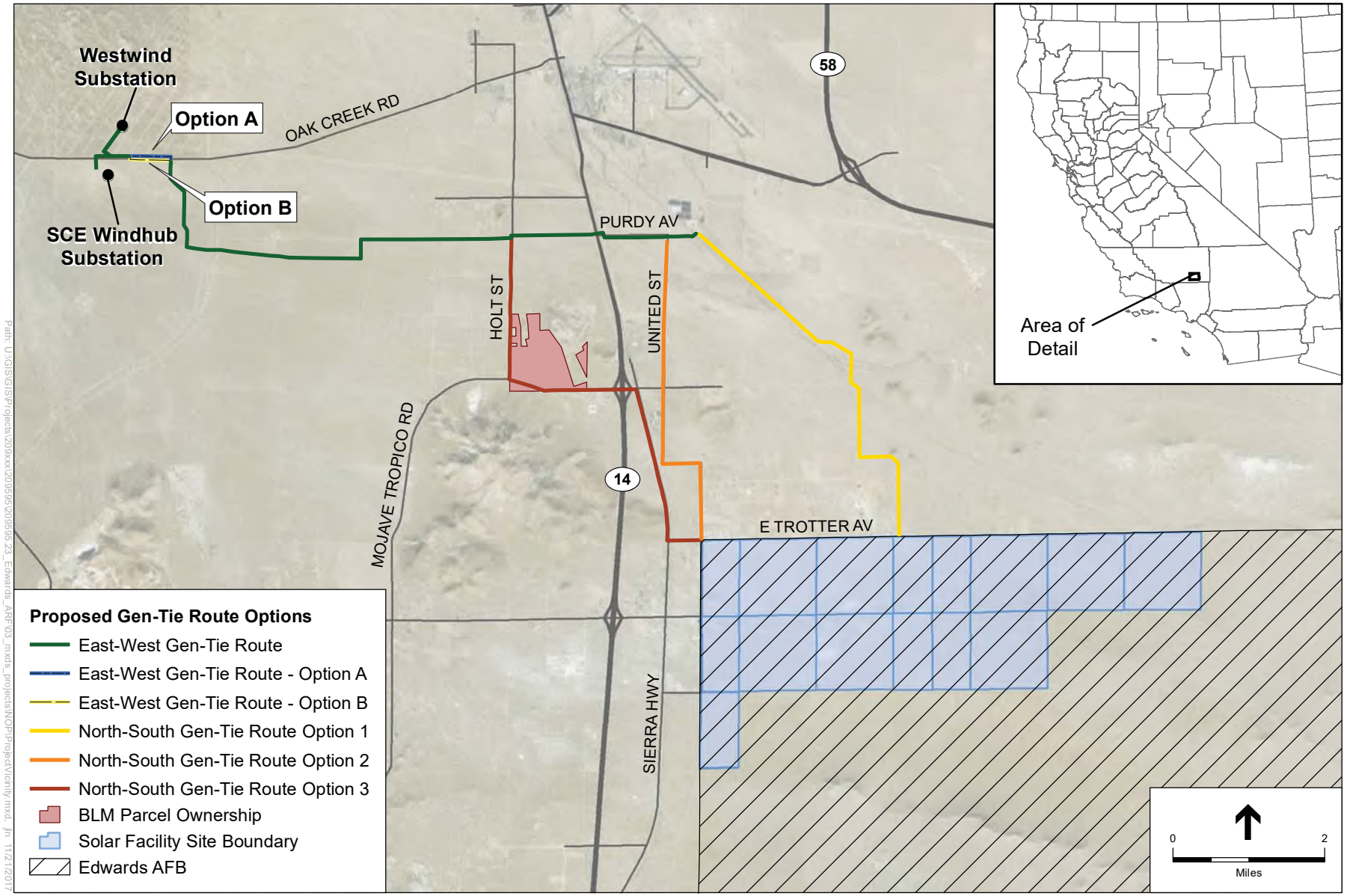



**Figure 2: SITE BOUNDARIES**

Edwards AFB consists of approximately 308,000 acres of largely undeveloped or semi-improved land used predominantly for aircraft test ranges and maintained and unmaintained landing sites (i.e., dry lake beds). An approximately 6,000-acre area located in the northwest corner of Edwards AFB has been identified as the potential location for the solar facility (herein referred to as the Project site). The Project site is approximately five miles north of Rosamond Dry Lake and 10 miles west of Rogers Dry Lake, located south of Trotter Avenue and east of Lone Butte Road (Figure 2). The final proposed footprint of the solar facility within the Project site has not yet been defined but is expected to be 3,500 acres or less. For the purpose of analysis, all 6,000 potential acres of the Project site will be studied and the Project would be sited to minimize environmental impacts. The Project site was defined based on a number of environmental constraints (e.g., land use and air space restrictions, slope, aspect, and Edwards AFB's historical knowledge of environmental constraints such as biological and cultural resources).

The solar project facility and gen-tie routes would be served by the Kern County Sheriff's Department for law enforcement and public safety. The closest Sheriff station is the Mojave substation, located at 1771 State Highway 58, approximately 4.5 miles north of the solar facility site. The Kern County Fire Department (KCFD) would provide fire protection and emergency medical and rescue services for the solar facility and gen-tie project areas. The closest KCFD fire station is Station #14 at 1953 State Highway 58, located approximately 5.7 miles north of the solar project site in the community of Mojave, CA.

The closest airport to the project site is the Mojave Airport which is 2.75 miles north of the gen-tie routes and approximately 5-miles from the solar facility site.

The project solar facility site and gen-tie lines are not located within an area that is designated by the California Department of Conservation (CDC) as Prime Farmland, Farmland of Statewide Importance or Unique Farmland. No lands within the solar facility boundary are subject to a Williamson Act Land Use Contract.

The proposed 230 kV gen-tie line would run across publicly and privately-owned property in unincorporated Kern County. The current options for the potential route are shown in Figure 2. The main constraint for identifying the alignment of the gen-tie line is securing access easements from public and private entities.

## 1.2 Environmental Setting

### 1.2.1 Solar Facility

The Project site is located on an undeveloped alluvial plain associated with the southeastern slope of the Tehachapi Mountains. The Project site is relatively flat, with elevations ranging from approximately 2,545 feet above mean sea level (amsl) in the northwest sloping gradually to approximately 2,480 feet amsl to the east. Ridges, rocky outcrops, and other substantial topographic features are generally absent within the Project site. Assessor's parcel numbers (APNs) for the land on which the solar facility would be implemented are listed in Table 1.

**TABLE 1: APNS FOR SOLAR FACILITY ON EDWARDS AFB PROPERTY**

| APN | Acres (approx.) | Zoning 1 | General Plan 2 |
|---|---|---|---|
| 244-250-02 | 326 | A-1 | 1.1 |
| 244-250-03 | 654 | A-1 | 1.1 |
| 244-250-04 | 652 | A-1 | 1.1 |
| 430-011-01 | 324 | A-1 | 1.1 |
| 430-011-02 | 651 | A-1 | 1.1 |
| 430-011-03 | 652 | A-1 | 1.1 |
| 430-011-05 | 647 | A-1 | 1.1 |
| 430-011-06 | 323 | A-1 | 1.1 |
| 431-010-03 | 324 | A-1 | 1.1 |
| 244-250-01 | 335 | A-1 | 1.1 |

**Notes:**

1. A-1 (Limited Agriculture)
2. 1.1 (State or Federal Lands)

### Vegetation

The Project site is located in the western Mojave Desert, within the Mojave Desert Ecoregion Section (322a) as mapped by the U.S. Department of Agriculture. Vegetation communities within the site are generally characteristic of Mojave Desert scrub habitats and include creosote bush (*Larrea tridentata*), shadscale (*Atriplex confertifolia*), spinescale (*Atriplex spinifera*), burrobush (*Ambrosia dumosa*), and four-wing saltbush (*Atriplex canescens*). Joshua trees (*Yucca brevifolia*) are common throughout much of the Project site, and a Joshua tree woodland overstory covers some of these desert scrub communities in the southeastern portion of the site. Limited unvegetated areas showing signs of periodic ponding are present in the interior of the site. Historic biological surveys of the Project site have detected rare plant species, including the alkali mariposa lily (*Calochortus striatus*) and Mojave spineflower (*Chorizanthe spinosa*).

The project solar site is not located within the boundaries of an adopted Habitat Conservation Plan (HCP). Although it is included in the boundaries of the Development Focus Area of the Desert Renewable Energy Conservation Plan (DRECP) the DRECP, at this time, only applies to federal public lands managed by the BLM and is not an adopted HCP or NCCP. The proposed project is not located on land administered by the BLM and, therefore, is not subject to the (West Mojave Plan) WMP or the DRECP.

### Hydrology

As described by the California Interagency Watershed Mapping Committee (CalWater), the Project site is located in the southwestern portion of the South Lahontan Hydrologic Region. This Hydrologic Region abuts the eastern slope of the Sierra Nevada, and spring runoff from melting snowpack provides the majority of the region's surface water. The South Lahontan Hydrologic Region encompasses a total of 26,732 square miles (16.9 percent of California), and occupies portions of Mono, Inyo, Kern, San Bernardino, and Los Angeles Counties. Mean annual rainfall in the region is 7.8 inches. In the vicinity of the Project site, topographic relief is low and no major watercourses are present. The local hydrology is characterized by ephemeral stream channels and washes conveying surface runoff from northwest to southeast, generally from the foothills of the Tehachapi Mountains toward the Rosamond and Rogers dry lakes on Edwards AFB.

Hydrologic patterns within the Project site are muted, due to the low relief and arid nature of the region. Several ephemeral drainage areas occur within the site, but they are generally poorly defined with sandy substrate and vegetation similar to surrounding areas. The Project site is within an enclosed hydrologic subbasin, where surface flows are eventually lost to percolation and evaporation. The Project site's ephemeral channels are not hydrologically connected to any navigable body of water.

**TABLE 2: AVERAGE HIGH AND LOW TEMPERATURE AND PRECIPITATION BY MONTH**

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| High | 57 | 60 | 66 | 71 | 80 | 89 | 96 | 96 | 88 | 78 | 65 | 56 |
| Low | 33 | 37 | 41 | 46 | 56 | 64 | 70 | 67 | 61 | 50 | 40 | 33 |
| Precipitation (in) | 1.18 | 1.54 | 0.98 | 0.24 | 0.12 | 0.04 | 0.31 | 0.28 | 0.16 | 0.35 | 0.59 | 0.91 |

Source: U.S Climate data, 2017

The project solar site is located within an area of an undetermined flood zone (Zone D), however, mapped 100-year flood zones (Zone A) adjacent to the project site and a preliminary flood zone map based on best information available have suggested that the project site likely contains 100-year flood zones. Therefore, it is reasonable to assume the project site is within the 100-year flood zone; therefore, flooding is part of the baseline condition for the area. There are no identified state-designated Alquist-Priolo Earthquake Fault Zones on the project solar site. The nearest active fault is the Garlock fault zone, which is located approximately 12 miles northwest of the solar facility site.

### Surrounding Land Uses

The lands abutting the Project site to the south and east are undeveloped and lie within the perimeter of Edwards AFB. To the north, the site borders approximately 30 existing residences along Trotter Avenue. These rural residences occupy lands classified for Limited Agriculture (A-1) and Estate (E) uses by the Kern County Zoning Ordinance. General Plan land use designations for lands north of the Project site are dictated by the West Edwards Road Settlement Specific Plan and the Kern County General Plan. To the west, the Project site borders scattered single-family homes and industrial uses. General Plan land use designations for lands west of the site are dictated by the Actis Interim Rural Community Plan and the Kern County General Plan. The General Plan land use designations and zoning districts abutting the Project site are summarized in Table 3 and shown on Figures 3 through 8.

## TABLE 3: SOLAR FACILITY - SURROUNDING LAND USE DESIGNATIONS

| Direction from Project Site | Summary of General Plan Land Use Designations | Summary of Surrounding Zoning Classifications |
|---|---|---|
| South/East | Map Code 1.1 (State and Federal Land) - Applied to all property under the ownership and control of the various State and federal agencies operating in Kern County (military, U.S. Forest Service, Bureau of Land Management, Department of Energy, etc.). | Lands to the south and east of the site are within Edwards AFB, and are not subject to Kern County zoning. |
| North | Map Code 4.1 (Accepted County Plan Areas [Mojave]) - The Mojave Priority Area Map identifies the lands immediately north of the site as the West Edwards Road Settlement.<br><br>Map Code 8.5 (Resource Management) - Primarily open space lands containing important resource values, such as wildlife habitat, scenic values, or watershed recharge areas. These areas may be characterized by physical constraints, or may constitute an important watershed recharge area or wildlife habitat or may have value as a buffer between resource areas and urban areas. Other lands with this resource attribute are undeveloped, non-urban areas that do not warrant additional planning within the foreseeable future because of current population (or anticipated increase), marginal physical development, or no subdivision activity.<br><br>Map Code 6.2 (General Commercial) - Retail and service facilities of less intensity than regional centers providing a broad range of goods and services which serve the day-to-day needs of nearby residents.<br><br>Map Code 5.6 (Residential - Minimum 2.5 Gross Acres/Unit) - This constitutes a single-family designation with rural service needs in the valley and desert regions, while in the mountain region residential uses of this density will require urban service provision<br><br>Map Code 5.7 (5.0 Gross Acres/Dwelling Unit Maximum) - Designated in the outlying, less densely settled areas, often characterized with physical constraints and not requiring connections to public water and sewer infrastructure.<br><br>Map Code 8.5/2.5 (Resource Management/Flood Hazard) – See above for summary of Map Code 8.5. Map Code 2.5 (Flood Hazard) – Special Flood Hazard Areas (Zone A), as identified on the Flood Insurance Rate Maps (FIRM) of the Federal Emergency Management Agency (FEMA) and supplemented by floodplain delineating maps that have been approved by the Kern County Engineering and Survey Services Department. | Limited Agriculture (A-1) - Designates areas suitable for a combination of estate-type residential development, agricultural uses, and other compatible uses. Final map residential subdivisions are not allowed in the A-1 District.<br><br>Estate (E 10) - Designates areas suitable for larger lot residential living environments. Uses are limited to those typical of and compatible with quiet residential neighborhoods. The minimum lot size shall be ten (10) acres.<br><br>Estate (E 2 1/2) - Designates areas suitable for larger lot residential living environments. Uses are limited to those typical of and compatible with quiet residential neighborhoods. The minimum lot size shall be two and one-half (2 1/2) acres.<br><br>Residential Suburban (RS) - This combining district expands the number and type of permitted domestic agricultural uses within rural residential areas. The uses allowed and regulations established by the RS District are in addition to regulations of the base district with which the RS District is combined.<br><br>Mobile Home (MH) - This combining district provides for the installation of mobile homes with or without foundations in agricultural, resource-related, and residential zoned areas. The uses allowed and regulations established by the MH District are normally in addition to the regulations of the base district with which the MH District is combined.<br><br>General Commercial (C-2) - Designates areas for the widest range of retail commercial activities, including regional shopping centers and heavy commercial uses. The C-2 District may also be combined with the Cluster (CL) Combining District to achieve innovative, creative office or commercial development.<br><br>Precise Development Combining (PD) - Designates areas with unique site characteristics or environmental conditions or areas surrounded by sensitive land uses to ensure that development in such areas is compatible with such constraints. |
| West | Map Code 4.2 (Interim Rural Community Plan (Actis)) - The Actis Interim Rural Community Plan map designates the area immediately west of the site as Map Code 7.2: Service Industrial.<br><br>Map Code 7.2 (Service Industrial) - Commercial or industrial activities which involve outdoor storage or use of heavy equipment. Such uses produce significant air or noise pollution and are visually obtrusive. Uses shall include, but are not limited to, the following: Automobile and truck parking, storage and repair shops, freighting or trucking yards, bottling plants, breweries, welding shops, cleaning plants, and other manufacturing and processing activities.<br><br>Map Code 8.5 (Resource Management) – See above. | Medium Industrial (M-2) - Designates areas for general manufacturing, processing, and assembly activities. Uses may not produce fumes, odor, dust, smoke, gas, or vibrations extending beyond zoning district boundaries.<br><br>Floodplain Primary (FPP) - Protects public health and safety and minimizes property damage by designating areas that are subject to flooding with high velocities or depths and by establishing reasonable restrictions on land use in such areas. Uses in the FPP District are limited to those low intensity uses not involving buildings, structures, and other activities that might adversely affect or be adversely affected by flow of water in the floodway.<br><br>Precise Development (PD) – See above. |

**Figure 3: EXISTING GENERAL PLAN: SOLAR GENERATION FACILITY**

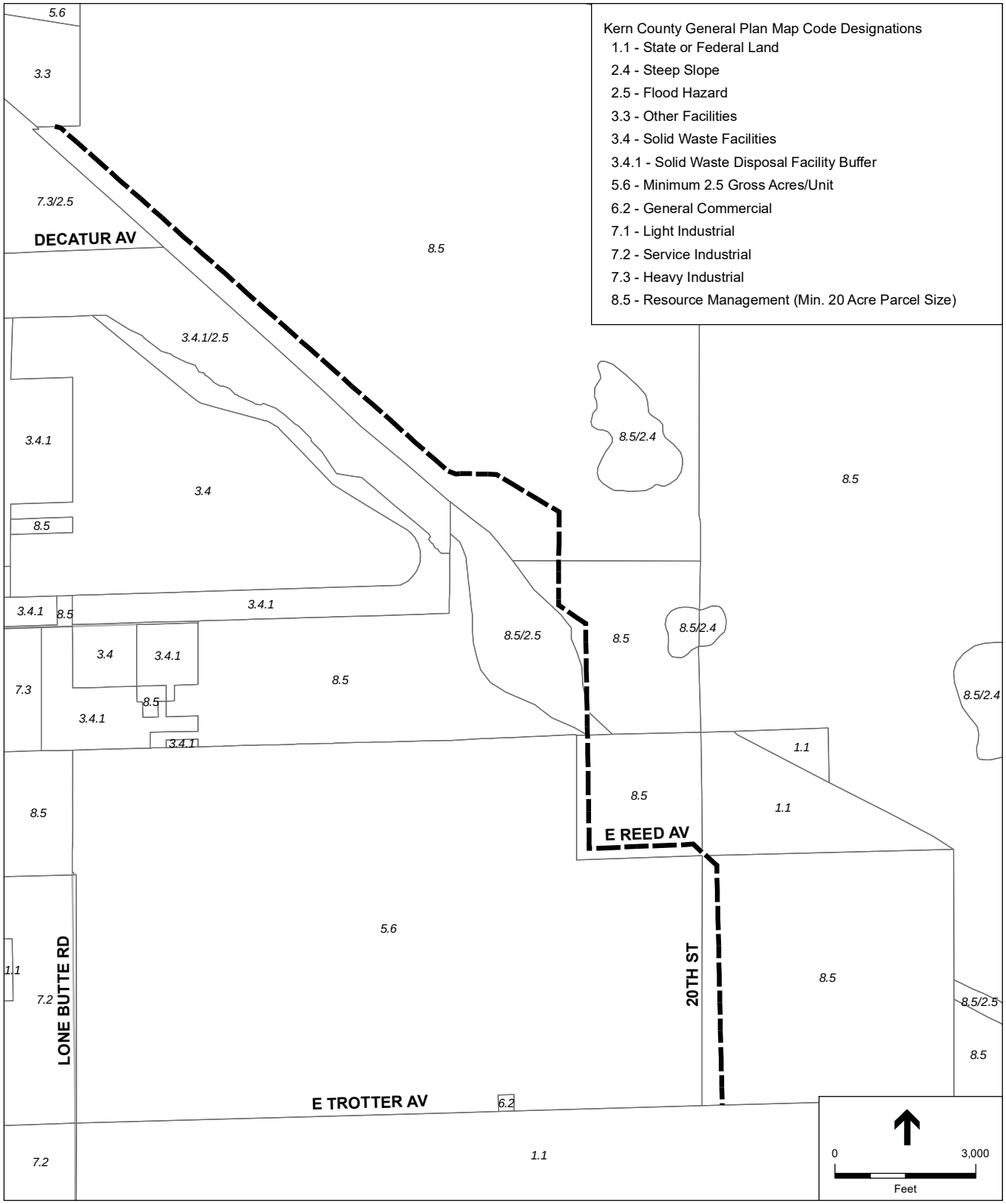



**Figure 4a: EXISTING GENERAL PLAN: NORTH-SOUTH GEN-TIE ROUTE OPTION 1**

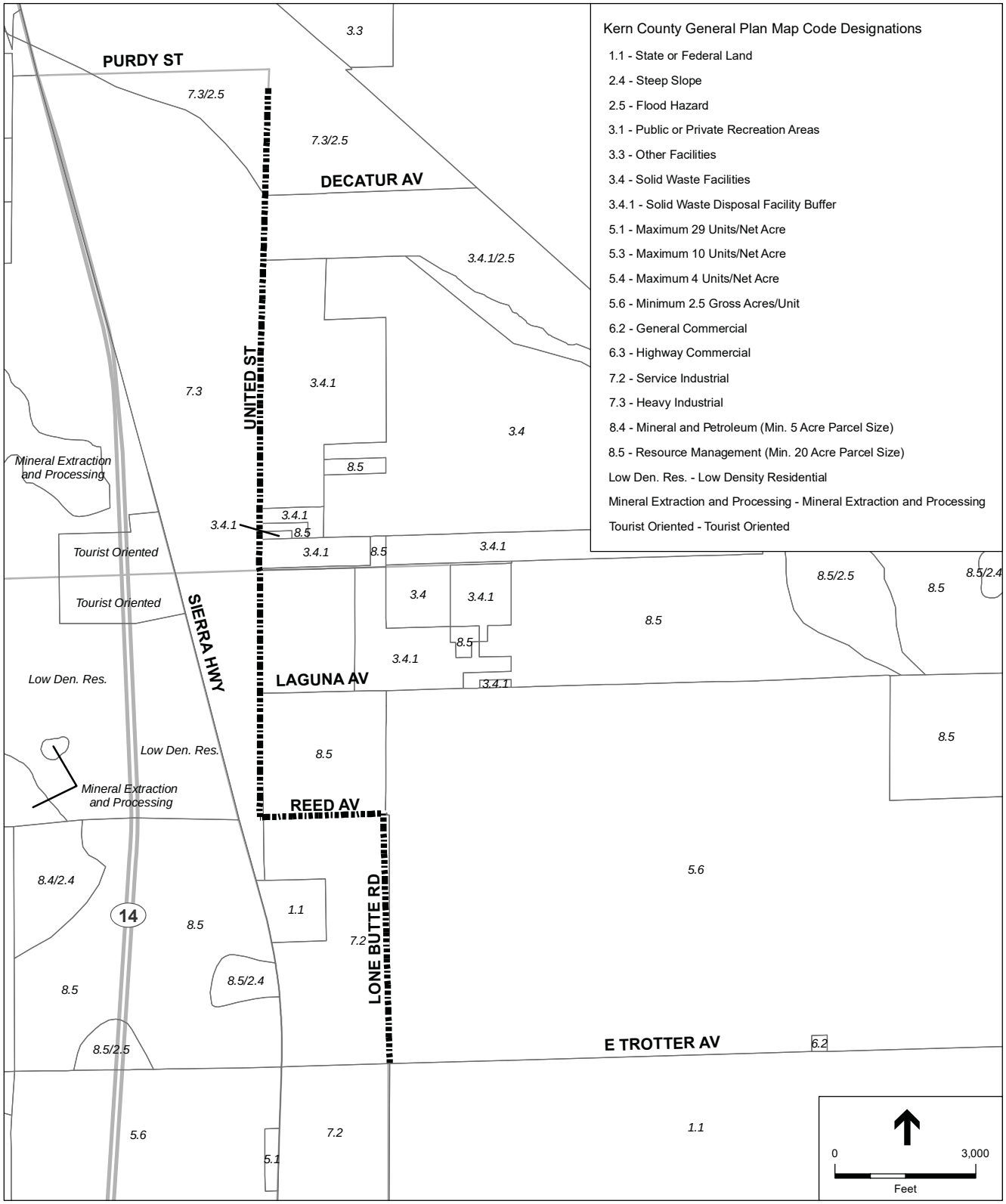



**Figure 4b EXISTING GENERAL PLAN: NORTH-SOUTH GEN-TIE ROUTE OPTION 2**

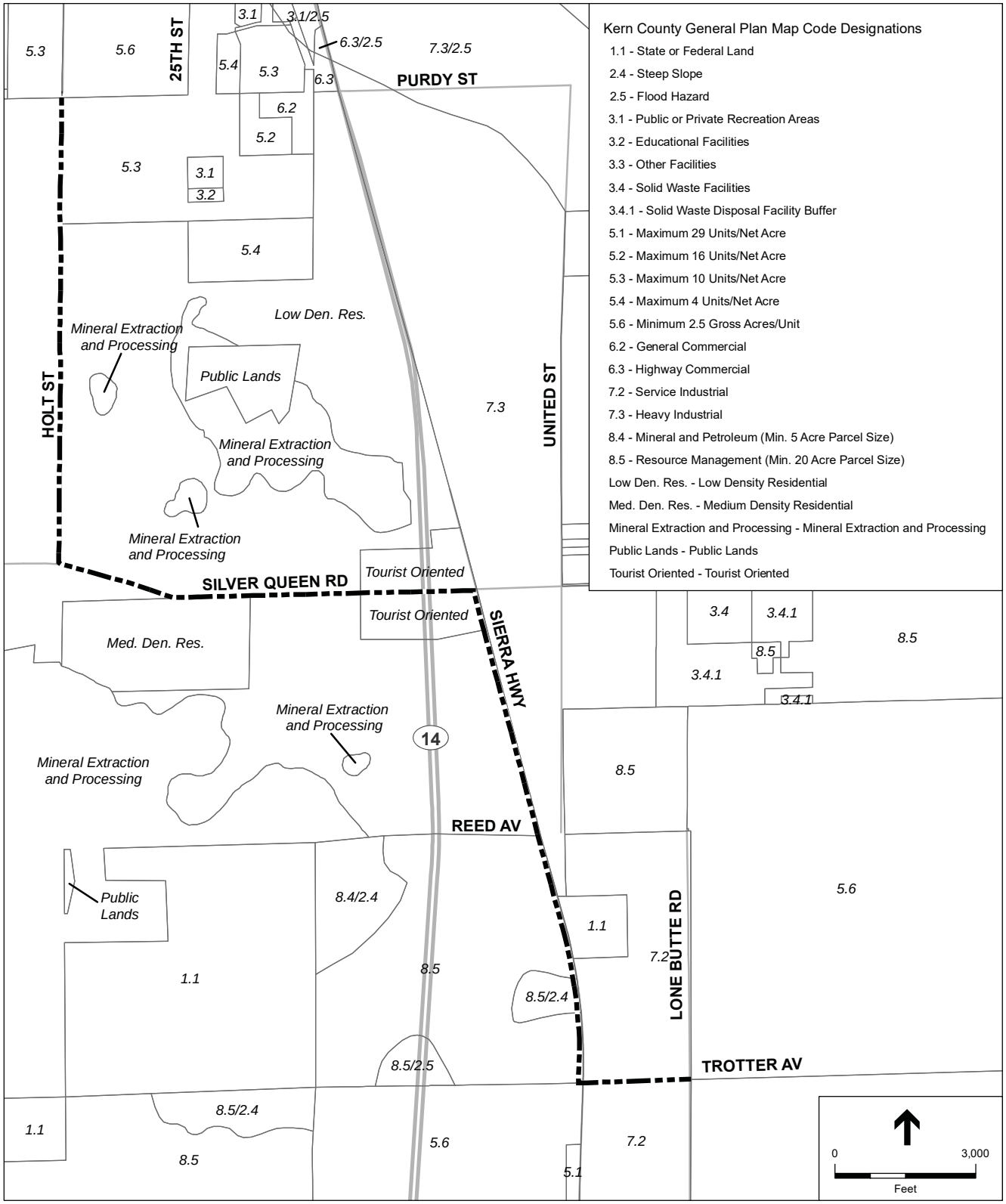



**Figure 4c EXISTING GENERAL PLAN: NORTH-SOUTH GEN-TIE ROUTE OPTION 3**

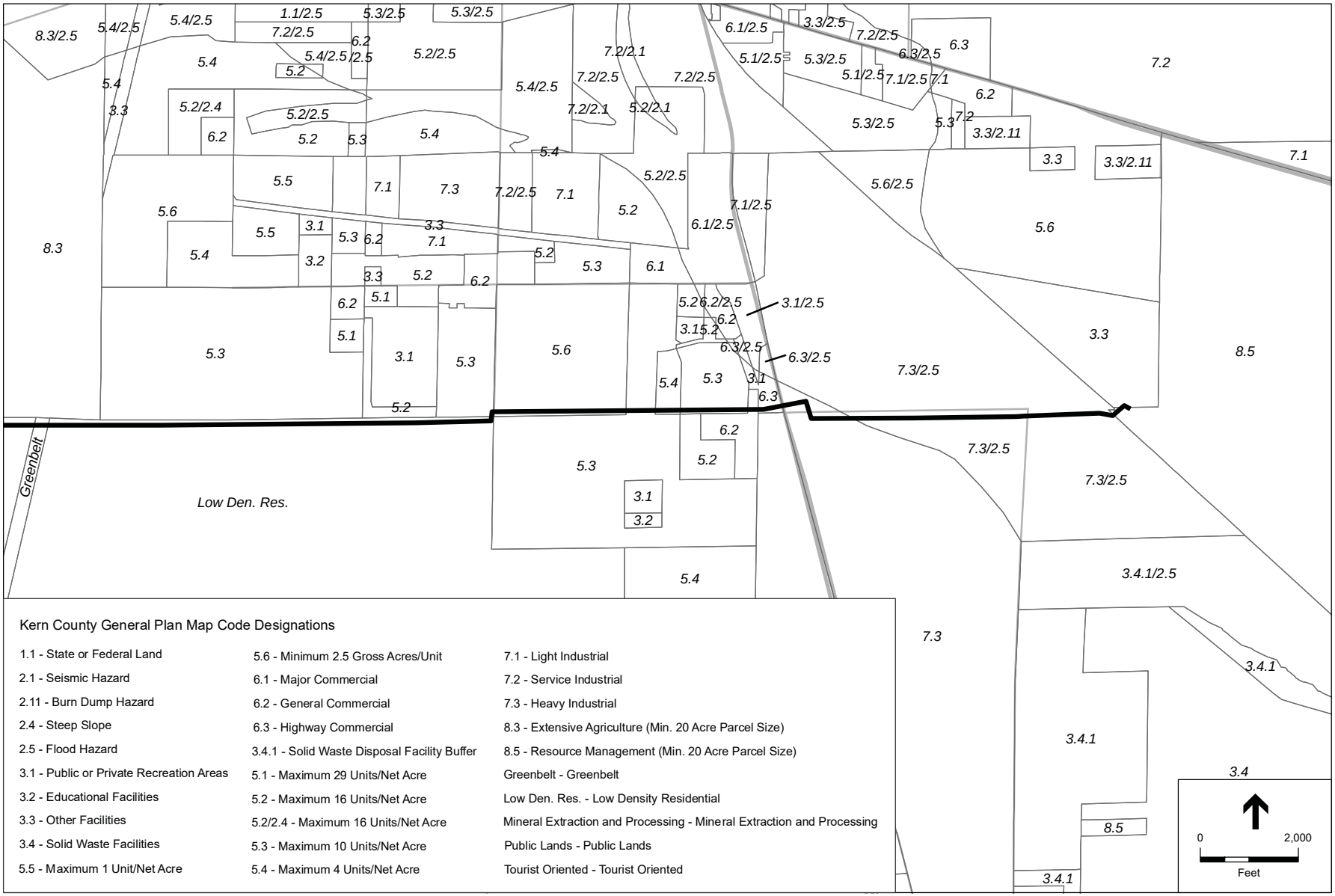



**Figure 5a: EXISTING GENERAL PLAN: EAST WEST GEN-TIE ROUTE OPTION**

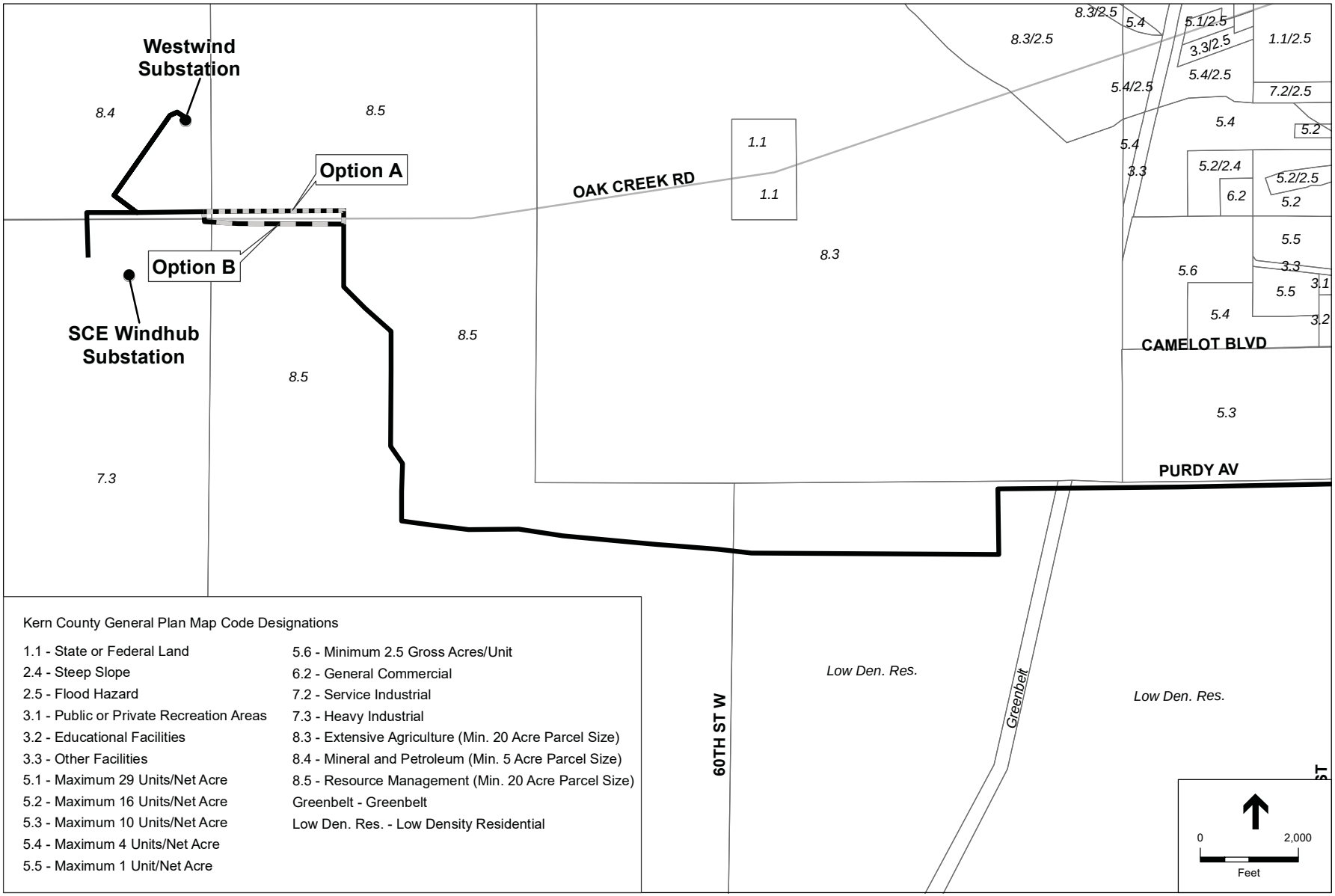



**Figure 5b: EXISTING GENERAL PLAN: EAST WEST GEN-TIE ROUTE OPTIONS A & B**

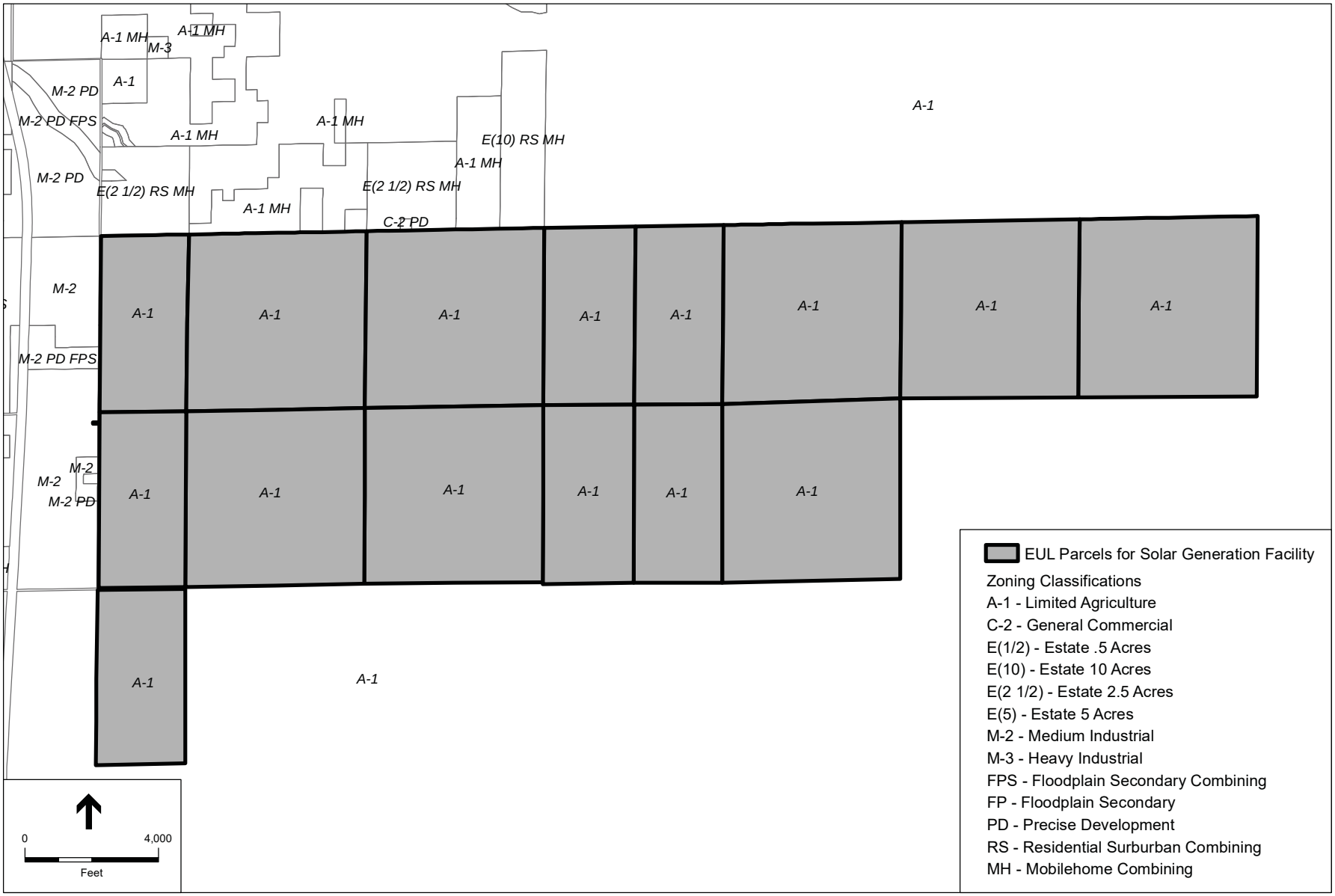



**Figure 6: EXISTING ZONING: SOLAR GENERATION FACILITY**

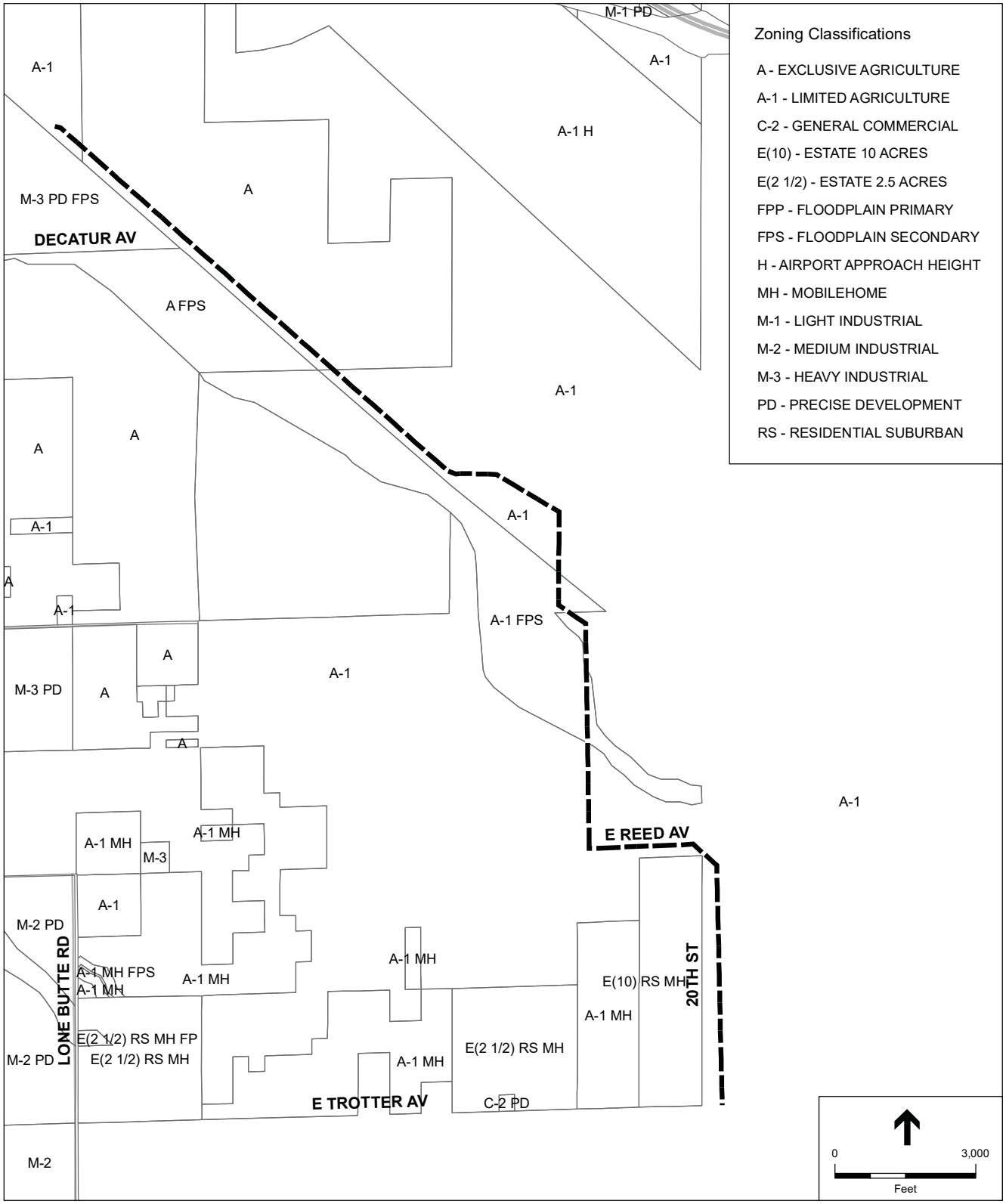



**Figure 7a: EXISTING ZONING: NORTH-SOUTH GEN-TIE ROUTE OPTION 1**

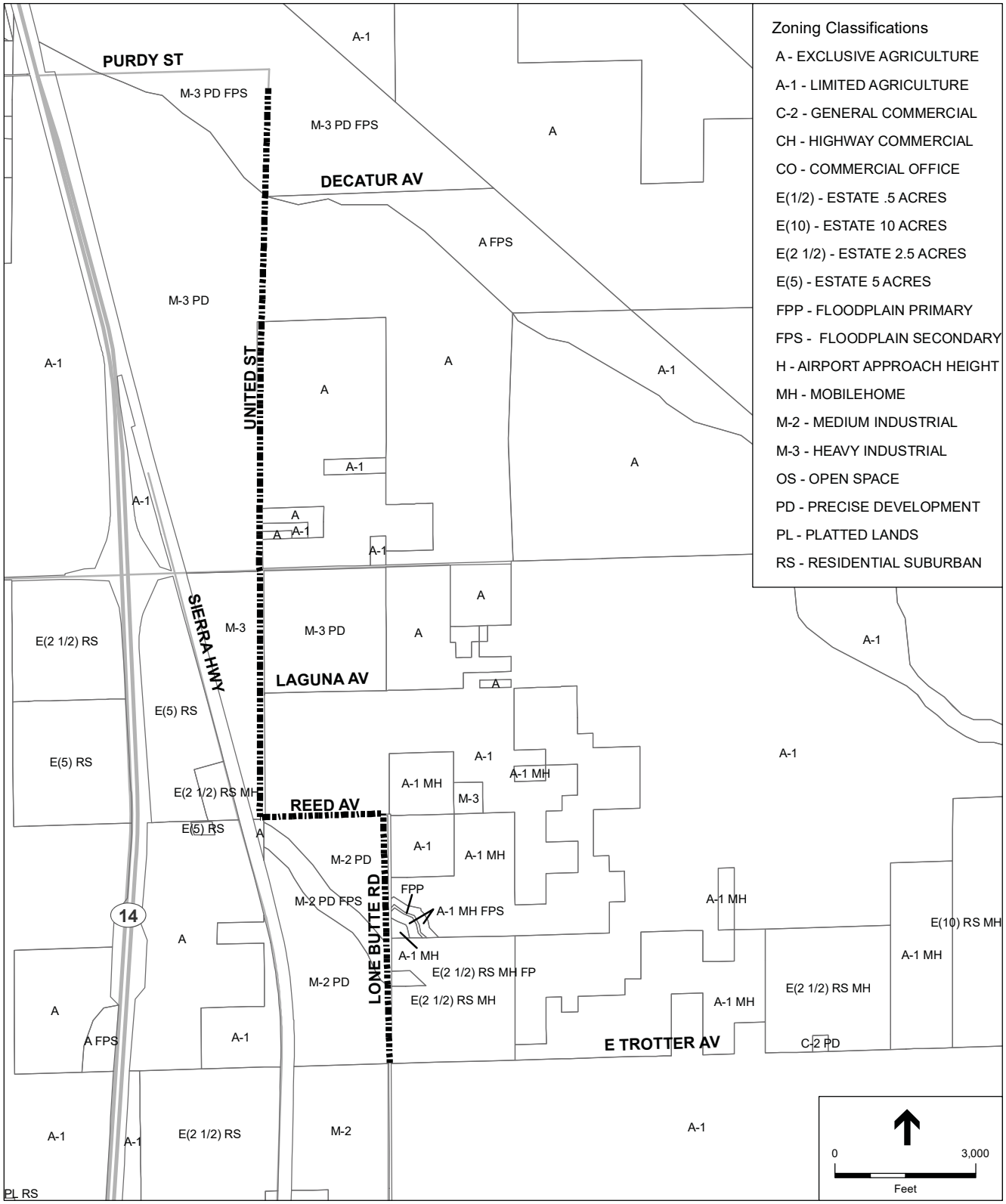



**Figure 7b EXISTING ZONING: NORTH-SOUTH GEN-TIE ROUTE OPTION 2**

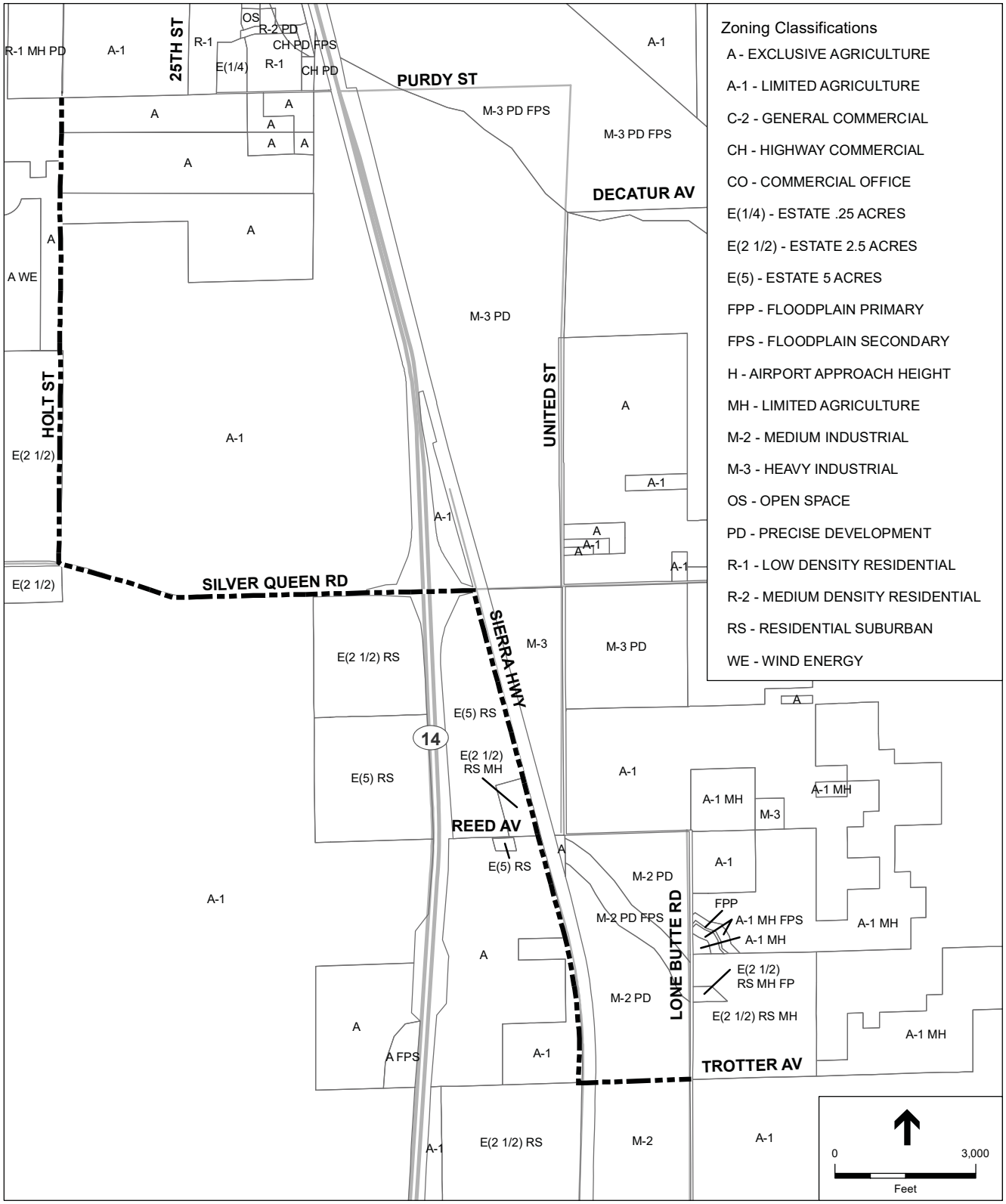



**Figure 7c EXISTING ZONING: NORTH-SOUTH GEN-TIE ROUTE OPTION 3**

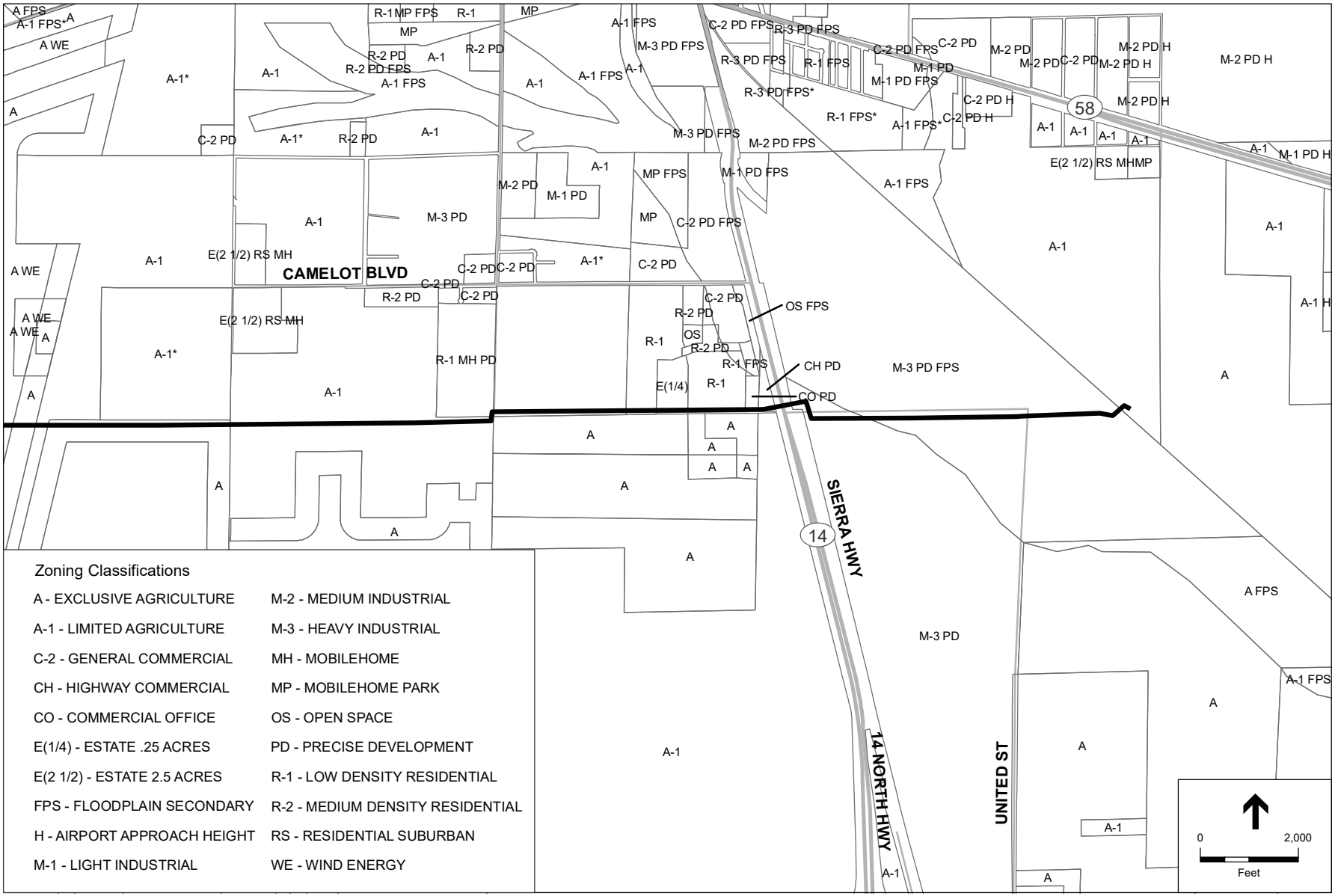



**Figure 8a: EXISTING ZONING: EAST-WEST GEN-TIE ROUTE OPTION**

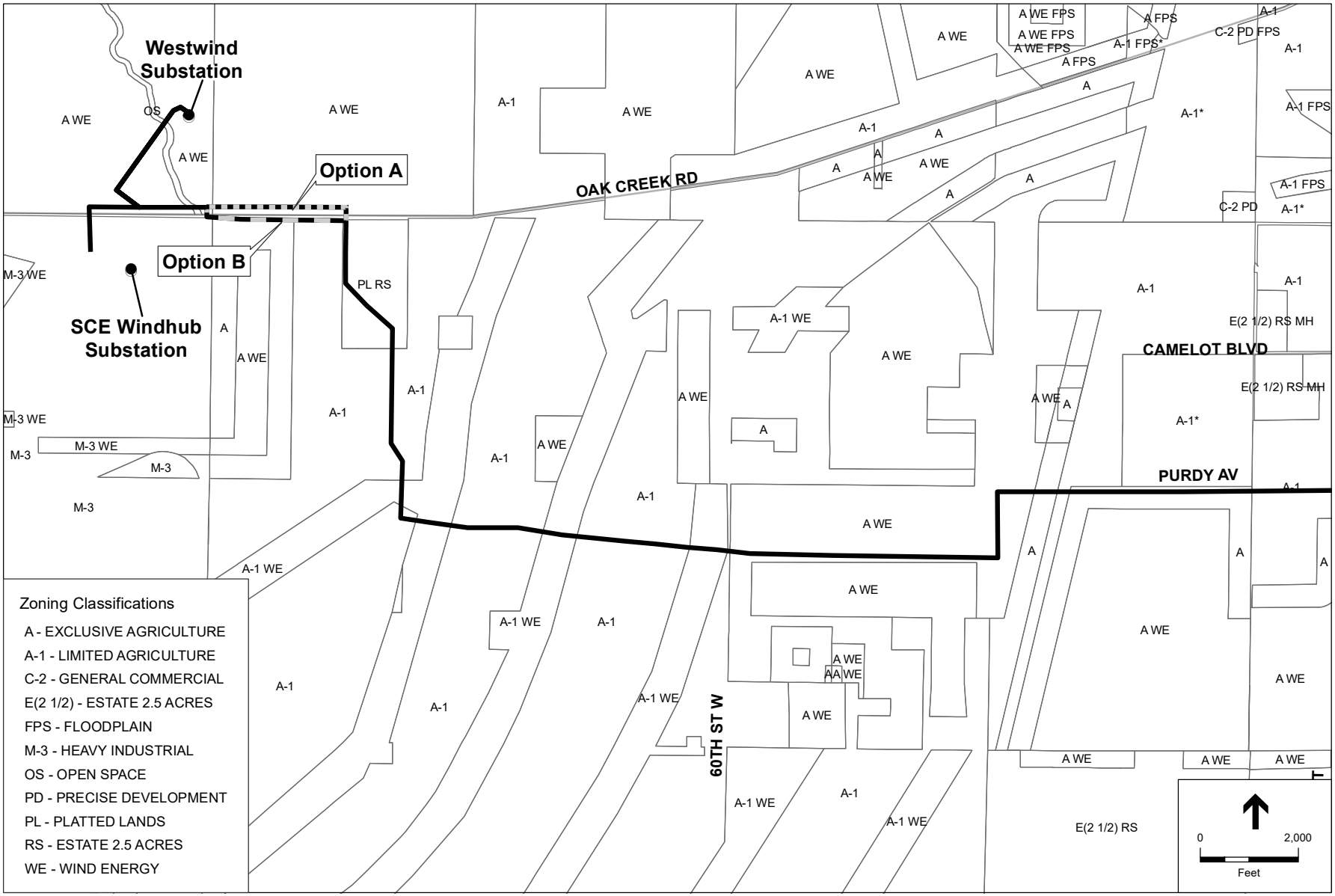



**Figure 8b: EXISTING ZONING: EAST-WEST GEN-TIE ROUTE OPTIONS A & B**

## 1.2.2 Gen-Tie Line

A 230 kV gen-tie would connect the solar facility site with the existing and privately owned electrical substation, the Westwind Substation, in the first phase of the Project, and to the SCE Windhub Substation in subsequent phases of the Project. The proposed gen-tie may be a shared facility with other solar projects in the future. In general, the gen-tie route can be broken down in to two categories based on the direction of the corridor—a north–south connection and an east-west connection. There are three options for the north–south gen-tie connection and the proposed Project would include only one of these three route options. There are two options for the east–west gen-tie connection and the proposed Project would include only one of these two east–west route options (Figure 2). The three options for the north–south gen-tie routes are described first and the two options for the east–west gen-tie routes are described second. For purposes of this analysis, all alignment options are assessed for their potential environmental effects.

There are no identified state-designated Alquist-Priolo Earthquake Fault Zones within the proposed gen-tie routes. The nearest active fault is the Garlock fault zone, which is located approximately 3 miles northwest of the east/west proposed gen-tie route. Portions of the proposed gen-tie routes are located in Agricultural Preserve 24 (North/South-United Street) and Agricultural Preserve 23 (East/West-Purdy Avenue), however, removal from the Agricultural Preserves is not required. The gen-tie route parcels are not subject to any Williamson Act contracts.

The proposed gen-tie routes are located within the Mojave Airport land use codes (E1-North/South-United Street), (E-1 and D-East/West Purdy Avenue). Projects within the Mojave Airport Land Use Codes may require special conditions of approval to minimize flight hazards.

**North-South Gen-Tie Routes**

From the solar generation site to the approximate intersection of Purdy Avenue and United Street, there are two gen-tie route options and from the solar generation site to the intersection of Holt Street and Purdy Avenue, there is a third gen-tie route option. Figure 2 shows the approximate location of the three north–south gen-tie route options. These north–south route options include the following:

- North–South Gen-Tie Route Option 1: an approximately 5.6-mile-long gen-tie route on the east that generally runs from the AFB solar generation site north adjacent to 20th Street, west adjacent to East Reed Avenue, north adjacent to 15th Street, then generally follows the north side of the Burlington Northern Santa Fe (BNSF) Railway and finally runs west to the intersection of Purdy Avenue and the BNSF

- North–South Gen-tie Route Option 2: an approximately 4.5-mile-long gen-tie route that generally runs from the northwestern edge of the AFB solar generation site north on Lone Butte Road, west on West Reed Avenue, and north on United Street where it intersects with Purdy Avenue

- North–South Gen-tie Route Option 3: an approximately 6-mile-long gen-tie route that generally runs from the northwestern edge of the AFB solar generation site directly west to Sierra Highway and runs along Sierra Highway to the intersection with Silver Queen Road; the gen-tie route runs directly west along Silver Queen Road for 1.8 miles and heads north of Gold Town Road, which turns into Holt Street, where the route intersects with Purdy Avenue. A portion of this route crosses land that is administered by the Bureau of Land Management (BLM).

Assessor's parcel numbers for the gen-tie line route options are listed in Table 4 and Table 5.

**TABLE 4 APNS NORTH-SOUTH GEN-TIE ROUTE OPTIONS**

| Route Option 1 | Route Option 2 | Route Option 3 | | | |
|---|---|---|---|---|---|
| 428-030-02 | 428-030-14 | 427-120-40 | 237-114-05 | 427-030-02 | 429-170-33 |
| 244-233-01 | 428-030-21 | 427-151-04 | 237-331-26 | 427-030-38 | 429-170-34 |
| 428-030-28 | 428-030-22 | 427-151-08 | 246-010-01 | 427-130-02 | 429-181-01 |
| 428-030-31 | 428-030-23 | 427-151-12 | 246-010-09 | 427-130-11 | 429-181-09 |
| 428-030-32 | 428-030-24 | 427-152-01 | 246-010-16 | 427-140-01 | 429-181-10 |
| 428-174-16 | 428-030-29 | 427-152-02 | 246-102-03 | 427-140-03 | 429-181-15 |
| 428-174-30 | 428-181-01 | 427-152-04 | 246-102-08 | 427-140-04 | 429-181-23 |
| 428-174-31 | 428-181-19 | 427-152-06 | 246-102-11 | 427-282-04 | 429-181-27 |
| 428-174-32 | 428-181-20 | 427-152-18 | 246-102-24 | 427-282-05 | 429-181-28 |
| 428-200-02 | 428-181-21 | 429-110-06 | 246-141-02 | 427-282-12 | 429-170-04 |
| 428-201-02 | 428-181-23 | 429-110-07 | 246-141-04 | 427-282-13 | 429-170-05 |
| 428-201-15 | 428-181-24 | 429-110-08 | 246-141-16 | 427-292-04 | 429-170-09 |
| 428-201-16 | 429-010-02 | 429-110-09 | 246-141-19 | 427-292-05 | 429-170-11 |
| 429-030-02 | 429-010-04 | 430-030-16 | 246-141-20 | 427-292-12 | 429-170-12 |
| 429-042-05 | 429-010-06 | 430-030-17 | 246-142-02 | 427-292-13 | 429-170-13 |
| 429-152-19 | 429-101-30 | 427-151-01 | 246-142-04 | 427-302-04 | 429-170-15 |
| 428-174-33 | 429-101-31 | 246-143-07 | 246-142-05 | 427-302-05 | 429-170-16 |
| 428-174-18 | 429-101-32 | 427-151-28 | 246-142-06 | 427-302-12 | 429-170-17 |
| 428-174-29 | 429-101-33 | 427-151-38 | 246-142-10 | 427-302-13 | 429-122-36 |
| 428-174-17 | 429-102-14 | 429-110-01 | 246-142-11 | 427-311-12 | 429-122-37 |
| 244-250-01 | 429-110-03 | 429-110-20 | 246-142-15 | 427-311-13 | 429-122-41 |
| 428-030-12 | 429-110-04 | 429-122-15 | 246-142-17 | 428-030-09 | 429-170-01 |
| | 429-110-11 | 429-122-17 | 246-142-19 | 429-010-03 | 429-170-02 |
| | 429-110-12 | 429-122-21 | 246-142-20 | 429-020-09 | 429-170-32 |
| | 429-110-13 | 429-122-22 | 246-143-02 | 429-020-11 | |
| | 429-122-33 | 429-122-23 | 246-143-04 | 429-020-14 | |
| | | 429-122-27 | 246-143-10 | 429-020-16 | |
| | | 429-122-32 | | | |

## East-West Gen-Tie Routes

Figure 2 shows the approximate location of the east–west gen-tie route which and includes two route options, Options A and B, along Oak Creek Road; the proposed Project would include only one of these options for the east-west gen-tie route. More specifically, from the intersection of the North–South Gen-Tie Option 1 and Purdy Avenue, the east–west gen-tie is approximately 9.8 miles in length and would run west along Purdy Avenue for approximately 5.5 miles and then would run south of Purdy Avenue, but north of Decatur Avenue for approximately 2.9 miles and then turn north back to Purdy Avenue. From Purdy Avenue, the east–west gen-tine line would run north and northwest for approximately 1.3 miles to Oak Creek Road. Along Oak Creek Road for 0.6 mile there are two options for the east–west gen-tie route—Option A would run north of Oak Creek Road and Option B would run south of Oak Creek Road. From these two options, the east–west gen-tie route would run 0.4 mile before jogging northwest for 0.4 mile and connecting to the Westwind Substation and/or Windhub Substation.

**TABLE 5 APNS FOR EAST/WEST GEN-TIE ROUTE OPTIONS**

| Option A | | | Option B | |
|---|---|---|---|---|
| 237-031-38 | 237-113-15 | 237-332-11 | 427-100-22 | 427-151-26 |
| 237-032-38 | 237-113-16 | 237-332-17 | 427-100-24 | 427-151-39 |
| 237-032-39 | 237-114-03 | 237-332-18 | 427-151-02 | 237-031-04 |
| 237-043-01 | 237-114-04 | 237-461-19 | 427-151-19 | 427-151-01 |
| 237-043-02 | 237-114-06 | 427-020-27 | 427-151-20 | 427-120-40 |
| 237-043-03 | 237-114-07 | 427-020-28 | 427-160-01 | 427-120-23 |
| 237-043-06 | 237-114-09 | 427-020-36 | 427-160-03 | 427-120-24 |
| 237-043-12 | 237-114-10 | 427-020-43 | 427-160-04 | 427-120-25 |
| 237-043-13 | 237-114-16 | 427-030-28 | 427-160-19 | 472-160-02 |
| 237-043-14 | 237-192-04 | 427-030-29 | 427-160-20 | 428-030-02 |
| 237-055-10 | 237-331-02 | 427-030-34 | 427-160-21 | 428-030-12 |
| 237-113-13 | 237-331-03 | 427-030-35 | 427-160-22 | 237-043-05 |
| 237-113-14 | 237-331-25 | 427-030-37 | 427-410-01 | 427-100-09 |
| | | | 427-410-02 | 427-100-11 |
| | | | 428-030-20 | 237-114-15 |
| | | | 427-151-22 | |

**TABLE 6 PROPOSED GEN-TIE ROUTE OPTIONS SUMMARY**

| Direction from Solar Facility to Substation | Option | Description |
|---|---|---|
| North-South | 1 | 5.6-mile-long gen-tie route; runs from the AFB solar generation site north to the intersection of Purdy Avenue and the BNSF. |
| | 2 | 4.5-mile-long gen-tie route; runs from the northwestern edge of the AFB solar generation site to the intersection of United Street and Purdy Avenue. |
| | 3 | 6-mile-long gen-tie route; runs from the northwestern edge of the AFB solar generation site to the intersection of Holt Street and Purdy Avenue. |
| East-West | 1-A | 9.8-mile-long gen-tie route; runs from the intersection of Purdy Avenue and the BNSF west to the Westwind Substation and the Windhub Substation. Along Oak Creek Road for 0.6 mile there are two options for the east–west gen-tie route—Option A would run north of Oak Creek Road. |
| | 1-B | 9.8-mile-long gen-tie route; runs from the intersection of Purdy Avenue and the BNSF west to the Westwind Substation and the Windhub Substation. Along Oak Creek Road for 0.6 mile there are two options for the east–west gen-tie route—Option B would run south of Oak Creek Road |

### Vegetation

The majority of route options are near public roadways and traverse developed lands in some areas. Vegetation is absent where the route options traverse graded road shoulders or manmade surfaces, or consists of weedy species that have colonized developed areas. Creosote bush scrub is the most abundant community along the route options. Joshua trees are relatively common but irregularly distributed, and are generally more abundant along the northernmost Route Option segments. In very limited areas where the route options are adjacent to residential development, ornamental or landscaped vegetation may be present.

#### Hydrology

The route options are within the same hydrologic basin as the Project site with similar hydrologic characteristics. However, along the route options closer to the Windhub and Westwind Substations, and particularly those along Oak Creek Road, the topography becomes steeper and drainage channels become more defined. A series of channels in this area convey runoff from the southern shoulder of Oak Creek Road.

The portions of the north/south and east/west gen-tie lines are located within an area of flood zoning (Zone AO), which is subject to inundation by 1-percent-annual-chance shallow flood event, including parcels along United Street, and Purdy Avenue.

#### Surrounding Land Uses

The route options traverse largely undeveloped lands that have been assigned a broad variety of land use designations and zoning classifications by Kern County. The majority of the route options are adjacent to lands designated for agricultural purposes, and the "limited agriculture" zoning designation abuts most of the proposed route option segments. A significant portion of the route options are adjacent to lands designated as "wind energy combining zones." In addition, a significant portion of the gen-tie North/South routes are located near lands designated for medium and heavy industrial use. Portions of the route options are in proximity to the unincorporated community of Mojave. The Kern County General Plan, Mojave Specific Plan, Soledad Mountain-Elephant Butte Specific Plan, West Edwards Road Settlement Specific Plan, and Actis Interim Rural Community Plan identify land use designations within the proposed route locations. Generally, lands located north of Purdy Avenue and east of 40th Street West are designated for a variety of estate residential, commercial, and industrial land uses. The site of the Windhub Substation is designated for Heavy Industrial use in both the Kern County General Plan and Zoning Ordinance.

## 1.3 Project Description

### 1.3.1 Structures and Facilities

The proposed solar facility would consist of solar arrays arranged in a grid pattern to convert solar energy directly to electrical power to supply the electrical grid. The solar facility would consist of the following components, as described in more detail below:

- PV arrays
- On-site substations/switchyards
- Upgrades required to off-site substations to interconnect the Project to the electrical grid
- Permanent services and warehouse buildings
- Multiple laydown areas located throughout the solar facility site
- Installation of an energy storage facility and appurtenances that would provide energy storage capacity for the electric grid;
- Associated roads, fencing, and drainage facilities

#### Solar PV Arrays

An array consists of an aggregation of PV panels that capture sunlight converting it directly to generate an electric current (DC). If a full 600 MW of energy were to be produced, an estimated two million panels would be installed to implement the Proposed Action.

The panels would be mounted on vibratory pile-driven piers or concrete foundation footings, if piles cannot be driven. The panels would be installed using either a single axis tracking system, whereby the panels are controlled to move with the sun, or on a fixed tilt system, whereby the panels are fixed at a particular angle. For either configuration, most of the pile foundations would be driven to depths of 18 feet. When piles cannot be driven to the required depth, an alternate spread footing detail would be required; these footings are approximately six feet wide by six feet long and two feet deep. The PV panels, at their highest point, would not exceed 12 feet above the ground surface and, at their lowest point, would be approximately 30 inches above the ground surface.

## Energy Storage Facilities

Adjacent to the on-site substation an energy storage system is proposed to provide a maximum capacity of 150 MW. The energy storage batteries would be housed in a structure, container boxes, or trailers, and would be located on approximately 20 acres of the EUL. The height of the structure, box, or trailer would be approximately 30 feet. The batteries would be housed in racking (similar to computer racking) 10 to 12 feet high, to allow efficient airflow between the batteries. The associated inverters, transformers, and switchgear would be located immediately adjacent to the energy storage facilities on concrete pads outdoors. The energy storage technology has not been determined at this time, but could include any commercially available battery technology, including but not limited to lithium iron, lead acid, sodium sulfur, and sodium or nickel hydride.

## Power Conversion and Fiber Optic Lines

The DC power generated by the PV panels would be delivered either above grade or along an underground trench system located between each row of PV panels. The trenches would be approximately three feet deep and up to five feet wide (including the trench and disturbed area). The DC power for each array would be routed to a 12-foot-wide, 30-foot-long, and 12-foot-tall metal clad electrical enclosure mounted on concrete foundation pads where an inverter and transformer would be located. The inverters within the electrical enclosures would convert the DC power to alternating current (AC). The medium voltage transformers would increase the voltage to 34.5 kV, which is the level required for collection. All electrical equipment would be either outdoor rated or mounted within the electrical enclosures designed specifically for outdoor installation to avoid electrical shock risks to humans and wildlife.

The transformers would be connected in parallel circuits, to deliver AC power along underground trenches to up to three on-site substations. The trenches would be approximately four feet deep and up to five feet wide (including the trench and disturbed area). These trenches would also contain a fiber optic cable.

The final size of each subarray would be determined during final design. For example, a two MW subarray, including the PV panels and associated electrical enclosure, would occupy up to approximately 10 acres for a fixed tilt configuration and up to 15 acres for a tracker configuration.

## On-Base Substations

The solar facility would include on-base substations. Substation generation voltage would step up from 34.5 kV to 230 kV for off-base transmission. Each substation would contain a control building with an attached battery room and standard substation equipment. Each substation would not exceed 1.5 acres in size. Substation equipment would generally be between 15 and 35 feet tall, with the exception of the transmission tower, which would be a maximum of 60 feet in height and a lightning protection mast, which would not exceed 75 feet in height (transmission tower plus 15 feet).

Grounding of the substations would be accomplished by ground grids designed to meet the requirements of the Institute of Electrical and Electronics Engineers (IEEE) *Guide for Safety in AC Substation Grounding*. Final ground grid design would be based on site-specific information such as available fault current and local soil resistivity. Typical ground grids consist of direct buried copper conductors with eight-foot-long copper-clad ground rods arranged in a grid pattern to approximately three feet outside of the substation area. Overhead lines would then run from each substation to the Project switchyard described below using 60-foot steel monopoles. The number of poles that would be required within the solar facility would be determined after the facility layout is finalized.

### Project Switchyard

The Project switchyard is where the power generated from the different project areas, and coming through their corresponding substations, would be combined before being routed via the 230 kV gen-tie line to the Westwind Substation and SCE's Windhub Substation. The switchyard contains standard switching, metering, and voltage protection equipment. The switchyard site would not exceed 2.4 acres in size. The Project switchyard requires dead-end structures to resist the pulls from phase conductors and shielding wires. These structures would not exceed 80 feet in height. The Project switchyard would also require lightning protection masts, which would not exceed 95 feet in height.

### Operation and Maintenance Facilities (Service Buildings and Warehouses)

Warehouse and administrative buildings may be constructed to support full-scale operations within the project site. A smaller-scale project would require less overall space. These buildings would include paved parking lots and septic systems.

### On-site Meteorological Equipment

The solar facility may include several Solar Meteorological Stations (SMS) located within the site. It would include up to two solar energy (irradiance) meters, as well as an air temperature and a wind meter. The equipment would be mounted on tripods (at a maximum of 15 feet in height) that would require no permanent foundation. Power for the SMS would be provided by the plant's essential power system or a dedicated PV panel with a small battery. The SMS would be located inside the solar array field or adjacent to a services building; data would be communicated directly to the PCS. The SMS would be used for electrical generation predictions and for coordination with the California Independent Systems Operator (CAISO) or other scheduling entity.

### Site Access Roads

Access to the solar facility would be from Lone Butte Road and/or Trotter Avenue. In addition, the solar facility would contain an internal, permanent, unpaved roadway system that would include perimeter roads surrounding the facility, as well as a network of roads between subarrays. These roads would provide access for operation and maintenance activities and would consist of existing onsite materials or a blend of existing and imported materials (e.g., gravel) that would be compacted.

### Site Security Fencing

To ensure the safety of the public and to maintain site security, the solar facility would be secured with six-foot-high chain-link fencing topped with three strands of barbed wire for a total height of seven feet.

Access to the solar facility would be controlled and gates would be installed to provide the required access to the site. The site would have closed-circuit television that would be monitored from a remote location.

### Drainage Facilities

The drainage facilities have yet to be designed. Earthworks scrapers, paddlewheels, haul vehicles, and graders may all be used to perform localized grading as needed at areas that require compacted soils (i.e., substation pad site, inverter shelters, roads, etc.). Earthwork is not anticipated within the solar arrays where vibratory piles are placed for solar racking. The project would employ disk-and-roll grading to maintain the general slopes and topography of the site to the greatest extent feasible. Perimeter and access roads may be additionally compacted to 90 percent or greater, as required to support construction and emergency vehicles. The grading would be balanced onsite.

### Gen-tie and Telecommunication Lines

Power would be carried from the solar facility to the Westwind Substation and SCE Windhub Substation via a 230 kV gen-tie line. One to two circuits and fiber optic communications lines would be installed. The selected gen-tie line route would be constructed on one set of steel monopoles for the majority of the route with some H-frame structures as needed. Pole height would likely range between 100 and 180 feet, and would not exceed 200 feet. The gen-tie line would travel overhead for the majority of the route, but may be installed underground in certain sections where necessary due to physical or commercial constraints. Fiber optic communication cables would run parallel with the gen-tie line either above grade or underground along the alignment. Foundation sizes for the gen-tie poles would be approximately 6 to 12 feet in diameter and 20 to 40 feet deep. The gen-tie poles would be set within the poured concrete foundations or via direct-bury methods.

Where the gen-tie route includes one set of poles, the approximate width of the ROW associated with the gen-tie line would be 60 to 100 feet. The width of disturbance includes approximately 50 feet of disturbance are associated with temporary disturbance for access, pulling conductor, and staging materials. The gen-tie line may also share ROWs with existing public and private transmission lines where technically and commercially feasible.

It is estimated that implementation of the Proposed Action would require the installation of approximately 11 poles per mile for the off-base portion of the gen-tie line. All poles would be designed to be avian-safe in accordance with the Avian Power Line Interaction Committee's (APLIC) suggested practices as identified in *Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006* (APLIC 2006).

Upgrades required to interconnect the proposed solar facility to the transmission grid include installation of new transmission equipment, including circuit breakers, switches, bus supports, breaker management relays, insulator/hardware assemblies, telecommunications equipment, and spans of conductors between the last Developer-owned structure and the interconnection point.

### Interconnection Upgrades

Upgrades required to interconnect the solar facility to the transmission grid include installation of new transmission equipment, including circuit breakers, switches, bus supports, breaker management relays, insulator/hardware assemblies, telecommunications equipment, and spans of conductors between the last developer-owned structure and the interconnection point.

## 1.3.2 Construction

Construction of the solar facility is anticipated to last up to two to four years, beginning in late 2018 and lasting through 2022. This assumes a rolling construction as individual phases are built out. However, actual development of the project site is dependent on market conditions upon project approval.

The construction worker population would consist of laborers, electricians, supervisory personnel, support personnel, and construction management personnel. As many as 1,250 temporary construction workers would be employed during Project construction. Construction work would generally occur during daylight hours, Monday through Friday. Non-daylight work hours may be necessary to make up schedule deficiencies, or to complete critical construction activities including activities that cannot be completed during daylight. Any construction work performed outside of the normal work schedule would be coordinated with the appropriate agencies and would conform to the Kern County Noise Ordinance (Chapter 8.36). It is anticipated that the construction workforce would commute to the site each day from local communities. Construction staff not drawn from the local labor pool would stay in any of the local hotels in Rosamond, Lancaster or other local cities.

## Solar Facility

## Site Preparation

Site preparation would begin by clearing existing vegetation, to the extent necessary, and grading the areas proposed for the main permanent access road to the site and the permanent pad site for inverters. Vegetation clearing and removal operations would be undertaken using mowers, skip loaders, chippers, and dump trucks. Areas proposed for the service buildings and warehouses and their associated parking lots, as well as the proposed switchyard location and on-site substation locations, would also be cleared and graded. These areas would be disked and rolled and compacted to 90 percent; due to the flat topography, the amount of grading is anticipated to be minimal. Initial site preparation activities would also include installation of fencing along the solar facility boundary.

Because of the flat topography of the Project site, it is anticipated that minimal grading would be required to prepare the site for PV modules. The PV module piers also allow for installation on uneven ground, reducing the need for grading. To the extent possible, existing topsoil would be left in place. However, it is anticipated that vegetation would need to be removed as a result of trenching and other construction activities.

### Temporary Staging and Laydown Areas, Temporary Buildings

Equipment and material staging areas would be established during the site preparation phase. Multiple temporary staging and laydown areas would be located throughout the solar facility site to support final assembly and installation. The staging areas would be approximately one acre each and the laydown areas would be approximately two acres each. Temporary assembly buildings and construction trailers, would be installed on-site to assemble the PV sub arrays and for other construction activities, and would likely be located near to the warehouse and services buildings.

Temporary holding locations for construction debris and waste would be established outside of any jurisdictional drainage and near the substation and laydown areas. A local, licensed disposal company would be contracted to haul and properly dispose of the refuse. Recyclable items would be staged and disposed of separately, and hazardous materials would be handled in accordance with all laws and regulations.

### Solar Array Assembly

Erection of the solar arrays would include support structures and associated electrical equipment. First, steel piles would be driven into the soil using pneumatic techniques, similar to a hydraulic rock hammer attachment on the boom of a rubber-tired backhoe excavator. If hallow bedrock, or other obstructions are encountered, the pile locations would be predrilled and then grouted in place with concrete. The piles are

typically spaced approximately 10-20 feet apart. Once the piles have been installed, the horizontal array support structures would be installed. The final design of the horizontal array support structures may vary, depending on the final election of the PV technology, as well as whether a fixed tilt or tracking system is selected. Once the support structures are installed, workers would begin to install the solar modules. Solar array assembly and installation would require trenching machines and excavators, compactors, concrete trucks and pumpers, vibrators, forklifts, boom trucks, graders, pile drivers, drilling machines, and cranes. Concrete may be required for portions of the footings, and pads for the medium voltage transformers, inverters, O&M buildings, battery storage and communications building. Concrete may also be required for pile foundation support depending on the proposed mounting system chosen for installation and whether or not obstructions are encountered when trying to drive piles. Final concrete specifications would be determined during detailed design engineering. Concrete may be produced on the project site and would be poured throughout the sites by truck, or purchased from an offsite supplier and trucked into the project.

During this work, there would be multiple crews working on the site with vehicles, including special vehicles for transporting the modules and other equipment. As the solar arrays are installed, the solar switchyard would be constructed and the electrical collection and communication systems would be installed.

## Electrical Interconnection to Transmission Owner Infrastructure

Within the solar fields, the electrical and communication wiring would be installed in underground trenches, although some of the mid-voltage collection runs and communications may be on overhead lines. The electrical and communication wiring would connect to the appropriate electrical and communication terminations and the circuits would be checked and electrical service would be verified. Additionally, if a tracker system is utilized, the motors would be checked and control logic verified. Once all of the individual systems have been tested, the overall project would be ready for testing under fully integrated conditions.

### Construction Water Use and Supply

It is anticipated that up to 1,000 acre-feet (325,850,000 gallons) per year of water would be required during the construction period to support construction activities. To the extent available, tertiary treated water for non-potable uses would be obtained from the Rosamond Community Services District or would be trucked to the site.

### Temporary Power

Temporary power for solar facility construction would be provided by mobile diesel-driven generator sets and/or by temporary electrical service from the local power provider. The diesel generators would be registered with the California Air Resources Board (CARB) Portable Equipment Registration Program (PERP).

## Gen-tie and Related Telecommunication Lines

### Site Preparation

Site preparation would include clearing existing vegetation at the proposed pole locations, including their ground lines; trenching locations; access roads; areas for guard structures; and stringing areas. Vegetation in all of these areas, except for the access roads, would be reseeded with a seed stock comprising local, native species. Vegetation in the temporary staging and laydown areas would be trampled but not cleared; these areas would be reseeded as well. Selective vegetation clearing may also be necessary to provide for line clearance.

Foundations for the gen-tie poles would be installed prior to erection of the poles. Pole installation would then occur sequentially along the route to the extent practical. Buried and overhead fiber optic telecommunication lines may follow the transmission line route to provide for communication between the project substation and the interconnection to the grid.

For certain sections of the gen-tie route, the gen-tie line may be installed underground with the fiber optic cables. Installation of underground facilities would require the use of such equipment as trenchers, backhoes, excavators, haul vehicles, compaction equipment, directional drills, and water trucks. Structures for the gen-tie line and conductor support hardware would be assembled at a temporary staging area at each pole location to minimize damage during transport. In addition, areas of disturbance would be required in certain locations along the gen-tie route to string the lines. During construction of the gen-tie line across existing roads or structures, temporary guard structures may be installed on either side of the crossing to maintain vertical clearance during construction. Guard structures are installed at locations such as road crossings, flood control facilities, and utility crossings. Guard structures would protect underlying areas during wire stringing operations. The guard structures intercepting the wire should it drop below a conventional stringing height, preventing damage or interference to underlying structures. These guard structures would be temporary and be removed after conductor installation is complete.

Because it is anticipated that the gen-tie line would primarily follow existing roads, main access to the gen-tie route would be via these roads. However, new temporary and permanent unpaved access roads may need to be installed to access the laydown areas for each pole and areas where the gen-tie line is installed underground. They would also be used to access the poles for future maintenance activities. The maintenance roads would be maintained at a width of 22 feet and be up to 30 feet wide during construction.

#### Temporary Staging and Laydown Areas

Structures for the gen-tie line and conductor support hardware would be assembled at each pole location to minimize damage during transport. Construction of the gen-tie line would require an approximate area of 50 feet by 50 feet at each pole location, for use as temporary laydown or staging areas for equipment, poles, and hardware. In addition, approximately two laydown/assembly areas at anticipated that will require five acres of disturbance.

#### Stringing Areas

In addition to the temporary staging and laydown areas described above, additional areas of disturbance would be required in certain locations along the gen-tie line route in order to string the lines. Specifically, approximately 41 acres of temporary disturbance would be disturbed along the route, where there are large angles in the alignment, at all dead-end structures, and at other strategic locations, in order to accommodate equipment required for wire pulling and tensioning in these areas.

#### Guard Structures

During construction of the gen-tie line across existing roads, temporary guard structures would need to be installed on either side of the crossing to maintain vertical clearance during construction. Guard structures are installed at locations such as road crossings, flood control facilities, and utility crossings. Guard structures would protect underlying areas during wire stringing operations. They intercept wire should it drop below a conventional stringing height, preventing damage or interference to underlying structures. These guard structures are temporary and are removed after conductor installation is complete. Each guard structure would disturb an approximate 100-foot by 100-foot area (10,000 square feet).

#### Roads

Because it is anticipated that the gen-tie line would primarily follow existing roads, main access to the gen-tie route would be via these roads. However, new unpaved access roads would need to be installed to access the laydown areas for each pole, and where the gen-tie line is installed underground. These access roads would be maintained at 22 feet wide and could be up to 30 feet wide during construction. They would also be used to access the poles for future maintenance activities.

### Construction Design Features and Best Management Practices

#### Dust Control, Erosion Control, and Water Quality Protection Measures

Construction would commence after a Stormwater Pollution Prevention Plan (SWPPP) incorporating BMPs for runoff and erosion control has been prepared. Site-specific BMPs would be designed by the contractor in compliance with regulations and permit conditions. The Project would also comply with applicable post-construction water quality requirements adopted by the Regional Water Quality Control Board (RWQCB - Lahontan Region). Areas disturbed during construction activities would be stabilized to minimize wind and water erosion, and generation of fugitive dust, by watering and/or the use of dust palliatives or tackifiers. Chipped mulch created as a result of selective vegetation removal may also be spread on-site for this purpose as appropriate.

#### Solid Waste Management

Solid waste generated from construction activities may include paper, wood, glass, plastics from packing material, waste lumber, insulation, scrap metal and concrete, empty non-hazardous containers, and vegetation wastes. These wastes would be segregated, where practical, for recycling. Non-recyclable wastes would be placed in covered dumpsters and removed on a regular basis by a certified waste handling contractor for disposal at a Class III landfill. Vegetation wastes generated by site clearing and grubbing would be chipped/mulched and spread on-site or hauled off-site to an appropriate green waste facility.

#### Hazardous Materials and Hazardous Waste Management

The hazardous materials used for construction would be typical of most construction Projects of this type. Such materials would include small quantities of gasoline, diesel fuel, oils, lubricants, solvents, detergents, degreasers, paints, ethylene glycol, and welding materials/supplies. Small quantities of hazardous wastes would likely be generated over the course of construction. These wastes may include waste paint, spent construction solvents, waste cleaners, waste oil, oily rags, waste batteries, and spent welding materials. Hazardous materials management and hazardous waste management during construction activities would follow the requirements of the Hazardous Material Management Program (HMMP) and Hazardous Waste Management Plan for Edwards AFB.

## 1.3.3 Operations and Maintenance

Once placed into service, the solar facility would operate during daylight hours, when there is sufficient sunlight for operation of the solar field.

Maintenance performed on the site would consist of equipment inspection and replacement in accordance with manufacturer recommendations. Maintenance activities would occur primarily during daylight hours. Maintenance activities would also include washing the PV panels, as described in more detail below.

Operation and maintenance vehicles would include trucks (pickups, flatbeds, dump trucks), forklifts, and loaders for routine and unscheduled maintenance, and water trucks for solar panel washing. Large heavy-

haul transport equipment may be brought to the site, as needed, for equipment repair or replacement. A minimal amount of equipment will be stored on-site in equipment enclosures.

The facility may be staffed by up to 10 full-time personnel for operation, maintenance, and security at the solar facility. Additional personnel would conduct operations from an off-site location. Additional maintenance and security personnel would be dispatched to the solar facility, as needed.

Other operational details are summarized below.

## Electrical Supply

The solar facility would require power for the electrical enclosures, substation equipment, tracker motors, service buildings, warehouses, and for plant lighting and security. Power would be provided by the solar facility's electrical generation or supplied by the local power provider. Substation protection equipment would be supplied by DC power provided by each substation control building's battery room. There may also be emergency generators may be located on-site as a back-up power source; however, such emergency generators may only be needed during construction and could perhaps be removed during operations.

## Lighting

The lighting system for the solar facility would provide operation and maintenance personnel with illumination for both normal and emergency conditions. Lighting would be designed to provide the minimum illumination needed to achieve safety and security objectives. Lighting would be directed downward and shielded to focus illumination on the desired areas only and to minimize light spillover in accordance with applicable County requirements. Lighting would be provided at the electrical enclosures, on-site buildings, and the main access road entrance. Lighting would be limited so that light spillover on the adjacent properties would be minimal. If lighting at individual solar panels or other equipment is needed for night maintenance, portable lighting would be used.

## Water Use

Water for operation of the solar facility would consist primarily of water for panel washing processes and small quantities used for dust mitigation. Water is anticipated to be trucked to the Project site for operations. The Developer would be responsible for purchasing and providing water for the Project.

Operation of the Project may potentially use up to 30 acre-feet per year (AFY) of water. It is assumed that panel washing would require approximately 1 gallon of water per panel, and that each panel would need to be washed up to four times per year to maintain solar panel operating efficiency, resulting in a demand of approximately 25 AFY. Operational decisions regarding panel washing would be made based upon real-time conditions and there may be years in which no washing is required. Depending on the amount of building square feet (that would be relative to the size of the solar facility), up to 5 acre-feet of water may be needed annually to supply water to service buildings and warehouses for showers, bathrooms, and drinking water for onsite employees.

## Wastewater Generation

Wastewater generated would include sanitary waste handled via on-site septic systems, stormwater runoff, and panel washdown water. Sanitary waste would be handled via on-site septic systems for the services buildings and warehouses. Stormwater runoff would be collected via an on-site drainage system that has not yet been designed. Finally, panel washdown water would be discharged to grade.

### Fire Protection

The Project would comply with all Kern County Fire Code requirements. The PV panels and ancillary equipment represent a negligible increase in fire potential. For the off-site gen-tie line, clearances for vegetation would be implemented in accordance with California Public Utility Code (CPUC) General Order 95 (Rules for Overhead Electric Line Construction).

### Solid Waste Management

Operation of the solar facility would produce a small amount of non-hazardous solid waste. This would include refuse generated by workers and office operations such as rags, scrap metal, packing materials from deliveries, and empty containers. Solid waste would be recycled to the maximum extent possible.

### Hazardous Materials Use and Management

Limited quantities of hazardous materials would be used and stored for operation and maintenance activities. These materials would include oils, lubricants, paints, solvents, degreasers and other cleaners, and transformer mineral oil. Transformer mineral oil would be stored at the onsite substations; all other hazardous materials would be stored in the warehouses.

Mineral oil may be stored at the solar facility. Each of the two generation step-up transformers at the onsite substations may contain dielectric fluid (mineral oil), on a concrete pad surrounded by earthen, fiberglass, or concrete containment berm/curb. The containment area would be lined with an impermeable membrane covered with gravel, and would drain to an underground storage tank. The onsite substations would have a comprehensive Spill Prevention, Control and Countermeasure SPCC plan in accordance with state and federal regulations. Any stormwater or fluid drained to the tank would be inspected for a sheen prior to disposal. If a sheen is observed, the tank contents would be removed by vacuum truck to an appropriate disposal site. If no sheen or contaminants are detected, the stormwater would be drained onsite.

Any hazardous materials would be stored in appropriate storage locations and containers. Flammable materials, such as paints and solvents, would be stored in nonflammable material storage cabinets with built-in containment sumps. A Hazardous Materials Management Process (HMMP) would be developed for Project operation in compliance with the HMMP for Edwards AFB and the Kern County Fire Department (KCFD) prior to turnover of the site from construction to operation.

## 1.3.4 Decommissioning

The Developer intends to sell the renewable energy produced by the Project for the term of the Enhanced Use Lease (EUL) with the Air Force. Upon completion of the lease, the owner may extend the EUL with the Air Force or decommission and remove the system and its components. The solar modules would be dismantled and removed from the site by truck and footings removed to a depth of three feet. Upon decommissioning, the solar site could be converted to other uses in accordance with applicable land use regulations in effect at that time.

It is anticipated that during decommissioning, project structures would be removed from the site. Aboveground equipment that would be removed would include module posts and support structures, onsite transmission poles that are not shared with third parties and the overhead collection system within the project site, inverters, transformers, battery storage containers, electrical wiring, equipment on the inverter pads, and related equipment and concrete pads. The substation would be removed if it is owned by the Project, however if a public or private utility assumes ownership of the substation, the substation may remain onsite to be used as part of the utility service to supply other applications. Project roads would be restored to their preconstruction condition unless the landowner elects to retain the improved roads for

access throughout that landowner's property. The area would be thoroughly cleaned and all debris removed. As discussed above, most materials would be recycled to the extent feasible, with minimal disposal to occur in landfills in compliance with all applicable laws.

A collection and recycling program would be executed to promote recycling of project components and minimize disposal of project components in landfills. All decommissioning and restoration activities would adhere to the requirements of the appropriate governing authorities and in accordance with all applicable federal, State, and County regulations. The developer expects a secondary market for PV modules to develop over time. Although energy output may diminish, PV modules are expected to continue to have a productive life and can be decommissioned from a prime location or re-commissioned in another location.

**Relationship of the Project to Other Solar Projects**

The Project is being developed independently of other approved or proposed solar projects in the County. If approved, the Project would be subject to its own use permits, conditions of approval, interconnection agreements, and power purchase agreements. The County understands that the Project facilities would be built and operated independently of any other solar project, and, if approved, would not depend on any other solar project for economic viability. The Project would involve constructing new gen-tie lines to deliver energy from the solar facility to the existing Westwind and Southern California Edison Windhub Substations which are located approximately 9.5 miles to the northwest.

## 1.4 Project Objectives

CEQA also requires a statement of Project specific objectives which consist of the following.

### 1.4.1 Air Force Objectives

The Air Force's objectives include the following:

- Promote the efficient and economical use of Federal real property under Executive Order (EO) 13327, Federal Real Property Management; United States Code (U.S.C), Title 10, Part IV, Chapter 159, Subsection 2667, Leases: Non-Excess Property of Military Departments and Defense Agencies; and Air Force asset management and renewable energy policy and guidance.
- Attain Federal, State of California and Department of Defense (DoD) renewable energy and energy security goals and mandates to include but not limited to: Sections 2822 and 2823 of National Defense Authorization Act of 2012; EOs 13423 and 13514; State of California's Clean Energy and Pollution Reduction Act of 2015 (SB-350); and Office of the Assistant Secretary of Defense's Installation Energy Plans memorandum of May, 31 2016.
- Evaluate, implement and support renewable energy Projects that can minimize or contribute to the reduction of GHG emissions (EO 13514.)

### 1.4.2 Project Objectives

The Developer's objectives include the following:

- Establish a utility-scale solar PV-generating-facility in order to assist the State of California in achieving the RPS by providing a significant new source of renewable energy (California State Assembly Bill (AB) 32, Senate Bill (SB) 1078, SB 107, SB 350, and SB 2).
- Supply clean, safe, renewable energy for up to 450,000 homes.
- Produce and transmit electricity at a competitive cost and in a manner that is eligible for commercial financing.

- Use technology that is available, proven, efficient, easily maintained, recyclable, and environmentally sound.
- Support the economic development of Kern County and the State of California.
- Enhance existing electrical distribution infrastructure and provide greater support to existing and future customer loads.
- Ensure EUL development plans support County operations in a manner consistent with County plans.
- Minimize environmental effects by:
    - Using existing electrical distribution facilities, rights-of-way, roads, and other existing infrastructure, where practicable;
    - Minimizing impacts on threatened and/or endangered species;
    - Minimizing water use; and
    - Reducing GHG emissions.

Some objectives, such as reducing GHG emissions and increasing the amount of renewable energy consumed and produced are mutual and overlapping goals, while other goals are unique to either the Air Force or the Developer.

## 1.5 Proposed Discretionary Actions/Required Approvals

The proposed discretionary actions, including required agency consultations, are identified in **Table 7** below. Other additional permits or approvals from responsible agencies may be required for the Project.

**TABLE 7: PROPOSED DISCRETIONARY ACTIONS**

| Action / Permit / Consultation | Agency | Purpose |
|---|---|---|
| Enhanced Use Lease | DoD/Air Force | To develop a utility scale renewable energy Project on non-excess real property on Edwards AFB |
| Air Force Form 332, Work Request | Air Force | To construct proposed facilities within Edwards AFB |
| Air Force Form 103, Work Authorization Request | Air Force | To construct proposed facilities within Edwards AFB |
| Record of Decision | Air Force | Approval of the EIS |
| Environmental Impact Report | Kern County | Consideration and certification of the Final EIR with appropriate Findings (15091 and 15093) and mitigation measures monitoring program, if applicable, by the Kern County Board of Supervisors |
| Franchise Agreement | Kern County | To utilize County franchise rights for routing the gen-tie line from the Project area to Windhub Substation |
| Adoption of Mitigation Monitoring Program | Kern County | To ensure mitigation requirements are followed during construction and operation |
| Grading and Building Permits | Kern County | To permit the construction of proposed facilities within Kern County and Edwards AFB |
| Fire Safety Plan | Kern County-Fire Department | Ensure fire safety during construction and operations |

| Action / Permit / Consultation | Agency | Purpose |
|---|---|---|
| Permit for Septic Systems | Kern County | To permit the construction and operation of proposed septic systems |
| Encroachment Permit | Kern County | To permit the construction of facilities with County road rights-of-way |
| Encroachment Permit | Caltrans | To construct an encroachment into the SR 14 right-of-way |
| Right-of-Way Grant | BLM | To construct a portion of the gen-tie line on BLM lands |
| Permit | State Lands Commission | To construct a portion of the gen-tie line on state lands |
| Easement by Ordinance | LADWP | To cross the LADWP 230 kV and 500 MW transmission lines |
| Easement | LADWP | To cross the LADWP Los Angeles Aqueduct |
| Federal Endangered Species Act (ESA) Section 7 Consultation | U.S. Fish and Wildlife Service (USFWS) | To fulfill the requirement for federal agencies to consult with the USFWS if they are proposing an "action" that may affect listed species or their designated habitat |
| National Historic Preservation Act (NHPA) Section 106 Consultation | State Historic Preservation Officer (SHPO) | To fulfill the requirement for federal agencies to take into account the effects of their undertakings on historic properties, and afford the Advisory Council on Historic Preservation a reasonable opportunity to comment |
| Determination of No Hazard to Air Navigation | Federal Aviation Administration (FAA) | To ensure that proposed structures would not have a substantial aeronautical impact to air navigation |
| Incidental Take Permit | California Department of Fish and Wildlife (CDFW) | To permit the potential take of state-listed threatened and endangered species |
| Streambed Alteration Agreement | CDFW | To permit alterations to CDFW jurisdictional drainages |
| Wireline Encroachment Permit | Union Pacific Railroad | To permit the construction of wireline crossings over Union Pacific Railroad railways |
| Authority to Construct/Permit to Operate | Eastern Kern Air Pollution Control District (EKAPCD) | To permit the operation of equipment that may generate significant quantities of air contaminants |
| National Pollution Discharge Elimination System (NPDES) General Permit | RWQCB | To permit stormwater discharges associated with construction activities |
| Well Abandonment Approval | RWQCB and Edwards AFB | To properly abandon water wells that are no longer in use |

The preceding discretionary actions/approvals are potentially required and do not necessarily represent a comprehensive list of all possible discretionary permits/approvals required. Other additional permits or approvals from responsible agencies may be required for the proposed project.

# 2.0 Kern County Environmental Checklist Form

## 2.1 Environmental Factors Potentially Affected:

The environmental factors checked below would be potentially affected by this Project, involving at least one impact that is a "potentially significant impact" as indicated by the Kern County Environmental Checklist on the following pages.

| | | |
|---|---|---|
| ☒ Aesthetics | ☒ Agriculture and Forestry Resources | ☒ Air Quality |
| ☒ Biological Resources | ☒ Cultural Resources | ☒ Tribal Cultural Resources |
| ☒ Geology and Soils | ☒ Greenhouse Gas Emissions | ☒ Hazards and Hazardous Materials |
| ☒ Hydrology and Water Quality | ☒ Land Use and Planning | ☒ Mineral Resources |
| ☒ Noise | ☐ Population and Housing | ☒ Public Services |
| ☐ Recreation | ☒ Transportation and Traffic | ☒ Utilities and Service Systems |
| ☒ Mandatory Findings of Significance | | |

In addition to the above environmental factors, the EIS/EIR will include a discussion of the following in order to meet the Proposed Action's NEPA requirements:

- Air Space Management and Use
- Environmental Justice
- Safety
- Socioeconomics

In addition, geology and soils will be included under the heading *Soil Resources*, and hydrology and water quality, along with water usage will be discussed under the heading *Water Resources*.

## 2.2 Determination (To be completed by the Lead Agency)

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the Developer. A MITIGATED NEGATIVE DECLARATION will be prepared.

☒ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (a) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (b) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENT IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

| | |
|---|---|
| Signature | November 27, 2017<br>Date |
| Janice Mayes<br>Printed Name | Edwards AFB Solar, LLC<br>For |

# 3.0 Evaluation of Environmental Impacts

(1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

(2) All answers must take account of the whole action involved, including offsite as well as onsite, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

(3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

(4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measure and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, "Earlier Analyses," may be cross-referenced).

(5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or Negative Declaration, Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

(a) Earlier Analysis Used. Identify and state where they are available for review.

(b) Impacts Adequately Addressed. Identify which effects from the above checklist where within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

(c) Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

(6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

(7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

(8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

(9) The explanation of each issue should identify:

(a) The significance criteria or threshold, if any, used to evaluate each question; and

(b) The mitigation measure identified, if any, to reduce the impact to a less-than-significant level.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **AESTHETICS.** *Would the project:* | | | | |
| a. Have a substantial adverse effect on a scenic vista? | ☐ | ☐ | ☒ | ☐ |
| b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? | ☐ | ☐ | ☐ | ☒ |
| c. Substantially degrade the existing visual character or quality of the site and its surroundings? | ☒ | ☐ | ☐ | ☐ |
| d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? | ☒ | ☐ | ☐ | ☐ |

**Discussion:**

a. The Project site is situated within Edwards AFB. There are no ridges, rocky outcrops, or other substantial topographic features in the Project area. Due to the flat topography and limited height of the solar modules, visual impacts would likely be limited to persons within the immediate area, including residences located across Trotter Avenue. Additionally, the solar facility and gen-tie line are not located in an area identified as having scenic views, nor are they considered to be within a scenic vista. Impacts would be less than significant and no further analysis is warranted.

b. According to the California Department of Transportation (Caltrans) California Scenic Highway Mapping System, the nearest scenic highways to the Project site include State Route (SR) 14, which is considered an eligible scenic highway from its junction with SR 58 to its junction with SR 395, and SR 58, which is also considered an eligible scenic highway from its junction with SR 14 to Interstate 5. These eligible portions of SR 14 and SR 58 are located nearly 10 miles north of the Project site. The installation of PV solar modules would not be visible from this distance. Therefore, there would be no impacts to scenic resources on a State scenic highway, and no further analysis is warranted.

c. Surrounding land uses consist primarily of undeveloped land within Edwards AFB. Land uses along the gen-tie line are generally undeveloped and rural in nature, with scattered residences. Approximately 30 residences border the north side of the Edwards AFB boundary along Trotter Avenue. PV solar modules and associated structures on the Project site would be visible to those residences, as well as to those traveling in the vicinity and would alter the character of the surrounding area. Changes to the visual quality and character of the Project site would be potentially significant, and impacts will be further evaluated in the EIS/EIR.

d. The Project site is situated on a currently undeveloped site within Edwards AFB. No lighting exists on the Project site, however, some street and residential lighting exists along Trotter Avenue. The PV modules are designed to absorb sunlight to maximize electrical output; therefore, they are not expected to create significant reflective surfaces or the potential for glint/glare during the day. The proposed solar facility lighting would be designed to provide the minimum illumination needed to achieve safety and security objectives, and would be directed downward and shielded to focus illumination on the desired areas only and minimize light trespass. However, further analysis of the specific lighting required, the effects of nighttime light on the area, and impacts from glare from the Project are warranted due to the abundance of flight training activities that occur at Edwards AFB. These impacts will be further evaluated in the EIS/EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **AGRICULTURE AND FOREST RESOURCES.** In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project: | | | | |
| a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use? | ☐ | ☐ | ☐ | ☒ |
| b. Conflict with existing zoning for agricultural use, or Williamson Act contract? | ☒ | ☐ | ☐ | ☐ |
| c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Productions (as defined in Government Code section 51104(g))? | ☐ | ☐ | ☐ | ☒ |
| d. Result in the loss of forest land or conversion of forest land to non-forest use? | ☐ | ☐ | ☐ | ☒ |
| e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use? | ☒ | ☐ | ☐ | ☐ |
| f. Result in the cancellation of an open space contract made pursuant to the California Land Conservation Act of 1965 or Farmland Security Zone Contract for any parcel of 100 or more acres (Section 15206(b)(3) Public Resources Code? | ☐ | ☐ | ☐ | ☒ |

**Discussion:**

a. The California Department of Conservation Farmland Mapping and Monitoring Program does not identify any of the lands within the proposed solar facility site or along the proposed gen-tie line as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. As a result, the proposed Project would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance as designated by the Department of Conservation. Therefore, further analysis of this issue is not warranted in the EIS/EIR.

b. The site of the proposed solar facility is located within lands zoned for limited agricultural purposes. The Project site does not contain lands that are subject to Williamson Act contracts, either active or in nonrenewal. However, the gen-tie route options abut lands that are zoned Exclusive Agriculture and Limited Agriculture. Thus, the Project may conflict with existing zoning for agricultural use. This issue will be further analyzed in the EIS/EIR.

c., d. There are no lands in the vicinity of the solar facility site and gen-tie route options that are zoned as forest land, timberland, or for timberland production. Therefore, there would be no impacts regarding the rezoning of forest land, timberland, or timberland zoned for timberland production and no further analysis is warranted.

e. The proposed solar facility site consists of undeveloped land within Edwards AFB and would not result in the conversion of farmland to nonagricultural uses. However, the proposed gen-tie line is immediately adjacent to lands zoned for agricultural purposes, and has the potential to convert farmland to non-agricultural uses. Therefore, this issue will be further analyzed in the EIS/EIR.

f. The Project site is not subject to an open space contract made pursuant to the California Land Conservation Act of 1965 or the Farmland Security Zone Contract. As stated above, the Project site is not under a Williamson Act contract, and no impacts are anticipated. Therefore, further analysis of this issue is not warranted in the EIS/EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **AIR QUALITY.** Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project: | | | | |
| a. Conflict with or obstruct implementation of the applicable air quality plan? | ☒ | ☐ | ☐ | ☐ |
| b. Violate any air quality standard as adopted in (c)i or (c)ii, or as established by EPA or air district or contribute substantially to an existing or projected air quality violation? | ☒ | ☐ | ☐ | ☐ |
| c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)? Specifically, would implementation of the project exceed any of the following adopted thresholds: | ☒ | ☐ | ☐ | ☐ |
| i. San Joaquin Valley Unified Air Pollution Control District: | | | | |
| Operational and Area Sources: | | | | |
| Reactive Organic Gases (ROG) 10 tons per year. | ☐ | ☐ | ☐ | ☒ |
| Oxides of Nitrogen ($NO_x$) 10 tons per year. | ☐ | ☐ | ☐ | ☒ |
| Particulate Matter ($PM_{10}$) 15 tons per year. | ☐ | ☐ | ☐ | ☒ |
| Stationary Sources as Determined by District Rules: | | | | |
| Severe Nonattainment 25 tons per year. | ☐ | ☐ | ☐ | ☒ |
| Extreme Nonattainment 10 tons per year. | ☐ | ☐ | ☐ | ☒ |

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| ii. Eastern Kern Air Pollution Control District: | | | | |
| Operational and Area Sources: | | | | |
| Reactive Organic Gases (ROG) 25 tons per year. | ☒ | ☐ | ☐ | ☐ |
| Oxides of nitrogen ($NO_x$) 25 tons per year. | ☒ | ☐ | ☐ | ☐ |
| Particulate Matter ($PM_{10}$) 15 tons per year. | ☒ | ☐ | ☐ | ☐ |
| Stationary Sources as Determined by District Rules: 25 tons per year. | ☒ | ☐ | ☐ | ☐ |
| d. Expose sensitive receptors to substantial pollutant concentrations? | ☒ | ☐ | ☐ | ☐ |
| e. Create objectionable odors affecting a substantial number of people? | ☐ | ☐ | ☐ | ☒ |

**Discussion:**

a. The Project site is located entirely within the jurisdiction of the Eastern Kern Air Pollution Control District (EKAPCD), in the Mojave Desert Air Basin (MDAB). The EKAPCD is designated nonattainment for both the state and federal ozone standards and the state particulate matter ($PM_{10}$) standard. Construction of the solar facility would generate emissions of oxides of nitrogen ($NO_X$) and $PM_{10}$ that could result in significant impacts to air quality in the area. Equipment usage and activities during construction of the Project would result in emissions of $PM_{10}$ and ozone precursors, including $NO_X$ and volatile organic compounds (VOCs), which could result in significant impacts to air quality in the area. The sources of emissions would include heavy equipment used to excavate and grade the array pads and access areas, cranes, and on-road motor vehicles for equipment and material deliveries and workers commuting to and from the site. Grading and activity on unpaved roads and lay-down areas would contribute to $PM_{10}$ emissions. This impact is potentially significant. Further analysis of air quality impacts is warranted to determine whether the Project would conflict with or obstruct implementation of the applicable plans for attainment and, if so, to determine the reasonable and feasible mitigation measures that could be imposed. These issues will be evaluated in the EIS/EIR.

b. Short-term construction emissions could significantly contribute to an existing or projected air quality violation of $PM_{10}$ or ozone standards, requiring the consideration of mitigation measures. This impact is potentially significant and will be evaluated further in the EIS/EIR.

c. The EKAPCD is a nonattainment area for the state and federal ozone standards and the state $PM_{10}$ standard. The EKAPCD rules and regulations apply to all Project activities. The air quality analysis will include a quantitative discussion of emissions created by this Project regardless of the air basin. This

will include activities such as truck trips to deliver panels or employees to the site. Cumulative contributions to this basin could be potentially significant. Construction and operational emissions will be analyzed in the EIS/EIR.

d. The Project site is located in a sparsely populated area, and the nearest resident is across Trotter Avenue, approximately 200 feet from the site. However, any sensitive receptors could be exposed to pollutant emissions. Construction-related activity would result in diesel exhaust emissions and dust that could adversely affect air quality for the nearest sensitive receptors. Mitigation measures for diesel equipment and dust control that are recommended by the EKAPCD will be evaluated as part of the EIS/EIR to avoid or reduce the impacts to construction workers and occupants of nearby residences.

e. Aside from odors associated with vehicle exhaust and fueling, no odors would result from implementation of the Project. Therefore, it is anticipated that there would be no impact and further analysis is not warranted in the EIS/EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **BIOLOGICAL RESOURCES.** Would the project: | | | | |
| a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? | ☒ | ☐ | ☐ | ☐ |
| b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? | ☒ | ☐ | ☐ | ☐ |
| c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? | ☐ | ☐ | ☒ | ☐ |
| d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? | ☐ | ☐ | ☒ | ☐ |
| e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | ☐ | ☐ | ☒ | ☐ |
| f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan or other approved local, regional, or state habitat conservation plan? | ☐ | ☐ | ☐ | ☒ |

**Discussion:**

a., b. The Project site is located within Edwards AFB in southeastern Kern County. The Project site contains large areas of undeveloped land with native vegetation. A biological analysis is required to identify any critical habitats, riparian habitats, and sensitive species on or near the site. As such, impacts to biological resources are potentially significant and impacts will be analyzed in the EIS/EIR.

c. The Project site is located within Edwards AFB and does not appear to support any riparian habitat or other sensitive natural communities as may be defined by local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife (CDFW) or U.S. Fish and Wildlife Service (USFWS). A biological analysis, soils characterization, and drainage study will be prepared to examine this issue in more detail. This issue will be further evaluated in the EIS/EIR. Jason start

d. The Project site and surrounding area may be used for migration or dispersal by some avian species. Construction and operation of the Project could also remove foraging habitat. This impact will be evaluated in the EIS/EIR.

e. There is a policy within the Kern County General Plan addressing oak tree preservation. However, due to the lack of oak trees within the Project site, there would be a less than significant impact. This issue will not be further evaluated in the EIS/EIR.

f. The proposed project is located within the West Mojave Plan (WMP) planning area. However, the WMP only applies to federal public lands managed by the BLM and is not an adopted Habitat Conservation Plan (HCP) or Natural Community Conservation Plan (NCCP). The site is also located within a Development Focus Area of the Desert Renewable Energy Conservation Plan (DRECP) planning area, which means that the area is expected to support fewer sensitive status species than areas identified with conservation potential and is therefore more likely to be appropriate for renewable energy development. However, the DRECP at this time only applies to federal public lands managed by the BLM and is not an adopted HCP or NCCP. A portion of North-South Gen-tie Route Option 3 would cross land administered by the BLM and, therefore, is subject to the WMP and the DRECP. There are no impacts because the proposed project would not conflict with the provisions of an adopted habitat conservation plan. Therefore, biological resources data generated by the WMP and DRECP that are relevant to the project site will be considered in the EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **CULTURAL RESOURCES.** Would the project: | | | | |
| a. Cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines §15064.5? | ☒ | ☐ | ☐ | ☐ |
| b. Cause a substantial adverse change in the significance of a tribal cultural resource as defined in Public Resources Code 21074 | ☒ | ☐ | ☐ | ☐ |
| c. Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines §15064.5? | ☒ | ☐ | ☐ | ☐ |
| d. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | ☐ | ☒ | ☐ | ☐ |
| e. Disturb any human remains, including those interred outside of formal cemeteries? | ☐ | ☒ | ☐ | ☐ |

**Discussion:**

(a)–(c) The Project consists of undeveloped land. Development of the Project would require ground disturbance for grading, installation of the solar arrays, gen-tie line, and placement of underground electrical and communications lines; this development could potentially impact historical resources, tribal cultural resources, and archaeological resources. A cultural resources survey will be conducted for the Project. Further evaluation in the EIR is warranted to identify potential impacts to historical, archaeological resources and tribal cultural resources and to formulate avoidance or mitigation measures, if applicable.

d. Kern County is rich in paleontological resources. Construction activities would involve relatively shallow excavations and trenching; therefore, significant impacts to paleontological resources are anticipated to be less than significant with mitigation. However, the EIS/EIR will include an analysis of paleontological resources.

e. There is no evidence that the Project site is located within an area likely to contain human remains, and discovery of human remains during earthmoving activities is not anticipated. However, the potential for human remains to be encountered will be further analyzed in the EIS/EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **TRIBAL CULTURAL RESOURCES.** | | | | |
| *Would the project:* | | | | |
| a. Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: | | | | |
| b. | | | | |
| i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or | ☒ | ☐ | ☐ | ☐ |
| ii. A resource determined by the lead agency in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. | ☒ | ☐ | ☐ | ☐ |

**Discussion:**

(a)(i–ii) Evidence is not present to suggest the Project site has been previously developed or used as farmland, which has the potential to disturb any cultural resources, including tribal cultural resources. All tribes with possible cultural affiliation and interest within the Project area will be notified, per Assembly Bill 52. The potential for tribal cultural resources to be encountered will be evaluated further in the EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **GEOLOGY AND SOILS.** Would the project: | | | | |
| a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: | | | | |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | ☒ | ☐ | ☐ | ☐ |
| ii) Strong seismic ground shaking? | ☒ | ☐ | ☐ | ☐ |
| iii) Seismic-related ground failure, including liquefaction? | ☐ | ☐ | ☒ | ☐ |
| iv) Landslides? | ☐ | ☐ | ☐ | ☒ |
| b. Result in substantial soil erosion or the loss of topsoil? | ☒ | ☐ | ☐ | ☐ |
| c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or offsite landslide, lateral spreading, subsidence, liquefaction or collapse? | ☐ | ☐ | ☒ | ☐ |
| d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property? | ☐ | ☐ | ☒ | ☐ |
| e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water? | ☐ | ☐ | ☐ | ☒ |

**Discussion**

a.i Primary ground rupture is ground deformation that occurs along the surface trace of the causative fault during an earthquake. The Project site is not transected by known active or potentially active faults. The Garlock fault zone, the nearest fault to the Project site, is located approximately 12 miles northwest of the site.

As many as 1,250 construction workers would be employed during construction of the Project and up to 10 personnel would be required for operation, maintenance, and security at the solar facility. Up to 40,000 square feet of permanent services and warehouse buildings would be constructed throughout the solar facility site. Thus, there is the potential for active fault zones to expose people or structures to substantial adverse effects. Further analysis will be included in the EIS/EIR.

a.ii Strong seismic ground shaking could occur at the Project site, resulting in damage to structures that are not properly designed to withstand strong ground shaking. The Project would include the construction of the solar facility, transmission lines, an electrical collection system, service buildings, warehouses, and other associated infrastructure. During operations, up to 10 personnel would be required for operation, maintenance, and security at the solar facility. These staff could be affected by strong seismic ground shaking. Construction workers would be on-site temporarily. Construction of the Project would be subject to all applicable ordinances of the Kern County Building Code (Chapter 17.08). Kern County has adopted the California Building Standards Code, 2010 Edition (CCR Title 24), which imposes substantially the same requirements as the International Building Code (IBC), 2009 Edition, with some modifications and amendments. The entire County is located in seismic Zone 4, a designation previously used in the Uniform Building Code (UBC) to denote the areas of the highest risk to earthquake ground motion. Adherence to applicable regulations would minimize the potential impacts associated with the Project. This issue will be analyzed further in the EIS/EIR.

a.iii Seismically induced liquefaction occurs when loose, water-saturated sediments of relatively low density are subjected to extreme shaking that causes soils to lose strength or stiffness because of increased pore water pressure. Liquefaction generally occurs when the depth of groundwater is less than approximately 50 feet. Based on review of available groundwater data in the site vicinity, the groundwater is reported to be deeper than 100 feet below the ground surface. Thus, the potential for liquefaction at the surface is low. Structures constructed as part of the Project would be required by state law to be constructed in accordance with all applicable IBC and California Building Code (CBC) earthquake construction standards, including those relating to soil characteristics. Adherence to all applicable regulations would avoid any potential impacts to structures resulting from liquefaction at the Project site. Impacts resulting from liquefaction are anticipated to be less than significant; however, further analysis in the EIS/EIR is warranted.

a.iv The Project site is located in a relatively flat plain, where the likelihood of landslides is low. Therefore, impacts related to landslides are not anticipated to occur or pose a hazard to the Project or surrounding area. Further analysis of this issue is not warranted in the EIS/EIR.

b. Minimal grading and excavation would be required for foundations at the site, but some trenching would be required for the installation of underground cables and circuits. Construction of the Project would have the potential to result in erosion, sedimentation, and discharge of construction debris from the site. Clearing of vegetation and grading activities, for example, could lead to exposed or stockpiled soils susceptible to peak stormwater runoff flows and wind. The compaction of soils by heavy equipment may minimally reduce the infiltration capacity of soils (exposed during construction) and increase runoff and erosion potential. The presence of large amounts of raw materials for construction, including aggregate

base course material, may lead to stormwater runoff contamination. The Project operator would be required to obtain a National Pollutant Discharge Elimination System (NPDES) general construction permit, because development of the Project would disturb at least one acre of soil. In order to conform to the requirements of the NPDES general construction permit, a Stormwater Pollution Prevention Plan (SWPPP) would need to be prepared that specifies best management practices (BMPs) to prevent construction pollutants, including eroded soils (such as topsoil), from moving off-site. Although impacts are anticipated to be less than significant with implementation of the above requirements, this issue will be further evaluated in the EIS/EIR.

c. As discussed above, the Project site lies in a relatively flat plain where landslides would not be expected to occur. Therefore, impacts related to landslides are not anticipated to occur or to pose a hazard to the proposed solar facility or surrounding area, and further analysis of this issue is not warranted in the EIS/EIR.

   Most of the Project site is located on an undeveloped alluvial plain. Compressible alluvial soils pose the risk of adverse settlement under static loads imposed by new fill or structures. The Project would be designed to comply with applicable building codes and structural improvement requirements to withstand the effects of collapsible soils; however, this issue will be further evaluated in the EIS/EIR.

d. Expansive soils are fine-grained soils (generally high plasticity clays) that can undergo a significant increase in volume when wetted and a significant decrease in volume as they dry. Changes in the water content of a highly expansive soil can result in severe distress to structures constructed on or against the soil. The expansion potential of on-site soils has not been determined. The proposed solar facility would be designed to comply with applicable building codes and structural improvement requirements to withstand the effects of expansive soils. The implementation of Kern County Building Code requirements, as applicable, would minimize the potential impact of expansive soils. However, this issue will be further evaluated in the EIS/EIR.

e. The operational phase of the Project would include service buildings and warehouses with up to 10 employees. This facility would include development of a septic system. Wastewater generated during operation is not expected to be significant because the Project would require a small number of employees. Soils on-site could have expansive qualities potentially impacting operation of the proposed septic system. The impact is considered to be less than significant; however, this issue will be further evaluated in the EIS/EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **GREENHOUSE GAS EMISSIONS.** Would the project: | | | | |
| a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? | ☒ | ☐ | ☐ | ☐ |
| b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | ☒ | ☐ | ☐ | ☐ |

**Discussion:**

a. Greenhouse gas (GHG) emissions emitted by human activity are implicated in global climate change or global warming. The principal GHGs are carbon dioxide ($CO_2$), methane ($CH_4$), nitrous oxides ($NO_X$), ozone, water vapor, and fluorinated gases. Fossil fuel consumption in the transportation sector (on-road motor vehicles, off-highway mobile sources, and aircraft) is the single largest source of GHG emissions, accounting for an estimated one-half of GHG emissions globally. Construction activities associated with heavy equipment operation, truck deliveries, and construction worker commute trips would temporarily generate GHGs. Although operation of the Project is intended to offset GHGs generated by traditional sources of electricity, potential impacts will be further evaluated in the EIS/EIR.

b. California has passed several bills and the governor has signed at least three executive orders regarding GHGs. Assembly Bill (AB) 32 (the Global Warming Solutions Act) was passed by the California legislature on August 31, 2006. It requires the state's global warming emissions to be reduced to 1990 levels by 2020. The reduction is being accomplished through an enforceable statewide cap on GHG emissions that was phased in starting in 2012.

In 2002, California established its Renewable Portfolio Standard (RPS) Program, with the goal of increasing the percentage of renewable energy in the state's electricity mix to 20 percent renewable energy by 2017. In 2006, under Senate Bill (SB) 107, the RPS Program codified the 20 percent goal. The RPS Program requires electric utilities and providers to increase procurement from eligible renewable energy resources by at least one percent of their retail sales annually until they reach 20 percent by 2010. On November 17, 2008, the governor signed Executive Order S-14-08, requiring California utilities to reach the 33 percent renewable goal by 2020. In 2015, SB 350 was enacted to increase the RPS to 50 percent and reduce greenhouse gas emissions by 40 percent by the year 2030. The proposed solar facility is intended to: (1) reduce importation of power from fossil fuel power plants; and (2) contribute to a reduction in GHGs. Nevertheless, potential impacts related to GHG emissions will be further evaluated in the EIS/EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **HAZARDS AND HAZARDOUS MATERIALS.** Would the project: | | | | |
| a. Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials? | ☒ | ☐ | ☐ | ☐ |
| b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | ☒ | ☐ | ☐ | ☐ |
| c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? | ☐ | ☐ | ☐ | ☒ |
| d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | ☒ | ☐ | ☐ | ☐ |
| e. For a project located within the adopted Kern County Airport Land Use Compatibility Plan, would the project result in a safety hazard for people residing or working in the project area? | ☒ | ☐ | ☐ | ☐ |
| f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area? | ☐ | ☐ | ☐ | ☒ |
| g. Impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan? | ☐ | ☐ | ☐ | ☒ |
| h. Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands? | ☐ | ☐ | ☒ | ☐ |

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| i. Would implementation of the project generate vectors (flies, mosquitoes, rodents, etc.) or have a component that includes agricultural waste? Specifically, would the project exceed the following qualitative threshold: | | | | |
| The presence of domestic flies, mosquitoes, cockroaches, rodents, and/or any other vectors associated with the project is significant when the applicable enforcement agency determines that any of the vectors: | | | | |
| i. Occur as immature stages and adults in numbers considerably in excess of those found in the surrounding environment; and | ☐ | ☐ | ☐ | ☒ |
| ii. Are associated with design, layout, and management of project operations; and | ☐ | ☐ | ☐ | ☒ |
| iii. Disseminate widely from the property; and | ☐ | ☐ | ☐ | ☒ |
| iv. Cause detrimental effects on the public health or well being of the majority of the surrounding population. | ☐ | ☐ | ☐ | ☒ |

**Discussion:**

a. The proposed Project would not involve the routine transport, use, or disposal of hazardous materials as defined by the Hazardous Materials Transportation Uniform Safety Act and is not expected to create a significant hazard to the public or the environment. Construction of the proposed Project would require transporting general construction materials (concrete, wood, metal, fuel, etc.) as well as materials necessary to construct the proposed PV arrays. Project-related infrastructure would not emit hazardous materials, or be constructed of acutely hazardous materials or substances that could adversely impact the public or on-site workers. Wastes generated during construction of the Project would also be non-hazardous, and would consist of cardboard, wood pallets, copper wire, scrap steel, common trash, and wood wire spools. Although field equipment used during construction activities could contain various hazardous materials (hydraulic oil, diesel fuel, grease, lubricants, solvents, adhesives, paints, etc.), these materials are not considered to be acutely hazardous and would be used in accordance with the manufacturer specifications and all applicable regulations. In addition, hazardous fuels and lubricants used on field equipment would be subject to a Hazardous Waste Management Plan and a Spill Prevention, Containment, and Countermeasure Plan. Impacts resulting from the transport, use, or disposal of hazardous materials during construction of the Project would be potentially significant and the EIS/EIR will include an evaluation of potential hazardous materials impacts.

The Project would be subject to all local, state, and federal laws pertaining to the use of hazardous materials on-site and would be subject to review by the Kern County Environmental Health Services

Division. The Project operator would be required to submit a complete list of all materials used on-site, how the materials would be transported, and in what form they would be used to maintain safety and prevent possible environmental contamination or worker exposure. During construction of the Project, Material Safety Data Sheets (MSDS) for all applicable materials present at the site would be made readily available to on-site personnel. During construction of the facilities, non-hazardous construction debris would be generated and disposed of in approved facilities. During construction of the facility, sanitary waste would be managed using portable toilets located at reasonably accessible on-site locations. Therefore, construction would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.

The PV panels may include solid materials that are considered to be hazardous, such as cadmium telluride. The Project would use the manufacturer's collection and recycling program to ensure the proper collection and recycling of PV panels, as needed. Solar panels are in a solid and non-leachable state; broken PV panels would not be a source of pollution in stormwater.

Dust palliative and herbicides, if used, may be transported to and stored at the Project site. These materials would be stored in appropriate containers that would prevent their accidental release at the site.

SR 138 is located 23 miles south of the Project site and is a designated route for the transport of hazardous materials. SR 138 can be accessed from Interstate 5 and SR 14. These roadways are equipped to handle the transport of hazardous materials and would provide regional access to the site. The operation of the Project would not involve the routine use of materials defined as hazardous and, therefore, would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials during either construction or operation. Impacts are anticipated to be potentially significant; therefore the EIS/EIR will include an evaluation of potential hazardous material impacts.

b. Construction and operation of the Project may include the accidental release of materials such as cleaning fluids and petroleum products including lubricants, fuels, and solvents. Electrical transformer equipment that would be installed as part of the Project may include various hazardous substances, including polychlorinated biphenyls (PCBs). The toxicity and potential release of these materials would depend on the quantity, type of storage container, safety protocols used on the site, frequency and duration of spills or storage leaks, and the reactivity of hazardous substances with other materials. The Project would be subject to all local, state, and federal laws pertaining to the use of hazardous materials onsite and would be subject to review by the Kern County Environmental Health Services Division. Through the review process, the Project operator would be required to submit a complete list of all materials used on-site, how the materials would be transported, and in what form they would be used. This would be recorded to maintain safety and prevent possible environmental contamination or worker exposure. This would include submission of MSDS for all applicable materials present at the site. The MSDS would be made readily available to on-site personnel. It is anticipated that adherence to regulations and standard protocols during the storage, transportation, and usage of any hazardous materials would avoid significant impacts. However, potential impacts will be evaluated in the EIS/EIR.

c. The Project site is located in a predominantly rural and undeveloped part of Kern County. There are no schools within one-quarter mile of the Project site and none planned in the vicinity. Additionally, the Project consists of solar energy generation facilities that involve using PV panels to generate electricity. Project-related infrastructure would not emit hazardous materials or involve handling hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. No significant impacts are anticipated, and further analysis of this issue is not warranted in the EIS/EIR.

d. The Project site may be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. This issue will be further analyzed in the EIS/EIR.

e. The Project site is located on Edwards AFB, which is a military aviation installation identified in the County Airport Land Use Compatibility Plan (ALUCP). Therefore, the Project has the potential to result in a safety hazards for people residing or working in the Project area. This issue will be further analyzed in the EIS/EIR.

f. The proposed gen-tie line would be constructed with 1.5 miles of the Mojave Air and Space Port, which is identified in the ALUCP. A portion of the gen-tie line may be constructed within Airport Influence Zones D, E1 and E2. This issue will be further analyzed in the EIS/EIR.

g. The Project would not physically impede the existing emergency response plans, emergency vehicle access, or personnel access to the Project site. The Project site is located in a remote area with several alternative access roads allowing access to the site in the event of an emergency. Access would be maintained throughout construction, and appropriate detours would be provided in the event of potential road closures. Therefore, no significant impacts related to impairment of the implementation of or physical interference with an adopted emergency response plan or emergency evacuation plan would occur. Further analysis of this issue is not warranted in the EIS/EIR.

h. The Project site is classified as having a (-1) fire hazard potential, which indicates a very low potential. It is also outside of areas identified by the California Department of Forestry and Fire Protection as having substantial or very high risk. The construction and operation of the Project would not result in increased risk of wildfires in the Project area. Regardless, the proposed solar facility would comply with all applicable wildland fire management plans and policies established by CAL FIRE and Kern County Fire Department. Accordingly, the Project is not expected to expose people or structures to a significant risk of loss, injury, or death involving wildland fires. Therefore, impacts would be less than significant, and further analysis of this issue is not warranted in the EIS/EIR.

i. Project-related infrastructure is not expected to result in features or conditions (such as standing water, agricultural products, agricultural waste, or human waste) that would provide habitat for vectors such as mosquitoes, flies, cockroaches, or rodents. During construction and operation of the Project, workers would generate small quantities of solid waste (trash) that would be appropriately stored for permanent disposal. Therefore, impacts would not occur and no further analysis is warranted.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **HYDROLOGY AND WATER QUALITY.** Would the project: | | | | |
| a. Violate any water quality standards or waste discharge requirements? | ☒ | ☐ | ☐ | ☐ |
| b. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)? | ☒ | ☐ | ☐ | ☐ |
| c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation onsite or offsite? | ☒ | ☐ | ☐ | ☐ |
| d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding onsite or offsite? | ☒ | ☐ | ☐ | ☐ |
| e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff? | ☒ | ☐ | ☐ | ☐ |
| f. Otherwise substantially degrade water quality? | ☐ | ☐ | ☒ | ☐ |
| g. Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map? | ☐ | ☐ | ☐ | ☒ |
| h. Place within a 100-year flood hazard area structures which would impede or redirect flood flows? | ☒ | ☐ | ☐ | ☐ |

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? | ☐ | ☐ | ☐ | ☒ |
| j. Inundation by seiche, tsunami, or mudflow? | ☐ | ☐ | ☐ | ☒ |

**Discussion:**

a. The Project site is located within the RWQCB Lahontan Region. Project construction activities have the potential to result in erosion, sedimentation, and the discharge of construction debris. Appropriate BMPs and compliance with applicable regulations would reduce potential water quality impacts. The Project contractor(s) would apply for coverage under the state's General Construction Permit for stormwater discharges from construction activities and would prepare a Stormwater Pollution Prevention Plan (SWPPP) including BMP erosion-control measures to control stormwater runoff. Site-specific BMPs would be designed by the contractor in compliance with regulations and permit conditions. Therefore, impacts related to water quality during construction would be considered less than significant. Although no significant impacts related to water quality are anticipated, a comprehensive hydrology and water quality impact analysis will be included in the EIS/EIR.

b. Water would be used during construction and operation for dust control, panel washing, and sanitary use. Water needed for construction is expected to be purchased from a local water purveyor. Nonpotable water supplies for operation of the solar facility would rely on tertiary treated water to the extent available from the Rosamond Community Services District or Antelope Valley East Kern Water Agency. Cleaning of solar panels would be required at least once each year. A comprehensive hydrology and water quality study assessing potential impacts to groundwater use, quality, and recharge would be prepared. This topic will be further analyzed in the EIS/EIR.

c. As with much of the surrounding valley, the Project site is relatively flat. The solar modules and associated facilities areas would require limited site grading. Each array of panels would require concrete footings and fencing would be installed around the entire site. The construction of the concrete pads or other types of foundational supports for the arrays would potentially alter the existing drainage pattern of the site or area. However, the Project is not expected to significantly affect the flow patterns of any of the existing drainage courses in the vicinity. The selected technology leads to a design with minimal obstruction to the existing sheetflow pattern of stormflows on the site.

Minor site grading and compaction would result in a slight increase in impervious surface area. An area would be graded to prepare a smooth surface for panel foundations. The addition of the foundations and inverter pads would create a slight increase in area that can be considered impervious. However, these foundations would be small in size and located throughout the site.

Rainwater that falls onto the panels would drain freely to the ground. The panels would have a sloping orientation, and in general, the lower edge of the PV panel is where rain would run off. Based on the small volume of water falling from each panel, the height of the fall, and the soil conditions, only a very

small amount of erosion would occur. Water would fall from the PV panels and pond at a drip point before infiltrating or gradually migrating into the existing drainage patterns.

A SWPPP would be prepared for the Project and applicable permits would be obtained from the RWQCB, Lahontan Region. A hydrology study will be prepared for the Project in accordance with Kern County requirements, and the potential for erosion will be analyzed in the EIS/EIR.

d. Although the project site is in an area of an undetermined flood zone (Zone D), mapped 100-year flood zones (Zone A) adjacent to the project site and a preliminary flood zone map based on best information available have suggested that the project site likely contains 100-year flood zones. Therefore, it is reasonable to assume the project site is within the 100-year flood zone; therefore, flooding is part of the baseline condition for the area. Development of the Project site would increase impervious surface and could result in an increase in sheetflow across the site and changes in drainage patterns. A SWPPP would be prepared that will incorporate BMPs to limit erosion during construction and operation of the Project. The EIS/EIR will evaluate impacts to drainage patterns and the potential for increased flooding.

e. During construction and following installation of the solar arrays, most of the site would remain as pervious surfaces. The design of the solar arrays is such that stormwater infiltration would occur similar to existing conditions. No component of the Project would concentrate runoff and exceed the capacity of existing or planned stormwater drainage systems. Similarly, no component of the Project is considered a substantial source of polluted runoff. The construction period SWPPP and the operational period Water Quality Management Plan (WQMP) would ensure the proper control and treatment, if necessary, of any stormwater prior to discharge. With adherence to site-specific BMPs, potential pollutants would be minimized to the extent practicable and should not exceed numeric thresholds for water quality protection. Nevertheless, this impact will be discussed further in the EIS/EIR.

f. Project construction activities (such as grading) could potentially degrade water quality through erosion and subsequent sedimentation of streams. Additionally, accidental release of potentially harmful materials, such as engine oil, diesel fuel, and cement slurry, could degrade the water quality of nearby streams. Implementation of a Spill Prevention, Containment, and Countermeasure Plan would include construction BMPs to reduce the impact of Project activities on surrounding water quality. Therefore, construction and operation of the proposed solar facility should not substantially degrade water quality. Nevertheless, this impact will be discussed further in the EIS/EIR.

g. Current Federal Emergency Management Agency (FEMA) Flood Rate Insurance Maps (FIRM) do not show data such as 100-year flood zones for areas within Edwards AFB. According to FIRM 06029C3675E, 06029C3290E, 06029C3295E, 06029C3280E, and 06029C3285E, the proposed gen-tie line would cross areas designated as Zone "A," which include areas that have a one percent annual chance of flooding (100-year flood zones). However, the Project does not include housing. Therefore, no impact would occur and no further analysis is warranted.

h. As discussed under item g above, the proposed gen-tie line would cross areas designated as Zone "A," which include areas that have a one percent annual chance of flooding (100-year flood zones). The Project would be reviewed by the Kern County Engineering, Surveying, and Permit Services Department for adherence to all floodplain management standards. Further analysis is required to identify appropriate mitigation/design measures to reduce impacts from potential flooding and additional review will be provided in the EIS/EIR.

i. The Project site is not located within an area that is subject to flooding due to failure of a levee or dam. Therefore, the Project would not expose people or structures to a significant risk of loss, injury, or death due to flooding. Impacts would not be expected, and no further analysis is warranted in the EIS/EIR.

j. The Project site is not located near an ocean or enclosed body of water, and it would not be subject to inundation by seiche or tsunami. Mudflows are a type of mass wasting or landslide where earth and surface materials are rapidly transported downhill under the force of gravity. Due to the flat nature of the Project site and surrounding area, the potential to be inundated by mudflow is considered remote. Therefore, impacts would not be expected, and no further analysis is warranted.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **LAND USE AND PLANNING.** Would the project: | | | | |
| a. Physically divide an established community? | ☐ | ☐ | ☐ | ☒ |
| b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? | ☐ | ☐ | ☒ | ☐ |
| c. Conflict with any applicable habitat conservation plan or natural community conservation plan? | ☐ | ☐ | ☐ | ☒ |

**Discussion:**

a. The Project site is located within Edwards AFB. The nearest established community is Mojave, which is located five miles north of the Project site. The proposed solar facility would not physically divide or restrict access to Mojave or any other community. Therefore, the Project would have no impacts related to the physical division of an established community, and further analysis is not warranted.

b. The solar facility would be located within Edwards AFB and is not subject to Kern County land use and zoning requirements. As a result, the solar facility is not under the jurisdiction of the Kern County General Plan, any specific plans, or the zoning ordinance. Therefore, the solar facility would not conflict with any applicable plans. However, the proposed 230 kV gen-tie line would traverse publicly and privately-owned land to connect the solar facility to the Windhub and Westwind Substations. The gen-tie line would traverse areas under the jurisdiction of the Kern County General Plan, Mojave Specific Plan, Soledad Mountain-Elephant Butte Specific Plan, West Edwards Road Settlement Specific Plan, and Actis Interim Rural Community Plan. Although it is anticipated that the gen-tie line would not conflict with these plans and impacts would be less than significant, this will be analyzed further in the EIS/EIR.

c. The Project site is not located within the boundaries of any habitat conservation plan or natural community conservation plan; therefore, no impact would occur and no further analysis is warranted.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **MINERAL RESOURCES.** Would the project: | | | | |
| a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | ☐ | ☐ | ☒ | ☐ |
| b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | ☐ | ☐ | ☒ | ☐ |

**Discussion:**

a. This Project site is not located in any designated resource area. Numerous mining operations in Kern County extract sand and gravel, stone, gold, dimensional stone, limestone, clay, shale, gypsum, pumice, decorative rock, silica, and specialty sand. There are no known mineral resources within the Project area; therefore, the Project would not have a significant impact on future mineral development. The installation of PV panels on the site would not preclude future on-site mineral resource development, should the site be determined to contain mineral resources in the future. However, impacts will be further discussed in the EIS/EIR.

b. The Project site contains no locally important mineral resource recovery sites delineated in the Kern County General Plan, Mojave Specific Plan, Soledad Mountain-Elephant Butte Specific Plan, West Edwards Road Settlement Specific Plan, and Actis Interim Rural Community Plan. The installation of PV panels on the site would not preclude future on-site mineral resource development, should the site be determined to contain mineral resources in the future. However, impacts will be further discussed in the EIS/EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **NOISE.** Would the project result in: | | | | |
| a. Exposure of persons to, or generate, noise levels in excess of standards established in the local general plan or noise ordinance or applicable standards of other agencies? | ☒ | ☐ | ☐ | ☐ |
| b. Exposure of persons to, or generate, excessive groundborne vibration or groundborne noise levels? | ☒ | ☐ | ☐ | ☐ |
| c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? | ☐ | ☐ | ☒ | ☐ |
| d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? | ☒ | ☐ | ☐ | ☐ |
| e. For a project located within the Kern County Airport Land Use Compatibility Plan, would the project expose people residing or working in the project area to excessive noise levels? | ☒ | ☐ | ☐ | ☐ |
| f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels? | ☐ | ☐ | ☐ | ☒ |

**Discussion:**

a. Land uses determined to be "sensitive" to noise as defined by the Kern County General Plan include residential areas, schools, convalescent and acute care hospitals, parks and recreational areas, and churches. The Project site is located on Edwards AFB where loud noises related to aircraft and testing regularly occur. The nearest residence is located on Trotter Avenue, approximately 200 feet from the site boundary. Project construction has the potential to result in increased noise levels during the approximate 12 to 48-month construction period that may exceed local noise standards. This issue will be evaluated in the EIS/EIR.

b. Ground-borne vibration and ground-borne noise could originate from earth movement during the construction phase of the Project. Significant vibration is typically associated with activities such as blasting or the use of pile drivers. Blasting would not be required during Project construction; however, pile drivers may be used. Project construction has the potential to result in exposure persons to excessive ground-borne vibration or ground-borne noise level during the approximate 12 to 48-month construction period that may exceed local noise standards. This issue will be evaluated in the EIS/EIR.

c. Operation of the Project would not generate substantial noise increases above ambient conditions. The Project site is located on Edwards AFB where loud noises related to aircraft and testing regularly occur. The solar facility would require up to 10 personnel during operations. Traffic on the solar facility access roads would be for routine access and maintenance activities and would primarily consist of personal vehicles. Therefore, the majority of operations would not produce noise discernable above ambient conditions. This impact would be less than significant and no further analysis is warranted in the EIS/EIR.

d. Heavy equipment used during construction would cause a temporary or periodic increase in ambient noise levels. The Project would also introduce temporary or periodic increases in ambient noise levels during the operational phase from general maintenance vehicles. Large heavy-haul transport equipment may be brought to the site, as needed, for equipment repair or replacement. However, the Project site is located on Edwards AFB where loud noises related to aircraft and testing regularly occur. Nevertheless, Project construction has the potential to expose nearby residences to increased noise levels that may exceed local noise standards during the approximate 12 to 48-month construction period. Therefore, this issue will be evaluated in the EIS/EIR.

e. The Project site is located on Edwards AFB, which is a military aviation installation identified in the Kern County Airport Land Use Compatibility Plan. Also, a portion of the gen-tie line may be constructed within the Mojave Air and Space Port Airport Influence Area (Zones D, E1 and E2). The proposed solar facility does not involve the construction of residences. However, up to 10 employees would work at the proposed solar facility. Therefore, the Project has the potential to expose people working on the Project to excessive noise levels. This issue will be evaluated in the EIS/EIR.

f. The Project site is not located in the vicinity of a private airstrip. Therefore, no impact would occur and no further analysis is warranted.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **POPULATION AND HOUSING.** Would the project: | | | | |
| a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? | ☐ | ☐ | ☐ | ☒ |
| b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere? | ☐ | ☐ | ☐ | ☒ |
| c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere? | ☐ | ☐ | ☐ | ☒ |

**Discussion:**

a. The proposed solar facility would require employing as many as 1,250 temporary construction workers. Construction workers are expected to travel to the site from various locations throughout Southern California; however, most would likely come from the existing labor pool in the general vicinity of the Project site. The number of workers anticipated to relocate to the surrounding area is not expected to be substantial. If temporary housing should be necessary, it is expected that accommodations would be available in the nearby communities of California City, Rosamond, Mojave, Tehachapi, or Lancaster. Therefore, the development of the Project would not directly or indirectly induce the development of any new housing or businesses. Operation of the Project would require up to 10 on-site staff. Existing housing stock would accommodate operations personnel should they relocate to the area.

Typically, established local thresholds of significance for housing and population growth pursuant to the *CEQA Guidelines*, Section 15064.7, include effects that would induce substantial growth or concentration of a population beyond County projections; alter the location, distribution, density, or growth rate of the population beyond that projected in the Kern County General Plan Housing Element; result in a substantial increase in demand for additional housing; or create a development that significantly reduces the ability of the County to meet housing objectives set forth in the housing element. The proposed solar facility would not result in the need for an increase in housing or impact Kern County's housing objectives in accordance with the housing element allocation plan. Impacts would not occur.

Although the Project would produce additional electricity, it is intended to meet the demand for energy that is already projected based on growth in communities around California. As such, the generation of electricity by the Project would be considered growth-accommodating, rather than growth-inducing. In addition, state law requires utility companies to produce a certain percentage of electricity from

green or renewable sources. Solar electricity is considered a renewable product and would help the utility companies meet this new state law.

The Project's electricity would replace electricity generated by fossil fuels, thereby contributing to California's renewable energy goals, and would not contribute to induced growth. No significant impacts related to population growth are expected from the Project, and further analysis of this issue is not warranted in the EIS/EIR.

b., c. The Project would be sited on lands that are currently undeveloped. No residences would be condemned and no people would be displaced by this Project. No impacts are expected and no further analysis is warranted.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **PUBLIC SERVICES.** Would the project: | | | | |
| a. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or to other performance objectives for any of the public services: | | | | |
| i) Fire protection? | ☒ | ☐ | ☐ | ☐ |
| ii) Police protection? | ☒ | ☐ | ☐ | ☐ |
| iii) Schools? | ☐ | ☐ | ☐ | ☒ |
| iv) Parks? | ☐ | ☐ | ☐ | ☒ |
| v) Other public facilities? | ☐ | ☐ | ☒ | ☐ |

**Discussion:**

a.i. **Fire Protection.** Fire suppression and emergency medical services would be provided in the Project area by the Kern County Fire Department (KCFD). The Project site would be served by Kern County Fire Station #14, located at 1953 State Highway 58 in the community of Mojave, approximately 4.5 miles north of the proposed solar facility site. Adherence to all applicable regulations would reduce wildfire ignitions and prevent the spread of wildfires. Construction and operation activities may result in increased need for fire-fighting personnel and facilities in the area. Therefore, the potential impact on fire services from construction in a Local Responsibility Area and operation of the solar facility is potentially significant and will be evaluated in the EIS/EIR.

a.ii. **Police Protection.** Police protection services in the Project area are provided by the Kern County Sheriff's Department. The Project site would be served by the Mojave substation, located at 1771 State Highway 58, approximately 5.7 miles north of the solar facility site. Although the potential is low, the Project may attract vandals or other security risks, and construction activities could result in increases in traffic volumes along surrounding roads. On-site security would be provided and access to the areas surrounding the Project site would be limited during construction and operation, thereby minimizing the need for police surveillance. Nonetheless, the Project's impacts on sheriff services are potentially significant and will be evaluated in the EIS/EIR.

a.iii. **Schools.** Most Project-related construction workers would likely live in the Project area and commute to the site from surrounding communities where their children are already enrolled in school, and where

their contribution to local taxes funds the schooling of their children. Even if these workers came from out of the area, they would likely return to their out-of-town residences once the facilities were built and would not take their children out of their current schooling situation to relocate to the Project area. Therefore, substantial temporary increases in population that would adversely affect local school populations are not expected. Likewise, the up to 10 employees who would operate the Project are not expected to generate a permanent increase in population that would impact school populations. Therefore, no significant impacts to schools are anticipated to occur, and further analysis of this issue is not warranted in the EIS/EIR.

a.iv. **Parks.** The population increase that would be experienced during the construction phase of the Project would be temporary and would not result in additional demand for park facilities. Operations personnel would include up to 10 employees. Therefore, no significant impacts to parks are anticipated to occur, and further analysis of this issue is not warranted in the EIS/EIR.

a.v. **Other Public Facilities.** Most Project-related construction workers would likely live in the Project area and commute to the site from surrounding communities. Therefore, substantial temporary increases in population that would adversely affect local public facilities, such as post office, courthouse, and library services, are not expected. The Project would not require the appreciable use of other public facilities—such as libraries, courts, and Kern County services—that would result in a significant impact. Once constructed, the Project would employ up to 10 full time employees. The need for the Project operator to use other services in the future (such as the Kern County services for future endeavors) is speculative. The Project would have a less-than-significant impact on other public services, and further analysis of this issue is not warranted.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **RECREATION.** Would the project: | | | | |
| a. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | ☐ | ☐ | ☐ | ☒ |
| b. Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment? | ☐ | ☐ | ☐ | ☒ |

**Discussion:**

a, b. The Project would not include new recreational facilities. The temporary increase of population during construction that might be caused by an influx of workers would be minimal. As a result, there would not be a detectable increase in the use of parks or other recreational facilities. No impacts would occur, and no further analysis is warranted.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **TRANSPORTATION AND TRAFFIC.** Would the project: | | | | |
| a. Conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit? | ☒ | ☐ | ☐ | ☐ |
| b. Conflict with an applicable congestion management program, including, but not limited to, level of service (LOS) standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways? | | | | |
| i. Metropolitan Bakersfield General Plan LOS "C" | ☐ | ☐ | ☐ | ☒ |
| ii. Kern County General Plan LOS "D" | ☐ | ☐ | ☒ | ☐ |
| c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks? | ☒ | ☐ | ☐ | ☐ |
| d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | ☒ | ☐ | ☐ | ☐ |
| e. Result in inadequate emergency access? | ☐ | ☐ | ☒ | ☐ |
| f. Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities? | ☐ | ☐ | ☐ | ☒ |

**Discussion:**

a. Project construction would rely on the local circulation system for worker commutes and the delivery of construction materials. Construction-related traffic (including construction worker trips) could conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance

of the circulation system. Operation of the Project would require up to 10 employees, who would commute to the site and are not expected to generate significant traffic. A traffic land use analysis will be prepared, and potential impacts on the local roadway system from construction-related vehicle trips will be evaluated in the EIS/EIR.

b. Construction of the Project would rely on the local circulation system for the up to 1,250 worker commutes and the delivery of construction materials. Construction-related traffic, including construction worker trips, could conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the County congestion management agency for designated roads or highways. Operation of the Project would require up to 10 employees, who would commute to the site and are not expected to generate significant traffic. A traffic analysis will be prepared, and potential impacts on the local roadway system from construction-related vehicle trips will be evaluated in the EIS/EIR.

    i. The Project site is located outside of the Metropolitan Bakersfield General Plan Area, and the level of service (LOS) standards are not applicable to this Project. Although trips generated by the Project may be distributed throughout the Metropolitan Bakersfield General Plan Area, the anticipated minimal number of trips would not affect LOS standards. Further analysis of this issue is not warranted in the EIS/EIR.

    ii. Construction of the Project would generate construction trips which could temporarily increase the daily traffic volumes on local roadways and intersections in Kern County. The employees required for operation and maintenance of the Project are expected to originate from the local area and would not result in a substantial number of trips on roadways in the metropolitan Bakersfield area or in other parts of Kern County. Therefore, the Project's impacts on Kern County's traffic/circulation system are anticipated to be less than significant; however, this issue will be further analyzed in the EIS/EIR.

c. The Project site is located on Edwards AFB, which is a military aviation installation identified within the Kern County ALUCP. Potential changes in air traffic patterns and aviation safety risks will be analyzed in the EIS/EIR.

d. Access to the Project would be from existing roads. No new design features would be introduced that would result in transportation-related hazards or safety concerns. However, the Project is located in a rural area and existing roads may not be designed to accommodate large construction equipment and construction traffic. Therefore, this issue will be further analyzed in the EIS/EIR.

e. As described above, construction of the Project would generate construction trips that could temporarily increase the daily traffic volumes on local roadways and intersections. However, emergency access would be maintained at all times, and appropriate detours would be provided. Impacts to emergency access are anticipated to be less than significant but will be further analyzed in the EIS/EIR.

f. As described above, construction of the Project would generate construction trips that could temporarily disrupt bicycle traffic on local roadways. However, due to the rural nature of the area, no bus stops or designated bicycle lanes exist on the roadways in the vicinity of the Project site. Therefore, the Project would comply with County policies, plans, and programs related to alternative transportation. Further analysis of this issue is not warranted in the EIS/EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **UTILITIES AND SERVICE SYSTEMS.** Would the project: | | | | |
| a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board? | ☐ | ☐ | ☒ | ☐ |
| b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | ☐ | ☐ | ☒ | ☐ |
| c. Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | ☐ | ☐ | ☒ | ☐ |
| d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or would new or expanded entitlements be needed? | ☒ | ☐ | ☐ | ☐ |
| e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | ☐ | ☐ | ☐ | ☒ |
| f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? | ☐ | ☐ | ☒ | ☐ |
| g. Comply with federal, state, and local statutes and regulations related to solid waste? | ☐ | ☐ | ☒ | ☐ |

**Discussion:**

a. During construction, wastewater would be contained for up to 1,250 workers within portable toilet facilities and disposed of at an approved site. The Kern County Environmental Health Services Division is responsible for monitoring the use of portable toilet facilities, and a condition of approval would require the Project operator to provide documentation of a portable toilet pumping contract.

During operation, the proposed solar facility would include a septic system to handle wastewater generated on-site; however, with a maximum of up to 10 employees, the facility is not anticipated to

generate substantial volumes of wastewater. Impacts would be less than significant; however, further analysis of this issue will be included in the EIS/EIR.

b. The Project would include the construction of a septic system. Wastewater generation during operation is not expected to be significant, as the proposed solar facility would require a relatively small number of employees. The facilities' low demand for water and limited production of wastewater would not require the construction or expansion of water or wastewater treatment facilities. This impact would be less than significant; however, further analysis will be included in the EIS/EIR.

c. The proposed solar panels would create impervious surfaces and would require imported water for dust suppression during construction and the washing of panels. However, these changes are not anticipated to substantially increase the amount of stormwater runoff. The Project area does not rely on constructed stormwater drainage systems. As previously stated, the pattern and concentration of runoff could be altered by Project activities, such as grading of the site and roads, and must comply with the National Pollutant Discharge Elimination System (NPDES) through a Stormwater Pollution Prevention Plan (SWPPP) or other means to contain water on-site during construction. It is not anticipated that the amount of runoff across the Project site would be substantially altered. Therefore, the Project is not expected to overwhelm existing stormwater drainage systems or create substantial additional sources of polluted runoff. However, further analysis of this issue will be included in the EIS/EIR.

d. It is anticipated that up to 1,000 acre-feet per year of water would be required during the construction phase for concrete manufacturing, dust control, and sanitary use. To the extent available, tertiary treated water would be used for non-potable uses from the Rosamond Community Services District, or would be trucked to the site. Project operations would require up to 27 acre-feet of water per year that would be purchased from the Rosamond Community Services District or would be trucked to the site. Impacts related to water use would be potentially significant, and further analysis of this issue will be included in the EIS/EIR.

e. The Project would include construction of a septic system and all wastewater would be handled on-site. Therefore, no impacts to any existing wastewater treatment facilities would occur, and further analysis of this issue is not warranted in the EIS/EIR.

f. The Project is not expected to generate a significant amount of waste that would exceed the capacity of local landfills. Materials brought to the Project site would be used to construct facilities, and few residual materials are expected. Non-hazardous construction refuse and solid waste would be either collected and recycled or disposed of at a local landfill, while any hazardous waste generated during construction would be disposed of at an approved location. It is not anticipated that the amount of solid waste generated by the Project would exceed the capacity of local landfills. Impacts are anticipated to be less than significant; however, further analysis of this issue will be included in the EIS/EIR.

g. The Project would generate solid waste during construction and operation, thus requiring the consideration of waste reduction and recycling measures. The 1989 California Integrated Waste Management Act (AB 939) requires Kern County to attain specific waste diversion goals. In addition, the California Solid Waste Reuse and Recycling Access Act of 1991, as amended, requires expanded or new development projects to incorporate storage areas for recycling bins. The Project would comply with the 1989 California Integrated Waste Management Act and the 1991 California Solid Waste Reuse and Recycling Access Act of 1991, as amended. Therefore, impacts are anticipated to be less than significant; however, further analysis of this issue will be included in the EIS/EIR.

| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| **MANDATORY FINDINGS OF SIGNIFICANCE** | | | | |
| a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory? | ☒ | ☐ | ☐ | ☐ |
| b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? | ☒ | ☐ | ☐ | ☐ |
| c. Does the project have environmental effects which would cause substantial adverse effects on human beings, either directly or indirectly? | ☒ | ☐ | ☐ | ☐ |

**Discussion:**

a. The EIS/EIR's biological and cultural resources sections will discuss specific Project impacts on plants and wildlife and historical resources. The document will also evaluate the Project's contribution to cumulative resource impacts and propose mitigation that is designed to reduce the impacts to less-than-significant levels, where feasible.

b. The Project has the potential to cumulatively contribute to aesthetics, air quality, biological resources, cultural resources, geology, greenhouse gas emissions, hydrology, land use, mineral resources, noise, public services, and traffic/transportation impacts. The EIS/EIR will evaluate the Project's contribution to cumulative impacts in these and other resource areas.

c. Although there may be significant air quality impacts during construction, the long-term air quality impacts could be beneficial if fossil fuel use is reduced. The Project's short-term cumulative contribution to air quality impacts will be evaluated in the EIS/EIR.

# A2. USFWS Biological Opinion

# United States Department of the Interior

FISH AND WILDLIFE SERVICE
Ventura Fish and Wildlife Office
2493 Portola Road, Suite B
Ventura, California 93003

IN REPLY REFER TO:
08EVEN00-2014-F-0123

March 11, 2014

412 CE/CL
James E. Judkins
Base Civil Engineer
225 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Subject: Biological Opinion for Operations and Activities at Edwards Air Force Base, California (8-8-14-F-14)

Dear Mr. Judkins:

This document transmits the U.S. Fish and Wildlife Service's (Service) biological opinion regarding the effects on the federally threatened desert tortoise (*Gopherus agassizii*) and its critical habitat, in accordance with section 7 of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.), of all identified existing and future similar actions that are likely to occur on Edwards Air Force Base. This document also describes the criteria by which the U.S. Air Force will determine whether its actions are likely to adversely affect the desert tortoise or its critical habitat and our concurrence with actions that are undertaken within the framework of these criteria. We received your request for formal consultation on February 22, 2008.

This biological opinion is based on information which accompanied your request for consultation, conversations and correspondence with Edwards Air Force Base staff, and information contained in our files. A complete record of this consultation can be made available at the Ventura Fish and Wildlife Office.

**Consultation History**

Since 1990, the Air Force and Service have consulted formally on the effects of Air Force actions on the desert tortoise and its critical habitat 49 times; we have consulted informally on other actions. To date, we have completed consultations on a wide range of activities and uses, including recreational activities, construction and maintenance of infrastructure, remediation of contaminated sites, black box projects, and disposal of unstable rocket fuel. Prior to the initiation of formal consultation, staff from the Air Force and Service discussed the basic concepts of this base-wide consultation informally on several occasions.

On January 30, 2014, the Service (2014) provided the Air Force with a draft biological opinion. The Air Force (2014b) provided comments on the draft biological opinion on March 4, 2014; we have incorporated the Air Force's comments into this biological opinion, as appropriate.

ADMINISTRATION OF THE CONSULTATION

Future actions that may affect the desert tortoise or its critical habitat at Edwards Air Force Base will be evaluated in the following manner. The Environmental Management Office at Edwards Air Force Base will review all discretionary actions that the Air Force proposes on Edwards Air Force Base. Based on the nature of the activity, its potential to adversely affect desert tortoises or their critical habitat, and any measures that can be implemented to avoid or minimize the effect, the Air Force will determine whether the action will not affect, is not likely to adversely affect, or is likely to adversely affect the desert tortoise or its critical habitat.

The Air Force will maintain a record of all its activities that undergo this evaluation. For actions that do not affect or are not likely to adversely affect the desert tortoise or its critical habitat, the Air Force will include in its record:

1. The title of the action;
2. A description of the proposed action;
3. Location;
4. Size; and
5. The rationale that it used to reach its determination regarding effects to the desert tortoise or its critical habitat.

For actions that are likely to adversely affect the desert tortoise or its critical habitat, the Air Force will include in its record:

1. The title of the action;
2. A description of the proposed action;
3. Location;
4. Size;
5. The number of desert tortoises that are killed, injured, and moved from harm's way;
6. The amount of habitat disturbed or lost, with a notation as to whether the affected area was designated critical habitat;
7. A listed of authorized biologists who worked on actions covered by this consultation in the reporting year; and
8. A brief but comprehensive discussion of whether the protective measures were effective. If the measures were not effective, the Air Force will explain why the measures did not function as expected and recommendations for implementing more effective measures.

In past consultations with the Air Force, the Service has authorized biologists to implement protective measures and handle desert tortoises on a project-by-project basis. Upon completion of this consultation, the Air Force will not request such authorization on a project-by-project basis. From this point, any person that is approved by the Service to undertake the duties of an authorized biologist for actions proposed by the Air Force that are covered by this biological

opinion may also perform those duties on future actions. If the Air Force determines that an authorized biologist is not performing his or her duties in a satisfactory manner, the Air Force will notify the Service at the earliest possible time it makes this determination.

The Service and Air Force agree that some actions may be proposed in the future that may result in effects beyond the scope of those considered in this biological opinion. In the case of such actions, the Air Force and Service will discuss whether this biological opinion sufficiently considered effects to the desert tortoise and its critical habitat in light of the proposed action and whether re-initiation of formal consultation or initiation of a separate consultation is appropriate.

If staff from the Service and Air Force cannot agree on a course of action after discussions on this or other issues, any disagreement will be elevated to the Ventura Fish and Wildlife Office's Assistant Field Supervisor and the Air Force Civil Engineer Director and/or Environmental Management Division Chief for resolution. If further elevation is required, the Field Supervisor of the Ventura Fish and Wildlife Office and the Installation Commander of Edwards Air Force Base will be contacted to resolve the issue. Although the elevation of issues is likely to be an infrequent occurrence, the Air Force and Service consider this procedure to be a useful tool to maintain efficient processes and a healthy working relationship between our agencies.

The Air Force will provide the Service with an annual report of the activities that it conducts under the auspices of this consultation. The annual report will include the information that the Air Force will maintain in its records for any activity it determined was likely to adversely affect the desert tortoise or its critical habitat, as described in this section. The annual report will be provided to the Service by January 31 of each year this biological opinion is in effect.

The annual report will also contain information on conservation activities that the Air Force undertook in the previous year. Such activities may include, but are not limited to, acquisition of land through the Readiness and Environmental Preparedness Initiative, results of research on desert tortoises conducted or funded by the Air Force, and the results of relevant research conducted under the Air Force's Small Business Initiative.

The Ventura Fish and Wildlife Office's Assistant Field Supervisor, the Air Force Civil Engineer Director and/or Environmental Management Division Chief, and appropriate staff will meet annually to review how this consultation is functioning and to discuss any potentially important events in the upcoming year. This meeting could be held in conjunction with the quarterly meeting of the Desert Managers Group that occurs nearest the time the annual report is due. If the Service and Air Force agree that such a meeting is unnecessary in any given year, the meeting may be cancelled.

**Criteria for Use in Reaching Appropriate Determinations**

The Air Force will use the following outline to determine the appropriate level of consultation required for each proposed action.

1) Projects in which any effects would occur outside of desert tortoise habitat would have no effect on the species; the Air Force will document its determinations in these situations for its own records but would not need to contact the Ventura Fish and Wildlife Office. If the Air Force requires technical assistance from the Service to determine if suitable habitat for desert tortoises would be affected, it should contact us by phone or electronic mail.

2) If the following criteria are met, a determination of not likely to adversely affect the desert tortoise would be appropriate:

   a) The project is within habitat of the desert tortoise;

   b) Desert tortoise habitat is present, but degraded or disturbed, in the project area. For the purposes of this consultation, the Air Force and Service consider degraded habitat to be that habitat which has been affected by previous activities. Degraded habitat will generally exhibit a lower diversity and density of native shrubs and disrupted substrates than undisturbed habitat. The Air Force and Service may consider certain washes to be disturbed habitat; the fundamental guidance in such areas is that the evidence of the maintenance activity would no longer be visible after an event where water flows in the wash. The loss or disturbance of a minor amount of undisturbed habitat may also be considered as being not likely to adversely affect the species, when considered with regard to its distribution in the action area; and

   c) Neither desert tortoises nor their diagnostic sign are observed during surveys or a habitat assessment.

   In cases where a determination is not entirely clear from a verbal description, the Air Force will provide the Service with a photograph (aerial or otherwise, as appropriate) of the project site to assist in its determination.

3) If the following criteria are met, a determination of not likely to adversely affect critical habitat for the desert tortoise would be appropriate:

   a) The project is within designated critical habitat, but the primary constituent elements of desert tortoise critical habitat are not present;

   b) The primary constituent elements would not be affected by the proposed project; or

   c) Effects to the primary constituent elements would be so minor that they are not substantially measurable when considered within the context of the critical habitat unit. Such effects may occur, for example, when a narrow strip of land supporting the primary constituent elements of critical habitat at the edge of an existing road may be affected by an action.

# BIOLOGICAL OPINION

## DESCRIPTION OF THE PROPOSED ACTION

The Air Force requested consultation on a variety of mission support actions, including recurring and predicted new projects and future unknown projects. For this biological opinion, we worked with the Air Force to assess the threats to desert tortoises and their critical habitat associated with each type of proposed activity. Future actions under the control of the Air Force are expected to cause impacts that are similar to those discussed in the biological evaluation. The following table lists the Air Force's activities and notes the general manner by which the activity would affect the desert tortoise and its critical habitat (e.g., ground disturbance, use of roads, etc.). We will then consider more specifically the nature of these effects on the desert tortoise and its critical habitat and the measures that the Air Force has proposed to avoid, reduce, or minimize these effects. The biological evaluation contains a more detailed description of its proposed activities (Air Force 2008a).

**Table 1 - Threats and Associated Activities of Proposed Actioin**

| | | Driving off-road | Driving on road | Ground Disturbance | Explosions (potential for fire) | Non-native Plants | Common Ravens | Moving desert tortoise from harm | Personnel on Foot | Habitat Conversion |
|---|---|---|---|---|---|---|---|---|---|---|
| Range Flight Operations | Desert tortoise | N | Y | Y | Y | N | N | N | N | N |
| | Critical Habitat | N | Y | Y | Y | N | N | N | N | N |
| Airfield Flight Operations | Desert tortoise | N | N | N | N | N | N | N | N | N |
| | Critical Habitat | N/A | | | | | | | | |
| Range Ground Operations | Desert tortoise | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| | Critical Habitat | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Directed Energy Operations | Desert tortoise | N | Y | N | Y | N | N | N | Y | N |
| | Critical Habitat | N | Y | N | Y | N | N | N | Y | N |
| Ordnance Expenditures | Desert tortoise | Y | Y | Y | y | N | N | Y | Y | N |
| | Critical Habitat | Y | Y | Y | Y | N | N | Y | Y | N |
| Energetic Material Expenditures | Desert tortoise | N | Y | N | y | N | N | Y | Y | N |
| | Critical Habitat | N | Y | N | Y | N | N | Y | Y | N |
| Native American Uses | Desert tortoise | N | Y | N | N | N | N | N | N | N |
| | Critical Habitat | N | Y | N | N | N | N | N | N | N |
| Research and Education | Desert tortoise | N | Y | N | N | N | N | Y | Y | N |
| | Critical Habitat | N | Y | N | N | N | N | Y | Y | N |
| Recreation | Desert tortoise | Y | Y | N | N | N | N | Y | Y | N |
| | Critical Habitat | N/A | | | | | | | | |
| Feral Grazing Management | Desert tortoise | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | Critical Habitat | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Monitoring | Desert tortoise | Y | N | Y | N | N | Y | Y | Y | Y |
| | Critical Habitat | Y | N | Y | N | N | Y | Y | Y | Y |
| Inventories/Surveys | Desert tortoise | Y | N | Y | N | Y | Y | N | Y | N |
| | Critical Habitat | Y | N | Y | N | Y | Y | N | Y | N |
| Utility Maintenance | Desert tortoise | Y | Y | Y | Y | N | N | Y | Y | N |
| | Critical Habitat | Y | Y | Y | Y | N | N | Y | Y | Y |
| Fire Management | Desert tortoise | Y | Y | Y | N | N | N | Y | Y | N |
| | Critical Habitat | Y | Y | Y | N | N | N | Y | Y | Y |
| Future Development | Desert tortoise | Y | Y | Y | N | Y | Y | Y | Y | Y |
| | Critical Habitat | Y | Y | Y | Y | Y | Y | Y | Y | Y |

Y = Associated activity may affect the desert tortoise or its critical habitat in this manner. (Activities would affect critical habitat and habitat not designated as critical in the same basic manner; however, we do not consider effects to non-critical habitat in assessing whether a proposed action is likely to destroy or adversely modify critical habitat.)

N = Associated activity does not affect the desert tortoise or its critical habitat.

N/A = Associated activity does not occur in area of concern (desert tortoise habitat or critical habitat).

The Air Force anticipates that it may need 20,000 acres for future development of solar facilities, infrastructure, and mission activities and operations. The Air Force estimates that up to 5,000 acres of new disturbance may occur within critical habitat and 15,000 acres may occur outside of critical habitat. The Air Force would manage desert tortoises during the course of future development by following its integrated natural resources management plan.

The construction and operation of the Oro Verde Solar Project would occur within the boundaries of Edwards Air Force Base; this solar plant would require an interconnecting power line (gen-tie line) to the Windhub Substation, which lies to the northwest of base. For this reason, the Air Force requested that the Service also consider the effects of the construction and operation of the gen-tie line on the desert tortoise in this biological opinion. (The gen-tie line would not affect critical habitat; the nearest critical habitat for the desert tortoise is approximately 20 miles to the east of the easternmost portion of the gen-tie line.) The method used to construct the gen-tie line would occur in a manner similar to how the Air Force (or service companies operating within the base) would maintain utilities, although the impacts of construction would be more intense than would occur during maintenance.

To ensure that its activities do not result in numerous injuries to or mortalities of desert tortoises, the Air Force has proposed a set of thresholds that, if reached, will prompt additional action on its part to protect desert tortoises (Reinke 2009, Mull 2013a). If a desert tortoise is injured or killed in a calendar year, the Air Force will retrain those individuals that were responsible for implementing the activity, determine how to avoid future injuries or mortalities, and implement appropriate measures to reduce the number of future injuries or mortalities. The Air Force will also determine the root cause of the activities that resulted in the injury or mortality, determine appropriate measures to reduce, to the maximum extent possible, future injury or mortality, and obtain the Service's concurrence on implementation of the measures. Finally, the Air Force has proposed to re-initiate formal consultation if five desert tortoises are killed or injured in a calendar year.

The Air Force has also proposed to re-initiate formal consultation if the amount of desert tortoise habitat disturbed by its activities reaches 15,000 acres in the portion of Edwards Air Force Base that is outside of the boundaries of critical habitat. For the portion of the base within the boundaries of critical habitat, the Air Force has proposed to re-initiate formal consultation if the amount of desert tortoise habitat disturbed by its activities reaches 5,000 acres. The Air Force has been restoring lands disturbed by its activities so that these areas can support their ecological functions; the Air Force has also proposed to evaluate the effectiveness of its restoration activities and to subtract the acreage of restored habitat from the acreage of disturbed habitat as it monitors the activities it conducts under the auspices of this consultation. For example, if, in any given year, the Air Force disturbs 10 acres during its activities and restores 3 acres, the cumulative loss of habitat for the year would be 7 acres. For the purposes of tracking whether re-initiation is required, the Air Force will track the amount of habitat disturbed and restored upon completion of this biological opinion. Previously disturbed areas are not considered to be desert tortoise habitat for the purpose of tracking habitat loss; for example, any disturbance within the bed of an unpaved road would not be considered disturbance of desert tortoise habitat

because the biological and physical attributes of habitat are generally absent from such disturbed areas.

Adaptive Management Strategy

The Air Force has proposed three primary goals for its adaptive management strategy: 1) ensure that mission-related activities are conducted in compliance with Federal and State natural resource and other environmental legislation; 2) assess and monitor populations of listed, proposed, and sensitive species and general habitat conditions over time; and 3) ensure the long-term viability of desert tortoise populations within the Fremont-Kramer Desert Wildlife Management Area, while fully supporting the military mission at Edwards Air Force Base (Air Force 2008a). These goals apply to the annual and 5-year revisions of Edwards Air Force Base's integrated natural resources management plans.

Protective Measures

The Air Force has implemented a set of standardized minimization measures derived from numerous biological opinions to protect desert tortoises and conserve their habitat. These measures are applied selectively through the National Environmental Policy Act process via the Air Force Environmental Impact Analysis Process for each ground-disturbing action. The Air Force will continue implementing these minimization measures in the future as new types of projects occur in new areas that are expected to have similar impacts from mission activities.

a. Desert tortoises will be handled in full accordance with all applicable provisions and regulations of the Endangered Species Act. The phrases "authorized biologist" and "desert tortoise monitor", as used in this section are taken from the most up-to-date Service guidance (Service 2010a) and defined as follows:

    1. Authorized biologists must have thorough and current knowledge of desert tortoise behavior, natural history, ecology, and physiology, and demonstrate substantial field experience and training to safely and successfully conduct their required duties. Authorized biologists are approved to monitor project activities within desert tortoise habitat and are responsible for locating desert tortoises and their sign (i.e., conduct clearance surveys). Authorized biologists must ensure proper implementation of protective measures, and make certain that the effects of the project on the desert tortoise and its habitat are minimized in accordance with a biological opinion or incidental take permit. All incidents of noncompliance in accordance with the biological opinion or permit must be recorded and reported.

    2. Desert tortoise monitors will be approved by the authorized biologist to monitor project activities within desert tortoise habitat, ensure proper implementation of protective measures, and record and report desert tortoise and sign observations in accordance with approved protocol. They will report incidents of noncompliance in accordance with a biological opinion or permit, move desert tortoises from harm's way when desert tortoises enter project sites and place these animals in "safe areas"

pre-selected by authorized biologists or maintain the desert tortoises in their immediate possession until an authorized biologist assumes care of the animal. Desert tortoise monitors assist authorized biologists during surveys and serve as "apprentices" to acquire experience. Monitors should not conduct clearance surveys or other specialized duties of the authorized biologist unless directly supervised by an authorized biologist; "directly supervised" means the authorized biologist has direct voice and sight contact with the monitor. The desert tortoise monitor may directly supervise other personnel to assist with surveying for desert tortoises when deemed necessary.

3. None of the proposed measures will prohibit any individual from handling a desert tortoise when necessary to protect the safety or health of the animal.

b. Authorized biologists are the only individuals approved to handle desert tortoises on base. The Service's standardized form will be used for individuals to work on specific projects to verify the capabilities and experience of the potential desert tortoise biologist.

c. All base personnel (including contractors, civilian, and military employees) will be provided, at a minimum, a description of the desert tortoise, its status, and measures to minimize impacts. The material may also include the use of a multimedia presentation (videotape and printed material).

d. To the maximum extent practicable, activities will be sited to avoid effects to desert tortoises and their habitat.

e. Personnel will immediately report sightings of desert tortoises or sign found in the project area to the authorized biologist, desert tortoise monitor, or the Environmental Management Office.

f. Pre-activity surveys will be conducted, where deemed necessary, in project areas prior to ground-disturbing activities.

g. The project work areas will be fenced, flagged, or marked to define the limit of project activities.

h. Vehicles will generally remain on previously established roads and within staging areas and follow flagged off road routes that have been surveyed or cleared of desert tortoises. When driving off road, operators will minimize disturbance to vegetation and not exceed 10 miles per hour. All personnel will inspect under vehicles for desert tortoises prior to operating them in desert tortoise habitat.

i. Open excavations will be checked three times a day and authorized personnel will remove any trapped animals. Open excavations will be covered, backfilled, or fenced at the end of each workday. At the ends of a ditch or trench, a 3:1 slope will be created to allow wildlife to exit should they become trapped in the ditch or trench. All open excavations that are left unattended will be fenced, unless other methods of excluding desert tortoises are employed.

j. Any pipes left or stored on the ground in the project area will be capped on the ends to prevent entry by desert tortoises or other wildlife.

k. Parking and staging areas will be restricted to previously disturbed areas as much as possible.

l. Acres of disturbance will be tracked to provide a basis for possible future re-vegetation and restoration efforts.

m. All trash and food items will be disposed of in common raven-proof containers, and regularly removed from project sites to reduce attraction of common ravens.

n. Project activities between dusk and dawn will be confined to areas free of vegetation and cleared of desert tortoises by authorized personnel.

o. An annual report will be submitted to the Service summarizing any injury, mortality, or handling of desert tortoises, disturbance of critical habitat, and habitat restoration.

Other Measures Implemented for Specific Activities

The following minimization measures are being implemented to aid overall management of the desert tortoise on base.

*Motorized Recreation Areas*

a. Signs will be maintained along the designated off-road vehicle area boundaries.

b. Bulletin boards displaying up-to-date rules and safety information will be placed at the main access areas at each off-road vehicle area.

c. Law Enforcement personnel will patrol the areas to ensure that riders remain within the boundaries and use existing trails.

d. All operators of motor vehicles will take desert tortoise awareness training and carry proof of training when riding.

e. Environmental Management will monitor and record habitat disturbance. Solutions to problems that may develop will be suggested by the off-road vehicle area subcommittee and implemented by the Air Force.

*Non-motorized Recreation Areas*

a. Signs, notices, and other media will be used to inform personnel that use of off-road vehicle area 3 requires desert tortoise awareness training.

b. Desert tortoises crossing trails will not be moved; bikers and joggers will wait until the desert tortoise moves off the trail.

c. Activities will occur on established trails.

d. Pets not on leashes will not be allowed in the non-motorized recreation area.

*Road Construction and Maintenance*

a. All drainage recontouring will be limited to the greatest extent possible to reduce habitat fragmentation, where practicable.

b. Maintenance of drainage ditches will not be altered to change the direction of stormwater runoff from existing conditions to avoid potential flooding of desert tortoise burrows downslope of maintenance activities to the greatest extent possible.

c. Herbicide applicators will be instructed to watch for desert tortoises on road shoulders and to take precautions, as necessary, to ensure that no desert tortoises are sprayed.

d. Fugitive dust generated during construction will be controlled with water; the amount of water used will be restricted to the minimum amount required to maintain air quality standards.

e. Water tanks and trucks will be maintained in good working order and free of leaks so common ravens will not be attracted to standing water.

f. Installation of fencing along roadways will be implemented in areas deemed hazardous to desert tortoises to prevent injury or mortality.

*Utilities*

a. Aboveground gas lines will be placed at least 18 inches aboveground when they traverse desert tortoise habitat.

b. If, at any time after installation, the height of the gas pipes above the ground has been reduced to less than 18 inches, the pipelines will either be raised or the materials causing the reduction will be removed.

c. Lands above underground utilities will be re-vegetated unless a road needs to be constructed and maintained for access and maintenance activities.

d. Roads needed for utility maintenance will be concentrated in previously established corridors when possible.

e. Underground utilities will be located adjacent to or within previously disturbed areas when possible.

*Re-vegetation*

a. Habitat restoration required under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended under the Superfund Amendments and Reauthorization Act of 1986 for mission related ground disturbance would include using techniques to control soil erosion that have been proven successful in the desert environment and will also include use of native plants and seeds in an attempt to mimic natural biodiversity.

b. Priority for re-vegetation will be given to desert tortoise critical habitat.

c. Restoration activities will be conducted in accordance with the re-vegetation plans prepared by Edwards Air Force Base (Air Force 1994; Air Force 2012) and any new scientifically proven methodology.

d. Monitoring success of efforts will be implemented for a longer period than the standard 5-year monitoring period due to slow recovery rates of re-vegetated areas in the desert.

*Management of Common Ravens*

The Air Force will implement protective measures to reduce the adverse effects associated with predation of desert tortoises by common ravens. In general, the Air Force proposes to manage common ravens by controlling the use of landfills and sewage ponds, designing facilities to discourage common raven use, minimizing or eliminating food and water subsidies, providing training to on-site personnel, monitoring the presence of common ravens and their use of subsidies, and studying common raven predation on juvenile tortoises. The biological evaluation (Air Force 2008a) and integrated natural resource management plan (Air Force 2008b) contain more detailed information on these management actions.

*Relocation of Desert Tortoises*

In the event that future development or activities would result in the clearing of a large area of suitable desert tortoise habitat, the Air Force would relocate desert tortoises from these sites to other habitat. The Air Force will monitor all translocated desert tortoises to determine the success of the relocation.

*Monitoring of the Desert Tortoise Population*

Since 1988, Environmental Management has conducted numerous surveys for desert tortoises. The Air Force monitors desert tortoise populations using data collected by researchers and consultants who conduct studies or monitor projects on base. The Air Force uses these data to update database files and various Geographic Information System databases and spreadsheets to facilitate effective management of desert tortoises on base. It will thoroughly analyze and evaluate existing data and provide an up-to-date status of the current estimated distribution,

abundance, and trends of the on-base population of desert tortoises. Currently, the density of the tortoise population on base is unknown.

*Long-Term Monitoring of Ecological Trends*

The protection, restoration, and conservation of desert habitat are an ongoing management process at Edwards Air Force Base. One key component of this process is the ability to check progress against established benchmarks and use this information to develop effective management strategies that are expected to change over time. As part of the habitat quality analysis studies initiated at Edwards Air Force Base in 1992, the Air Force established 60 long-term monitoring plots to determine baseline conditions of habitat quality and to monitor long-term trends of habitat quality and species diversity. Periodic vegetation and wildlife surveys provide the benchmarks to evaluate environmental change. Each restored area is analyzed in comparison to 3 or 4 study sites with similar habitat characteristics (Reinke 2013). Information obtained from the long-term study plots and natural restoration are also used to determine habitat stability and support the regional desert tortoise recovery effort and the goals and objectives of Edwards Air Force Base's integrated natural resources management plan (Air Force 2008b).

The primary purpose of the integrated natural resources management plan for Edwards Air Force Base is "to implement natural resource management practices that strive to maintain or enhance habitat quality of the installation's natural resources resulting in stabilizing and/or increasing the biodiversity of the desert environment" (Air Force 2008b). The Air Force intends to achieve this purpose through the goals identified in the integrated natural resources management plan, which include but are not limited to monitoring of natural resources, collection of data, management of invasive species, conservation of habitat, and increasing the environmental awareness of all base personnel. The integrated natural resources management plan calls for the meeting of these goals "... in concert with other base organizations, and their programs and plans while ensuring no net loss to the capability of the military mission' (Air Force 2008b).

## ANALYTICAL FRAMEWORK FOR THE JEOPARDY AND ADVERSE MODIFICATION DETERMINATIONS

### Jeopardy Determination

Section 7(a)(2) of the Endangered Species Act requires that Federal agencies ensure that any action they authorize, fund, or carry out is not likely to jeopardize the continued existence of listed species. "Jeopardize the continued existence of" means to engage in an action that reasonably would be expected, directly or indirectly, to reduce appreciably the likelihood of both the survival and recovery of a listed species in the wild by reducing the reproduction, numbers, or distribution of that species (50 Code of Federal Regulations 402.02).

The jeopardy analysis in this biological opinion relies on four components: (1) the Status of the Species, which describes the range-wide condition of the desert tortoise, the factors responsible for that condition, and its survival and recovery needs; (2) the Environmental Baseline, which analyzes the condition of the desert tortoise in the action area, the factors responsible for that

condition, and the relationship of the action area to the survival and recovery of the desert tortoise; (3) the Effects of the Action, which determine the direct and indirect impacts of the proposed Federal action and the effects of any interrelated or interdependent activities on the desert tortoise; and (4) the Cumulative Effects, which evaluate the effects of future, non-federal activities in the action area on the desert tortoise.

In accordance with policy and regulation, the jeopardy determination is made by evaluating the effects of the proposed federal action in the context of the current status of the desert tortoise, taking into account any cumulative effects, to determine if implementation of the proposed action is likely to cause an appreciable reduction in the likelihood of both the survival and recovery of the desert tortoise in the wild.

**Adverse Modification Determination**

Section 7(a)(2) of the Endangered Species Act requires that Federal agencies ensure that any action they authorize, fund, or carry out is not likely to result in the destruction or adverse modification of the critical habitat of listed species. This biological opinion does not rely on the regulatory definition of "destruction or adverse modification" of critical habitat at 50 Code of Federal Regulations 402.02. Instead, we have relied on the statutory provisions of the Act to complete the following analysis with respect to critical habitat.

In accordance with policy and regulation, the adverse modification analysis in this biological opinion relies on four components: (1) the Status of Critical Habitat, which describes the range-wide condition of designated critical habitat for the desert tortoise in terms of primary constituent elements, the factors responsible for that condition, and the intended recovery function of the critical habitat overall; (2) the Environmental Baseline, which analyzes the condition of the critical habitat in the action area, the factors responsible for that condition, and the recovery role of the critical habitat in the action area; (3) the Effects of the Action, which determines the direct and indirect impacts of the proposed Federal action and the effects of any interrelated and interdependent activities on the primary constituent elements and how that will influence the recovery role of the affected critical habitat units; and (4) Cumulative Effects, which evaluates the effects of future non-federal activities in the action area on the primary constituent elements and how that will influence the recovery role of affected critical habitat units.

For purposes of the adverse modification determination, the effects of the proposed Federal action on the critical habitat of the desert tortoise are evaluated in the context of the range-wide condition of the critical habitat, taking into account any cumulative effects, to determine if the critical habitat range-wide would remain functional (or would retain the current ability for the primary constituent elements to be functionally established in areas of currently unsuitable but capable habitat) to serve its intended recovery role for the desert tortoise.

STATUS OF THE DESERT TORTOISE AND CRITICAL HABITAT

**Status of the Desert Tortoise**

Section 4(c)(2) of the Act requires the Service to conduct a status review of each listed species at least once every five years. The purpose of a 5-year review is to evaluate whether or not the species' status has changed since it was listed (or since the most recent 5-year review); these reviews, at the time of their completion, provide the most up-to-date information on the range-wide status of the species. For this reason, we are appending the 5-year review of the status of the desert tortoise (Appendix 1; Service 2010b) to this biological opinion and are incorporating it by reference to provide most of the information needed for this section of the biological opinion. The following paragraphs provide a summary of the relevant information in the 5-year review.

In the 5-year review, the Service discusses the status of the desert tortoise as a single distinct population segment and provides information on the Federal Register notices that resulted in its listing and the designation of critical habitat. The Service also describes the desert tortoise's ecology, life history, spatial distribution, abundance, habitats, and the threats that led to its listing (i.e., the 5-factor analysis required by section 4(a)(1) of the Act). In the 5-year review, the Service concluded by recommending that the status of the desert tortoise as a threatened species be maintained.

With regard to the status of the desert tortoise as a distinct population segment, the Service concluded in the 5-year review that the recovery units recognized in the original and revised recovery plans (Service 1994a and 2011a, respectively) do not qualify as distinct population segments under the Service's distinct population segment policy (61 Federal Register 4722; February 7, 1996). We reached this conclusion because individuals of the listed taxon occupy habitat that is relatively continuously distributed, exhibit genetic differentiation that is consistent with isolation-by-distance in a continuous-distribution model of gene flow, and likely vary in behavioral and physiological characteristics across the area they occupy as a result of the transitional nature of, or environmental gradations between, the described subdivisions of the Mojave and Colorado deserts.

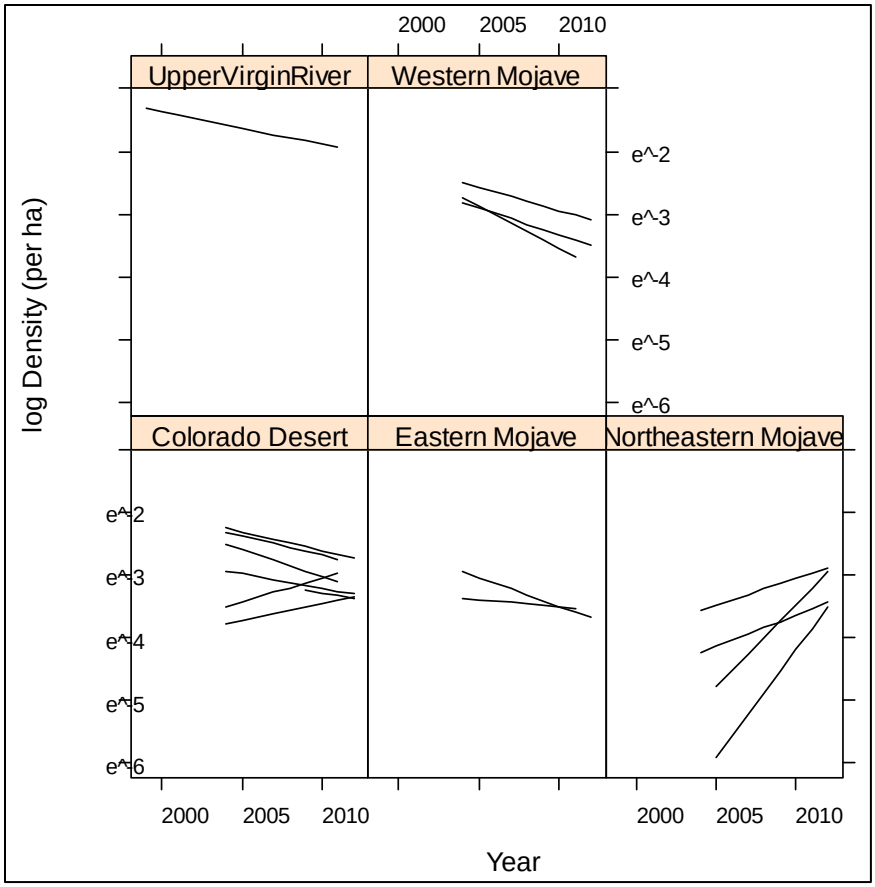
In the 5-year review, the Service summarizes information with regard to the desert tortoise's ecology and life history. Of key importance to assessing threats to the species and to developing and implementing a strategy for recovery is that desert tortoises are long lived, require up to 20 years to reach sexual maturity, and have low reproductive rates during a long period of reproductive potential. The number of eggs that a female desert tortoise can produce in a season is dependent on a variety of factors including environment, habitat, availability of forage and drinking water, and physiological condition. Predation seems to play an important role in clutch failure. Predation and environmental factors also affect the survival of hatchlings.

In the 5-year review, the Service also discusses various means by which researchers have attempted to determine the abundance of desert tortoises and the strengths and weaknesses of those methods. Due to differences in area covered and especially to the non-representative

nature of earlier sample sites, data gathered by the Service's current range-wide monitoring program cannot be reliably compared to information gathered through other means at this time.

The Service provides a summary table of the results of range-wide monitoring, initiated in 2001, in the 5-year review. This ongoing sampling effort is the first comprehensive attempt to determine the densities of desert tortoises across their range. Table 1 of the 5-year review provides a summary of data collected from 2001 through 2007; we summarize data from the 2008 through 2012 sampling efforts in subsequent reports (Service 2012a, 2012b, 2012c, 2012d).

The Service's Desert Tortoise Recovery Office (2014) used annual density estimates to compare a set of models that describe abundance patterns based on linear and quadratic response over time, spatial variation between desert tortoise conservation areas (e.g., national parks, desert wildlife management areas, the Desert Tortoise Natural Area, etc.) and recovery units, and survey team experience. The best model describing range-wide patterns in desert tortoise densities indicated different linear trends in different recovery units (see following figure); an effective training program precluded effects of surveyor experience or the lack thereof. In the original recovery plan for the desert tortoise, the Service (1994a) expected monitoring to detect increasing population trends of no more than 2 percent per year over a 25-year period. The Service has found much larger annual increases (greater than 19.7 percent) in the Northeastern Mojave Recovery Unit since 2004, with the rate of increase apparently resulting from increased survival of adults and subadults moving into the adult size class. The weight of evidence indicates that populations in the other 4 recovery units are declining: Upper Virgin River (-5.1 percent), Eastern Mojave (-5.8 percent), Western Mojave (-9.8 percent), and Colorado Desert (-2.4 percent; however, 2 desert tortoise conservation areas within this unit seem to be increasing).




Allison (2013) also evaluated changes in size distribution of desert tortoises since 2001. In the Western Mojave, Eastern Mojave, and Colorado Desert recovery units, the median size of large individuals has increased, indicating less recruitment of younger (therefore smaller) desert tortoises. In the Western Mojave and Colorado Desert recovery units, the relative number of smaller desert tortoises is about half what it was in 2001. Taken together, these trends suggest fewer small desert tortoises are reaching sexual maturity, which may be explained because they comprise a smaller proportion of the population or possibly because their survival rates are relatively lower than those of adults. Either possibility indicates that smaller size classes, like adults, are affected by ongoing threats; however, because most small desert tortoises die before reaching 180 millimeters in length, we do not know whether the reduced number of small animals has directly contributed to the observed declining trends in adults. For instance, a small increase in adult mortality would have a much larger effect on adult densities. None of these demographic rates have been measured in parallel with this study, so we cannot point to specific demographic rates that are associated with these overall population declines.

In the 5-year review, the Service provides a brief summary of habitat use by desert tortoises; more detailed information is available in the revised recovery plan (Service 2011a). In the absence of specific and recent information on the location of habitable areas of the Mojave Desert, especially at the outer edges of this area, the 5-year review also describes and relies heavily on a quantitative, spatial habitat model for the desert tortoise north and west of the Colorado River that incorporates environmental variables such as precipitation, geology,

heavily on a quantitative, spatial habitat model for the desert tortoise north and west of the Colorado River that incorporates environmental variables such as precipitation, geology, vegetation, and slope and is based on occurrence data of desert tortoises from sources spanning more than 80 years, including data from the 2001 to 2005 range-wide monitoring surveys (Nussear et al. 2009). The model predicts the probability that desert tortoises will be present in any given location; calculations of the amount of desert tortoise habitat in the 5-year review and in this biological opinion use a threshold of 0.5 or greater predicted value for potential desert tortoise habitat. The model does not account for anthropogenic effects to habitat and represents the potential for occupancy by desert tortoises absent these effects.

To begin integrating anthropogenic activities and the variable risk levels they bring to different parts of the Mojave and Colorado deserts, the Service completed an extensive review of the threats known to affect desert tortoises at the time of their listing and updated that information with more current findings in the 5-year review. The review follows the format of the five-factor analysis required by section 4(a)(1) of the Act. The Service described these threats as part of the process of its listing (55 Federal Register 12178; April 2, 1990), further discussed them in the original recovery plan (Service 1994a), and reviewed them again in the revised recovery plan (Service 2011a).

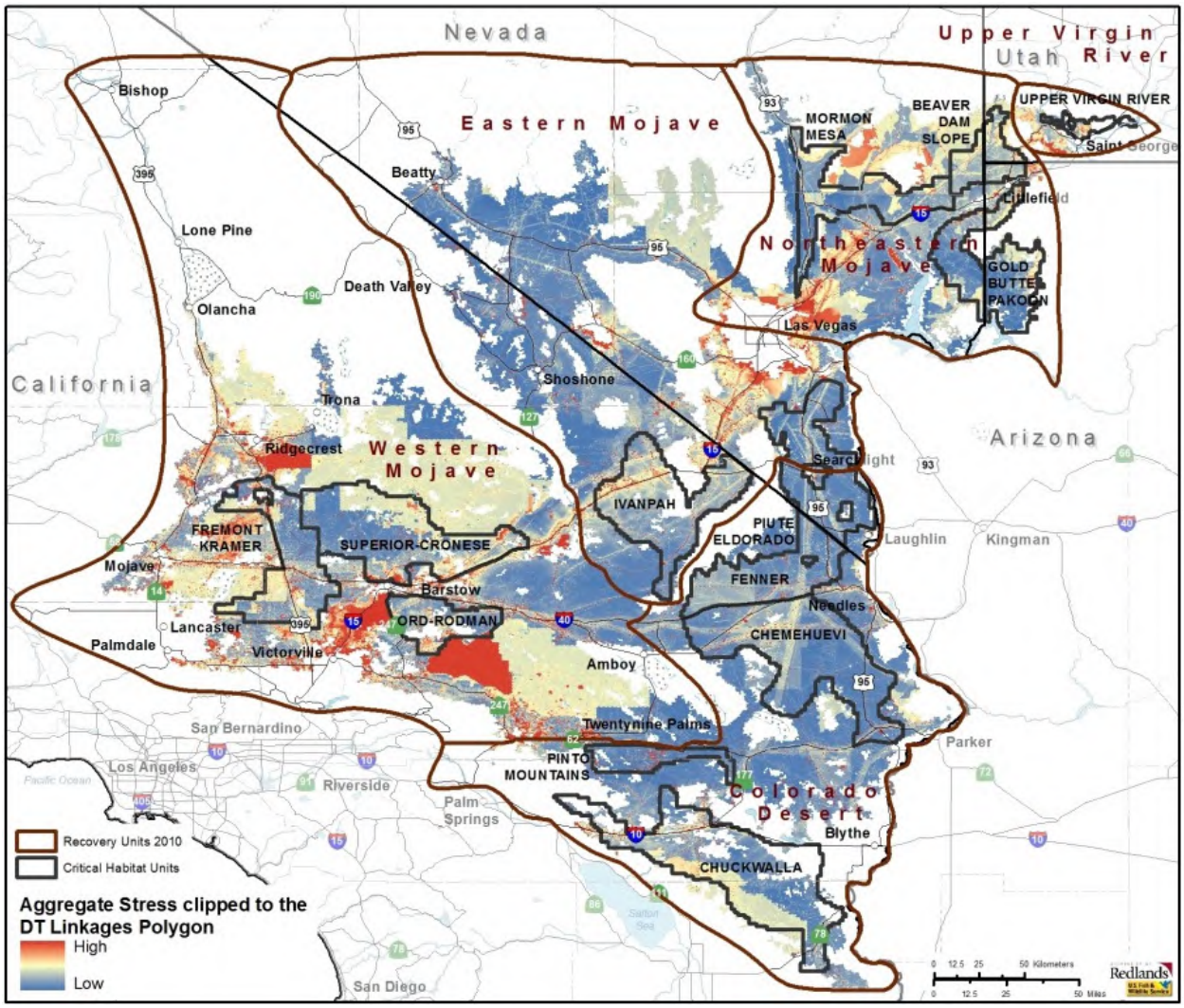
To understand better the relationship of threats to populations of desert tortoises and the most effective manner to implement recovery actions, the Desert Tortoise Recovery Office is developing a spatial decision support system that models the interrelationships of threats to desert tortoises and how those threats affect population change. The spatial decision support system describes the numerous threats that desert tortoises face, explains how these threats interact to affect individual animals and habitat, and how these effects in turn bring about changes in populations. For example, we have long known that the construction of a transmission line can result in the death of desert tortoises and loss of habitat. We have also known that common ravens, known predators of desert tortoises, use the transmission line's pylons for nesting, roosting, and perching and that the access routes associated with transmission lines provide a vector for the introduction and spread of invasive weeds and facilitate increased human access into an area. Increased human access can accelerate illegal collection and release of desert tortoises and their deliberate maiming and killing, as well as facilitate the spread of other threats associated with human presence, such as vehicle use, garbage and dumping, and invasive plants (Service 2011a). Changes in the abundance of native plants because of invasive weeds can compromise the physiological health of desert tortoises, making them more vulnerable to drought, disease, and predation. The spatial decision support system allows us to map threats across the range of the desert tortoise and model the intensity of stresses that these multiple and combined threats place on desert tortoise populations.

The threats described in the listing rule and both recovery plans continue to affect the species. Indirect impacts to desert tortoise populations and habitat occur in accessible areas that interface with human activity. Most threats to the desert tortoise or its habitat are associated with human land uses; research since 1994 has clarified many mechanisms by which these threats act on desert tortoises. As stated earlier, increases in human access can accelerate illegal collection and

release of desert tortoises and deliberate maiming and killing, as well as facilitate the spread of other threats associated with human presence, such as vehicle use, garbage and dumping, and invasive weeds.

Some of the most apparent threats to the desert tortoise are those that result in mortality and permanent habitat loss across large areas, such as urbanization and large-scale renewable energy projects, and those that fragment and degrade habitats, such as proliferation of roads and highways, off-highway vehicle activity, and habitat invasion by non-native invasive plant species. However, we remain unable to quantify how threats affect desert tortoise populations. The assessment of the original recovery plan emphasized the need for a better understanding of the implications of multiple, simultaneous threats facing desert tortoise populations and of the relative contribution of multiple threats on demographic factors (i.e., birth rate, survivorship, fecundity, and death rate; Tracy et al. 2004).

The following map depicts the 12 critical habitat units of the desert tortoise, linkages between conservation areas for the desert tortoise, and the aggregate stress that multiple, synergistic threats place on desert tortoise populations. Conservation areas include designated critical habitat, lands managed by the National Park Service, and other lands managed for the long-term conservation of the desert tortoise (e.g., the Desert Tortoise Natural Area in Kern County, California). The revised recovery plan (Service 2011a) recommended the linkages based on an analysis of least-cost pathways (i.e., areas with the highest potential to support desert tortoises) between conservation areas for the desert tortoise. This map illustrates that, across the range, desert tortoises in areas under the highest level of conservation management remain subject to numerous threats, stresses, and mortality sources.




Since the completion of the 5-year review, the Service has issued several biological opinions that affect large areas of desert tortoise habitat because of numerous proposals to develop renewable energy within its range. These biological opinions concluded that proposed solar plants were not likely to jeopardize the continued existence of the desert tortoise primarily because they were located outside of critical habitat and desert wildlife management areas that contain most of the land base required for the recovery of the species. The proposed actions also included numerous measures intended to protect desert tortoise during the construction of the projects, such as translocation of affected individuals. In aggregate, these projects would result in an overall loss of approximately 37,503 acres of habitat of the desert tortoise. We also predicted that these projects would translocate or kill up to 1,732 desert tortoises; we concluded that most of the individuals in these totals would be juveniles. To date, 372 desert tortoises have been observed during construction of projects; most of these individuals were translocated from work areas, although some desert tortoises have been killed (see appendix 2). The mitigation required by the Bureau and California Energy Commission, the agencies permitting these facilities, will result in the acquisition of private land within critical habitat and desert wildlife management areas and funding for the implementation of various actions that are intended to promote the recovery of

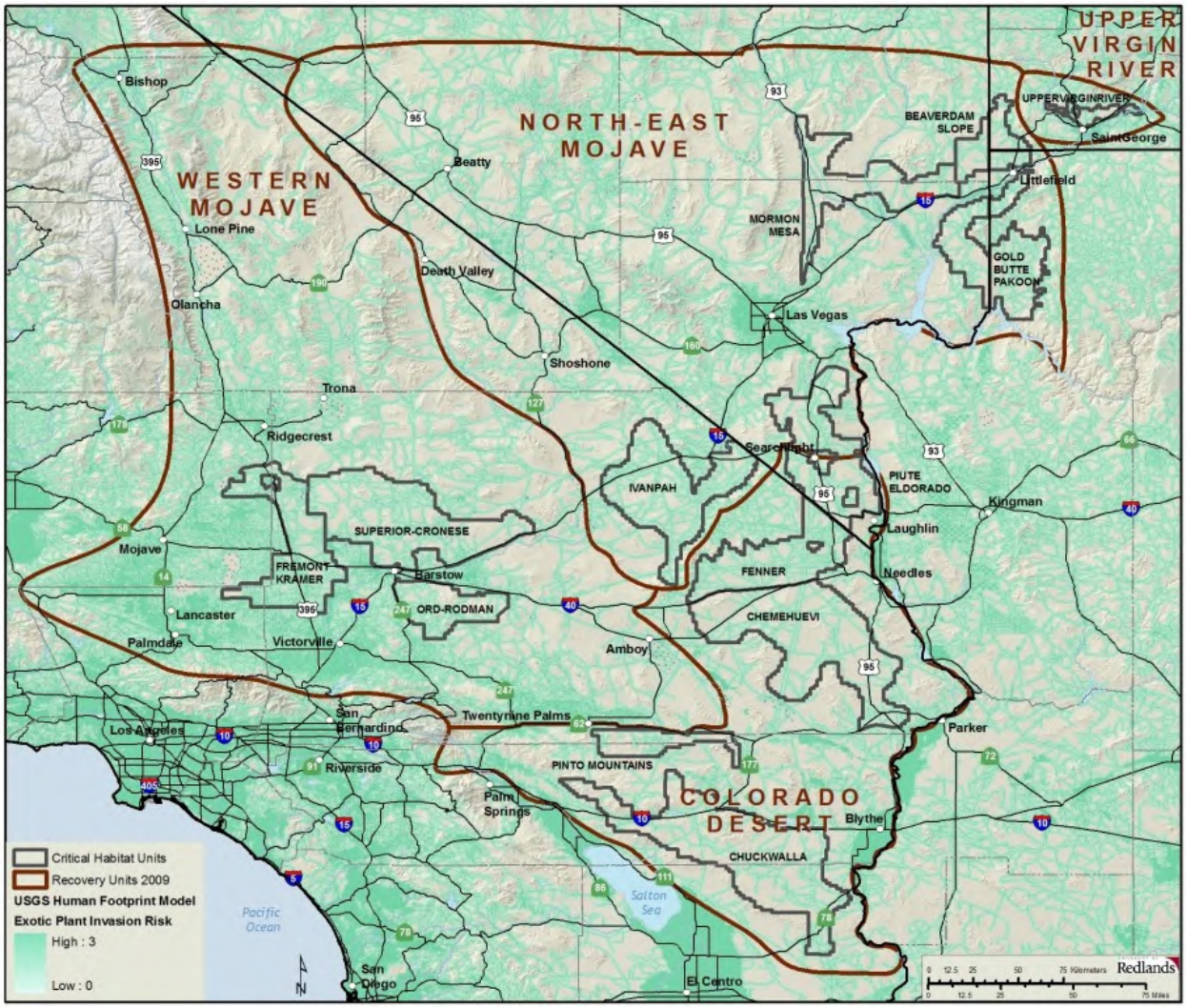
funding for the implementation of various actions that are intended to promote the recovery of the desert tortoise. Although most of these mitigation measures are consistent with recommendations in the recovery plans for the desert tortoise and the Service continues to support their implementation, we cannot assess how desert tortoise populations will respond because of the long generation time of the species.

In addition to the biological opinions issued for solar development within the range of the desert tortoise, the Service (2012e) also issued a biological opinion to the Department of the Army for the use of additional training lands at Fort Irwin. As part of this proposed action, the Army removed approximately 650 desert tortoises from 18,197 acres of the southern area of Fort Irwin, which had been off-limits to training. The Army would also use an additional 48,629 acres that lie east of the former boundaries of Fort Irwin; much of this parcel is either too mountainous or too rocky and low in elevation to support numerous desert tortoises.

The Service also issued a biological opinion to the Marine Corps that considered the effects of the expansion of the Marine Corps Air Ground Combat Center at Twentynine Palms (Service 2012f). We concluded that the Marine Corps' proposed action, the use of approximately 167,971 acres for training, was not likely to jeopardize the continued existence of the desert tortoise. Most of the expansion area lies within the Johnson Valley Off-high Vehicle Management Area.

The incremental effect of the larger actions (i.e., solar development, the expansions of Fort Irwin, and the Marine Corps Air Ground Combat Center) on the desert tortoise is unlikely to be positive, despite the numerous conservation measures that have been (or will be) implemented as part of the actions. The acquisition of private lands as mitigation for most of these actions increases the level of protection afforded these lands; however, these acquisitions do not create new habitat and Federal, State, and privately managed lands remain subject to most of the threats and stresses we discussed previously in this section. Although land managers have been implementing measures to manage these threats, we have been unable, to date, to determine whether the measures have been successful, at least in part because of the low reproductive capacity of the desert tortoise. Therefore, the conversion of habitat into areas that are unsuitable for this species continues the trend of constricting the desert tortoise into a smaller portion of its range.

As the Service notes in the 5-year review (Service 2010b), "(t)he threats identified in the original listing rule continue to affect the (desert tortoise) today, with invasive species, wildfire, and renewable energy development coming to the forefront as important factors in habitat loss and conversion. The vast majority of threats to the desert tortoise or its habitat are associated with human land uses." Oftedal's work (2002 in Service 2010b) suggests that invasive weeds may adversely affect the physiological health of desert tortoises. Current information indicates that invasive species likely affect a large portion of the desert tortoise's range (see following map). Furthermore, high densities of weedy species increase the likelihood of wildfires; wildfires, in turn, destroy native species and further the spread of invasive weeds.




Global climate change is likely to affect the prospects for the long-term conservation of the desert tortoise. For example, predictions for climate change within the range of the desert tortoise suggest more frequent and/or prolonged droughts with an increase of the annual mean temperature by 3.5 to 4.0 degrees Celsius. The greatest increases will likely occur in summer (June-July-August mean increase of as much as 5 degrees Celsius [Christensen et al. 2007 in Service 2010b]). Precipitation will likely decrease by 5 to 15 percent annually in the region with winter precipitation decreasing by up to 20 percent and summer precipitation increasing by up to 5 percent. Because germination of the desert tortoise's food plants is highly dependent on cool-season rains, the forage base could be reduced due to increasing temperatures and decreasing precipitation in winter. Although drought occurs routinely in the Mojave Desert, extended periods of drought have the potential to affect desert tortoises and their habitats through physiological effects to individuals (i.e., stress) and limited forage availability. To place the consequences of long-term drought in perspective, Longshore et al. (2003) demonstrated that even short-term drought could result in elevated levels of mortality of desert tortoises. Therefore, long-term drought is likely to have even greater effects, particularly given that the current fragmented nature of desert tortoise habitat (e.g., urban and agricultural development, Lakes allotments, which are located within critical habitat in the Western Mojave Recovery Unit;

current fragmented nature of desert tortoise habitat (e.g., urban and agricultural development, highways, freeways, military training areas, etc.) will make recolonization of extirpated areas difficult, if not impossible.

The Service notes in the 5-year review that the combination of the desert tortoise's late breeding age and a low reproductive rate challenges our ability to achieve recovery. When determining whether a proposed action is likely to jeopardize the continued existence of a species, we are required to consider whether the action would "reasonably be expected, directly or indirectly, to reduce appreciably the likelihood of both the survival and recovery of a listed species in the wild by reducing the reproduction, numbers, or distribution of that species" (50 Code of Federal Regulations 402.02). Although the Service does not explicitly address these metrics in the 5-year review, we have used the information in that document to summarize the status of the desert tortoise with respect to its reproduction, numbers, and distribution.

In the 5-year review, the Service notes that desert tortoises increase their reproduction in high rainfall years; more rain provides desert tortoises with more high quality food (i.e., plants that are higher in water and protein), which, in turn, allows them to lay more eggs. Conversely, the physiological stress associated with foraging on food plants with insufficient water and nitrogen may leave desert tortoises vulnerable to disease (Oftedal 2002 in Service 2010b), and the reproductive rate of diseased desert tortoises is likely lower than that of healthy animals. Young desert tortoises also rely upon high-quality, low-fiber plants (e.g., native forbs) with nutrient levels not found in the invasive weeds that have increased in abundance across its range (Oftedal et al. 2002; Tracy et al. 2004). Compromised nutrition of young desert tortoises likely represents an effective reduction in reproduction by reducing the number that reaches adulthood. Consequently, although we do not have quantitative data that show a direct relationship, the abundance of weedy species within the range of the desert tortoise has the potential to negatively affect the reproduction of desert tortoises and recruitment into the adult population.

Data from long-term study plots, which were first established in 1976, cannot be extrapolated to provide an estimate of the number of desert tortoises on a range-wide basis; historic densities in some parts of the desert exceeded 100 adults in a square mile (Desert Tortoise Recovery Office 2014). Using data from the long-term study plots, the Service (2010b) concluded that "appreciable declines at the local level in many areas, which coupled with other survey results, suggest that declines may have occurred more broadly." Other sources indicate that local declines are continuing to occur. For example, surveyors found "lots of dead [desert tortoises]" in the western expansion area of Fort Irwin (Western Mojave Recovery Unit) in 2008 (Fort Irwin Research Coordination Meeting 2008). After the onset of translocation, coyotes killed 105 desert tortoises in Fort Irwin's southern translocation area (Western Mojave Recovery Unit); other canids may have been responsible for some of these deaths. Other incidences of predation were recorded throughout the range of the desert tortoise during this time (Esque et al. 2010). Esque et al. (2010) hypothesized that this high rate of predation on desert tortoises was influenced by low population levels of typical prey for coyotes due to drought conditions in previous years. Recent surveys in the Ivanpah Valley (Eastern Mojave Recovery Unit) for a proposed solar facility detected 31 live desert tortoises and the carcasses of 25 individuals that

had been dead less than 4 years (Ironwood 2011); this ratio of carcasses to live individuals over such a short period of time may indicate an abnormally high rate of mortality for a long-lived animal. In summary, the number of desert tortoises range-wide likely decreased substantially from 1976 through 1990 (i.e., when long-term study plots were initiated through the time the desert tortoise was listed as threatened), although we cannot quantify the amount of this decrease. Additionally, more recent data collected from various sources throughout the range of the desert tortoise suggest that local declines continue to occur (e.g., Bureau et al. 2005, Esque et al. 2010).

The distribution of the desert tortoise has not changed substantially since the publication of the original recovery plan in 1994 (Service 2010b) in terms of the overall extent of its range. Prior to 1994, desert tortoises were extirpated from large areas within their distributional limits by urban and agricultural development (e.g., the cities of Barstow, Lancaster, Las Vegas, St. George, etc.; agricultural areas south of Edwards Air Force Base and east of Barstow), military training (e.g., Fort Irwin, Leach Lake Gunnery Range), and off-road vehicle use (e.g., portions of off-road management areas managed by the Bureau and unauthorized use in areas such as east of California City). Since 1994, urban development around Las Vegas has likely been the largest contributor to habitat loss throughout the range. Desert tortoises have been essentially removed from the 18,197-acre southern expansion area at Fort Irwin (Service 2012e).

The following table depicts acreages of habitat (as modeled by Nussear et al. 2009) within various regions of the desert tortoise's range and of impervious surfaces as of 2006 (Xian et al. 2009). Impervious surfaces include paved and developed areas and other disturbed areas that have zero probability of supporting desert tortoises.

| Regions[1] | Modeled Habitat (acres) | Impervious Surfaces within Modeled Habitat | Percent of Modeled Habitat that is now Impervious |
|---|---|---|---|
| **Western Mojave** | 7,582,092 | 1,864,214 | 25 |
| **Colorado Desert** | 4,948,900 | 494,981 | 10 |
| **Northeast Mojave** | 7,776,934 | 1,173,025 | 15 |
| **Upper Virgin River** | 232,320 | 80,853 | 35 |
| **Total** | 20,540,246 | 3,613,052 | 18 |

[1]The regions do not correspond to recovery unit boundaries; we used a more general separation of the range for this illustration.

In conclusion, we have used the 5-year review (Service 2010b), revised recovery plan (Service 2011a), and additional information that has become available since these publications to review the reproduction, numbers, and distribution of the desert tortoise. The reproductive capacity of the desert tortoise may be compromised to some degree by the abundance and distribution of invasive weeds across its range; the continued increase in human access across the desert likely continues to facilitate the spread of weeds and further affect the reproductive capacity of the

species. Prior to its listing, the number of desert tortoises likely declined range-wide, although we cannot quantify the extent of the decline; since the time of listing, data suggest that declines continue to occur throughout most of the range, although recent information suggests that densities may have increased slightly in the Northeastern Mojave Recovery Unit. The continued increase in human access across the desert continues to expose more desert tortoises to the potential of being killed by human activities. The distributional limits of the desert tortoise's range have not changed substantially since the issuance of the original recovery plan in 1994; however, desert tortoises have been extirpated from large areas within their range (e.g., Las Vegas, other desert cities). The species' low reproductive rate, the extended time required for young animals to reach breeding age, and the multitude of threats that continue to confront desert tortoises combine to render its recovery a substantial challenge.

**Status of Critical Habitat of the Desert Tortoise**

The Service designated critical habitat for the desert tortoise in portions of California, Nevada, Arizona, and Utah in a final rule published February 8, 1994 (59 Federal Register 5820). The Service designates critical habitat to identify the key biological and physical needs of the species and key areas for recovery and to focus conservation actions on those areas. Critical habitat is composed of specific geographic areas that contain the biological and physical features essential to the species' conservation and that may require special management considerations or protection. These features, which include space, food, water, nutrition, cover, shelter, reproductive sites, and special habitats, are called the primary constituent elements of critical habitat. The specific primary constituent elements of desert tortoise critical habitat are: sufficient space to support viable populations within each of the six recovery units and to provide for movement, dispersal, and gene flow; sufficient quality and quantity of forage species and the proper soil conditions to provide for the growth of these species; suitable substrates for burrowing, nesting, and overwintering; burrows, caliche caves, and other shelter sites; sufficient vegetation for shelter from temperature extremes and predators; and habitat protected from disturbance and human-caused mortality.

Critical habitat of the desert tortoise would not be able to fulfill its conservation role without each of the primary constituent elements being functional. As examples, having a sufficient amount of forage species is not sufficient if human-caused mortality is excessive; an area with sufficient space to support viable populations within each of the six recovery units and to provide for movement, dispersal, and gene flow would not support desert tortoises without adequate forage species.

The final rule for designation of critical habitat did not explicitly ascribe specific conservation roles or functions to the various critical habitat units. Rather, it refers to the strategy of establishing recovery units and desert wildlife management areas recommended by the recovery plan for the desert tortoise, which had been published as a draft at the time of the designation of critical habitat, to capture the "biotic and abiotic variability found in desert tortoise habitat" (59 Federal Register 5820, see page 5823). Specifically, we designated the critical habitat units to follow the direction provided by the draft recovery plan (Service 1993a) for the establishment of

desert wildlife management areas. The critical habitat units in aggregate are intended to protect the variability that occurs across the large range of the desert tortoise; the loss of any specific unit would compromise the ability of critical habitat as a whole to serve its intended function and conservation role.

Despite the fact that desert tortoises do not necessarily need to move between critical habitat units to complete their life histories, both the original and revised recovery plans highlight the importance of these critical habitat units and connectivity between them for the recovery of the species. Specifically, the revised recovery plan states that "aggressive management as generally recommended in the 1994 Recovery Plan needs to be applied within existing (desert) tortoise conservation areas (defined as critical habitat, among other areas being managed for the conservation of desert tortoises) or other important areas ... to ensure that populations remain distributed throughout the species' range .... (Desert tortoise) conservation areas capture the diversity of the Mojave population of the desert tortoise within each recovery unit, conserving the genetic breadth of the species, providing a margin of safety for the species to withstand catastrophic events, and providing potential opportunities for continued evolution and adaptive change .... Especially given uncertainties related to the effects of climate change on desert tortoise populations and distribution, we consider (desert) tortoise conservation areas to be the minimum baseline within which to focus our recovery efforts (pages 34 and 35, Service 2011a)."

The 12 critical habitat units range in area from 85 to 1,595 square miles. However, the optimal reserve size recommended to preserve viable desert tortoise populations was 1,000 square miles (Service 1994a); only 4 critical habitat units meet this threshold. Consequently, for some smaller critical habitat units, their future effectiveness in conserving the desert tortoise is largely dependent on the status of populations immediately adjacent to their boundaries or within intervening linkages that connect these smaller critical habitat units to other protected areas. Although the Service (1994a) recommended the identification of buffer zones and linkages for smaller desert tortoise conservation areas, land management agencies have generally not established such areas.

Population viability analyses indicate that reserves should contain from 10,000 to 20,000 adult desert tortoises to maximize estimated time to extinction (i.e., approximately 390 years, depending on rates of population change; Service 1994a). However, during the three most recent years of monitoring within the critical habitat units, only three (in 2009 and 2010) to five (in 2008) of the critical habitat units met this target (McLuckie et al. 2010; Service 2009, 2012a, 2012b). Some critical habitat units share boundaries and form contiguous blocks (e.g. Superior-Cronese and Fremont-Kramer Critical Habitat Units), and those blocks in California include combined estimated abundances of over 10,000 adult desert tortoises. These blocks are adjacent to smaller, more isolated units (e.g., Ord-Rodman Critical Habitat Unit) that are not currently connected to other protected habitat by preserved habitat linkages.

We did not designate the Desert Tortoise Natural Area and Joshua Tree National Park in California and the Desert National Wildlife Refuge in Nevada as critical habitat because they are "primarily managed as natural ecosystems" (59 Federal Register 5820, see page 5825) and

provide adequate protection to desert tortoises. Since the designation of critical habitat, Congress increased the size of Joshua Tree National Park and created the Mojave National Preserve. A portion of the expanded boundary of Joshua Tree National Park lies within critical habitat of the desert tortoise; portions of other critical habitat units lie within the boundaries of the Mojave National Preserve.

Within each critical habitat unit, both natural and anthropogenic factors affect the function of the primary constituent elements of critical habitat. As an example of a natural factor, in some specific areas within the boundaries of critical habitat, such as within and adjacent to dry lakes, some of the primary constituent elements are naturally absent because the substrate is extremely silty; desert tortoises do not normally reside in such areas. Comparing the acreage of desert tortoise habitat as depicted by Nussear et al.'s (2009) model to the gross acreage of the critical habitat units demonstrates quantitatively that the entire area within the boundaries of critical habitat likely does not support the primary constituent elements; see the following table. The acreage for modeled habitat is for the area in which the probability that desert tortoises are present is greater than 0.5. The acreages of modeled habitat are from Service (2012b); they do not include loss of habitat due to human-caused impacts. The difference between gross acreage and modeled habitat is 653,214 acres; that is, approximately 10 percent of the gross acreage of the designated critical habitat is not considered modeled habitat.

| **Critical Habitat Unit** | **Gross Acreage** | **Modeled Habitat** |
|---|---|---|
| Superior-Cronese | 766,900 | 724,967 |
| Fremont-Kramer | 518,000 | 501,095 |
| Ord-Rodman | 253,200 | 184,155 |
| Pinto Mountain | 171,700 | 144,056 |
| Piute-Eldorado | 970,600 | 930,008 |
| Ivanpah Valley | 632,400 | 510,711 |
| Chuckwalla | 1,020,600 | 809,319 |
| Chemehuevi | 937,400 | 914,505 |
| Gold Butte-Pakoon | 488,300 | 418,189 |
| Mormon Mesa | 427,900 | 407,041 |
| Beaver Dam Slope | 204,600 | 202,499 |
| Upper Virgin River | 54,600 | 46,441 |
| **Totals** | 6,446,200 | 5,792,986 |

*Condition of the Primary Constituent Elements of Critical Habitat*

Human activities can have obvious or more subtle effects on the primary constituent elements. The grading of an area and subsequent construction of a building removes the primary constituent elements of critical habitat; this action has an obvious effect on critical habitat. The revised recovery plan identifies human activities such as urbanization and the proliferation of roads and highways as threats to the desert tortoise and its habitat; these threats are examples of activities that have a clear effect on the primary constituent elements of critical habitat.

We have included the following paragraphs from the revised recovery plan for the desert tortoise (Service 2011a) to demonstrate that other anthropogenic factors affect the primary constituent elements of critical habitat in more subtle ways. All references are in the revised recovery plan (i.e., in Service 2011a); we have omitted some information from the revised recovery plan where the level of detail was unnecessary for the current discussion.

> Surface disturbance from [off-highway vehicle] activity can cause erosion and large amounts of dust to be discharged into the air. Recent studies on surface dust impacts on gas exchanges in Mojave Desert shrubs showed that plants encrusted by dust have reduced photosynthesis and decreased water-use efficiency, which may decrease primary production during seasons when photosynthesis occurs (Sharifi et al. 1997). Sharifi et al. (1997) also showed reduction in maximum leaf conductance, transpiration, and water-use efficiency due to dust. Leaf and stem temperatures were also shown to be higher in plants with leaf-surface dust. These effects may also impact desert annuals, an important food source for [desert] tortoises.
>
> [Off-highway vehicle] activity can also disturb fragile cyanobacterial-lichen soil crusts, a dominant source of nitrogen in desert ecosystems (Belnap 1996). Belnap (1996) showed that anthropogenic surface disturbances may have serious implications for nitrogen budgets in cold desert ecosystems, and this may also hold true for the hot deserts that [desert] tortoises occupy. Soil crusts also appear to be an important source of water for plants, as crusts were shown to have 53 percent greater volumetric water content than bare soils during the late fall when winter annuals are becoming established (DeFalco et al. 2001). DeFalco et al. (2001) found that non-native plant species comprised greater shoot biomass on crusted soils than native species, which demonstrates their ability to exploit available nutrient and water resources. Once the soil crusts are disturbed, non-native plants may colonize, become established, and out-compete native perennial and annual plant species (DeFalco et al. 2001, D'Antonio and Vitousek 1992). Invasion of non-native plants can affect the quality and quantity of plant foods available to desert tortoises. Increased presence of invasive plants can also contribute to increased fire frequency.
>
> Proliferation of invasive plants is increasing in the Mojave and Sonoran deserts and is recognized as a substantial threat to desert tortoise habitat. Many species of non-native plants from Europe and Asia have become common to abundant in some areas, particularly where disturbance has occurred and is ongoing. As non-native plant species become established, native perennial and annual plant species may decrease, diminish, or die out (D'Antonio and Vitousek 1992). Land managers and field scientists identified 116 species of non-native plants in the Mojave and Colorado deserts (Brooks and Esque 2002).
>
> Increased levels of atmospheric pollution and nitrogen deposition related to increased human presence and combustion of fossil fuels can cause increased levels of soil nitrogen, which in turn may result in significant changes in plant communities (Aber et

> al. 1989). Many of the non-native annual plant taxa in the Mojave region evolved in more fertile Mediterranean regions and benefit from increased levels of soil nitrogen, which gives them a competitive edge over native annuals. Studies at three sites within the central, southern, and western Mojave Desert indicated that increased levels of soil nitrogen can increase the dominance of non-native annual plants and promote the invasion of new species in desert regions. Furthermore, increased dominance by non-native annuals may decrease the diversity of native annual plants, and increased biomass of non-native annual grasses may increase fire frequency (Brooks 2003).

This summary from the revised recovery plan (Service 2011a) demonstrates how the effects of human activities on habitat of the desert tortoise are interconnected. In general, surface disturbance causes increased rates of erosion and generation of dust. Increased erosion alters additional habitat outside of the area directly affected by altering the nature of the substrate, removing shrubs, and possibly destroying burrows and other shelter sites. Increased dust affects photosynthesis in the plants that provide cover and forage to desert tortoises. Disturbed substrates and increased atmospheric nitrogen enhance the likelihood that invasive species will become established and outcompete native species; the proliferation of weedy species increases the risk of large-scale fires, which further move habitat conditions away from those that are favorable to desert tortoises.

The following paragraphs generally describe how the threats described in the revised recovery plan affect the primary constituent elements of critical habitat of the desert tortoise.

<u>Sufficient space to support viable populations within each of the six recovery units and to provide for movement, dispersal, and gene flow</u>.

In considering the following discussion, bear in mind the information provided previously in this biological opinion regarding the recommended and actual sizes of critical habitat units for the desert tortoise. The original recovery team based the recommended size of desert wildlife management areas on the amount of space required to maintain viable populations. (The recovery plan [Service 1994a] defined conservation areas for the desert tortoise as 'desert wildlife management areas;' we based the boundaries of critical habitat on the recovery team's general recommendation for the desert wildlife management areas.) The current low densities of desert tortoises within critical habitat units exacerbate the difficulties of effecting recovery within these areas.

Urban and agricultural development, concentrated use by off-road vehicles, and other activities of this nature completely remove habitat. Although we are aware of local areas within the boundaries of critical habitat that have been heavily disturbed, we do not know of any areas that have been disturbed to the intensity and extent that this primary constituent element has been compromised. To date, the largest single loss of critical habitat is the use of 18,197 acres of additional training land in the southern portion of Fort Irwin. In our biological opinion for that proposed action (Service 2012e), we stated:

> The proposed action would essentially eliminate the primary constituent elements from approximately 2.40 percent of the Superior-Cronese Critical Habitat Unit; additionally, the conservation role of the remainder of this critical habitat unit and the other critical habitat units has been compromised by substantial human impact on the second and sixth primary constituent elements. However, the protective measures that the Army implemented as part of the proposed action offset, at least to some extent, the adverse effects of the use of the additional training lands in the southern expansion area. Consequently, we have concluded that, although the second and sixth primary constituent elements are not functioning appropriately throughout most of designated critical habitat of the desert tortoise and the proposed action would result in substantial disturbance to 18,197 acres of the Superior-Cronese Critical Habitat Unit, the change in the condition of critical habitat brought about by the Army's proposed action (i.e., use of the southern expansion area for training and implementation of the conservation actions) is not likely to cause an overall decrease in the conservation value and function of the Superior-Cronese Critical Habitat Unit.

The widening of existing freeways likely caused the second largest loss of critical habitat. Despite these losses of critical habitat, which occur in a linear manner, the critical habitat units continue to support sufficient space to support viable populations within each of the six recovery units.

In some cases, major roads likely disrupt the movement, dispersal, and gene flow of desert tortoises. Highways 58 and 395 in the Fremont-Kramer Critical Habitat Unit and Fort Irwin Road in the Superior-Cronese Critical Habitat Unit are examples of large and heavily travelled roads that likely disrupt movement, dispersal, and gene flow. Roads that have been fenced and provided with underpasses may alleviate this fragmentation to some degree; however, such facilities have not been in place for sufficient time to determine whether they will eliminate fragmentation.

The threats of invasive plant species described in the revised recovery plan generally do not result in the removal of this primary constituent element because they do not convert habitat into impervious surfaces, as would urban development.

<u>Sufficient quality and quantity of forage species and the proper soil conditions to provide for the growth of these species</u>.

This primary constituent element addresses the ability of critical habitat to provide adequate nutrition to desert tortoises. As described in the revised recovery plan and 5-year review, grazing, historical fire, invasive plants, altered hydrology, drought, wildfire potential, fugitive dust, and climate change/temperature extremes contribute to the stress of "nutritional compromise." Paved and unpaved roads through critical habitat of the desert tortoise provide avenues by which invasive native species disperse; these legal routes also provide the means by which unauthorized use occurs over large areas of critical habitat. Nitrogen deposition from atmospheric pollution likely occurs throughout all the critical habitat units and exacerbates the

effects of the disturbance of substrates. Because paved and unpaved roads are so widespread through critical habitat, this threat has compromised the conservation value and function of critical habitat throughout the range of the desert tortoise, to some degree. See the Status of the Desert Tortoise section of this biological opinion for a map that depicts the routes by which invasive weeds have access to critical habitat; the routes shown on the map are a subset of the actual number of routes that actually cross critical habitat of the desert tortoise.

Suitable substrates for burrowing, nesting, and overwintering.

Surface disturbance, motor vehicles traveling off route, use of OHV management areas, OHV events, unpaved roads, grazing, historical fire, wildfire potential, altered hydrology, and climate change leading to shifts in habitat composition and location, storms, and flooding can alter substrates to the extent that they are no longer suitable for burrowing, nesting, and overwintering. Erosion caused by these activities can alter washes to the extent that desert tortoise burrows placed along the edge of a wash, which is a preferred location for burrows, could be destroyed. We expect that the area within critical habitat that is affected by off-road vehicle use to the extent that substrates are no longer suitable is relatively small in relation to the area that desert tortoises have available for burrowing, nesting, and overwintering; consequently, off-road vehicle use has not had a substantial effect on this primary constituent element.

Most livestock allotments have been eliminated from within the boundaries of critical habitat. Of those that remain, livestock would compact substrates to the extent that they would become unsuitable for burrowing, nesting, and overwintering only in areas of concentrated use, such as around watering areas and corrals. Because livestock grazing occurs over a relatively small portion of critical habitat and the substrates in most areas within livestock allotments would not be substantially affected, suitable substrates for burrowing, nesting, and overwintering remain throughout most of the critical habitat units.

Burrows, caliche caves, and other shelter sites.

Human-caused effects to burrows, caliche caves, and other shelter sites likely occur at a similar rate as effects to substrates for burrowing, nesting, and overwintering for the same general reasons. Consequently, sufficient burrows, caliche caves, and other shelter sites remain throughout most of the critical habitat units.

Sufficient vegetation for shelter from temperature extremes and predators.

In general, sufficient vegetation for shelter from temperature extremes and predators remains throughout critical habitat. In areas where large fires have occurred in critical habitat, many of the shrubs that provide shelter from temperature extremes and predators have been destroyed; in such areas, cover sites may be a limiting factor. The proliferation of invasive plants poses a threat to shrub cover throughout critical habitat as the potential for larger and more frequent wildfires increases.

In 2005, wildfires in Nevada, Utah, and Arizona burned extensive areas of critical habitat (Service 2010b). Although different agencies report slightly different acreages, the following table provides an indication of the scale of the fires.

| Critical Habitat Unit | Total Area Burned (acres) | Percent of the Critical Habitat Unit Burned |
|---|---|---|
| Beaver Dam Slope | 53,528 | 26 |
| Gold-Butte Pakoon | 65,339 | 13 |
| Mormon Mesa | 12,952 | 3 |
| Upper Virgin River | 10,557 | 19 |

The revised recovery plan notes that the fires caused statistically significant losses of perennial plant cover, although patches of unburned shrubs remained. Given the patchiness with which the primary constituent elements of critical habitat are distributed across the critical habitat units and the varying intensity of the wildfires, we cannot quantify precisely the extent to which these fires disrupted the function and value of the critical habitat.

Habitat protected from disturbance and human-caused mortality.

In general, the Federal agencies that manage lands within the boundaries of critical habitat have adopted land management plans that include implementation of some or all of the recommendations contained in the original recovery plan for the desert tortoise. (See pages 70 to 72 of Service 2010b.) To at least some degree, the adoption of these plans has resulted in the implementation of management actions that are likely to reduce the disturbance and human-caused mortality of desert tortoises. For example, these plans resulted in the designation of open routes of travel and the closure (and, in some cases, physical closure) of unauthorized routes. Numerous livestock allotments have been relinquished by the permittees and cattle no longer graze these allotments. Because of these planning efforts, the Bureau's record of decision included direction to withdraw some areas of critical habitat from mineral entry. Because of actions on the part of various agencies, many miles of highways and other paved roads have been fenced to prevent desert tortoises from wandering into traffic and being killed. The Service and other agencies of the Desert Managers Group in California are implementing a plan to remove common ravens that prey on desert tortoises and to undertake other actions that would reduce subsidies (i.e., food, water, sites for nesting, roosting, and perching, etc.) that facilitate their abundance in the California desert (Service 2008).

Despite the implementation of these actions, disturbance and human-caused mortality continue to occur in many areas of critical habitat (which overlap the desert wildlife management areas for the most part and are the management units for which most data are collected) to the extent that the conservation value and function of critical habitat is, to some degree, compromised. For example, many highways and other paved roads in California remain unfenced. Twelve desert tortoises were reported to be killed on paved roads from within Mojave National Preserve in 2011, and we fully expect that desert tortoises are being killed at similar rates on many other roads, although these occurrences are not discovered and reported as diligently as by the

National Park Service. Employees of the Southern California Gas Company reported two desert tortoises in 2011 that were crushed by vehicles on unpaved roads.

Unauthorized off-road vehicle use continues to disturb habitat and result in loss of vegetation within the boundaries of critical habitat (e.g., Coolgardie Mesa in the Western Mojave Recovery Unit); although we have not documented the death of desert tortoises as a direct result of this activity, it likely occurs. Additionally, the habitat disturbance caused by this unauthorized activity exacerbates the spread of invasive plants, which displace native plants that are important forage for the desert tortoise, thereby increasing the physiological stress faced by desert tortoises.

Although the Bureau has approved, through its land use planning processes, the withdrawal of areas of critical habitat from mineral entry, it has not undertaken the administrative procedures to complete withdrawals in all areas. Absent this withdrawal, new mining claims can be filed and further disturbance of critical habitat could occur.

Finally, the Bureau has not allowed the development of solar power plants on public lands within the boundaries of its desert wildlife management areas (which largely correspond to the boundaries of critical habitat). Conversely, the County of San Bernardino is considering the approval of the construction and operation of at least two such facilities within the boundaries of the Superior-Cronese Critical Habitat Unit north of Interstate 15 near the Minneola Road exit.

*Summary of the Status of Critical Habitat of the Desert Tortoise*

As noted in the revised recovery plan for the desert tortoise and 5-year review (Service 2011a, 2010b), critical habitat of the desert tortoise is subject to landscape level impacts in addition to the site-specific effects of individual human activities. On the landscape level, atmospheric pollution is increasing the level of nitrogen in desert substrates; the increased nitrogen exacerbates the spread of invasive plants, which outcompete the native plants necessary for desert tortoises to survive. As invasive plants increase in abundance, the threat of large wildfires increases; wildfires have the potential to convert the shrubland-native annual plant communities upon which desert tortoises depend to a community with fewer shrubs and more invasive plants. In such a community, shelter and forage would be more difficult for desert tortoises to find. Invasive plants have already compromised the conservation value and function of critical habitat to some degree with regard to the second primary constituent element (i.e., sufficient quality and quantity of forage species and the proper soil conditions to provide for the growth of these species). These effects likely extend to the entirety of critical habitat, given the numerous routes by which invasive plants can access critical habitat and the large spatial extent that is subject to nitrogen from atmospheric pollution. (See maps from previous sections of this biological opinion regarding the extent of the threat of invasive plants and the aggregate stress that multiple threats, including invasive plants, place on critical habitat.)

Critical habitat has been compromised to some degree with regard to the last primary constituent element (i.e., habitat protected from disturbance and human-caused mortality) as a result of the wide variety of human activities that continues to occur within its boundaries. These effects

result from the implementation of discrete human activities and are thus more site-specific in nature.

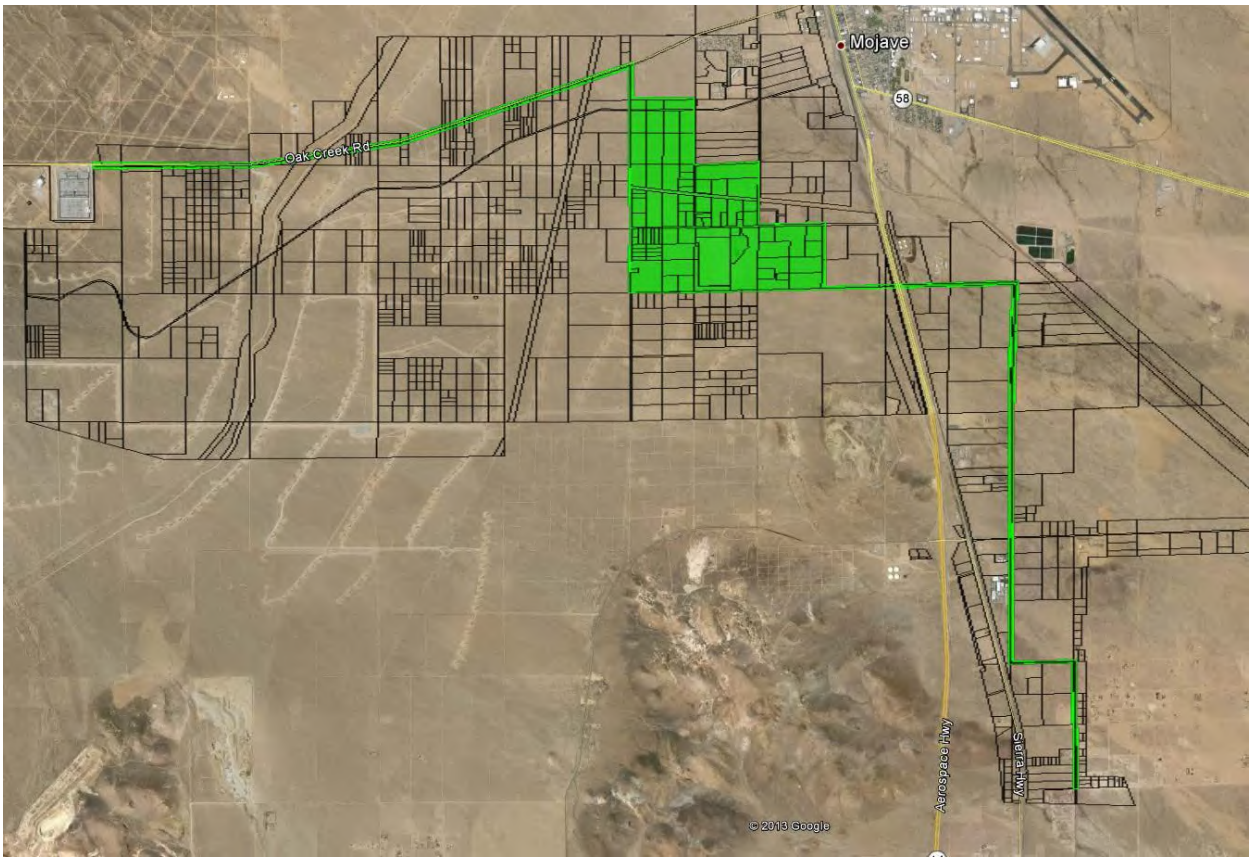
Although the remaining primary constituent elements have been affected to some degree by human activities, these impacts have not, to date, substantially compromised the conservation value and function of the critical habitat units. We have reached this conclusion primarily because the effects are localized and thus do not affect the conservation value and function of large areas of critical habitat.

Land managers have undertaken actions to improve the status of critical habitat. For example, as part of its efforts to offset the effects of the use of additional training maneuver lands at Fort Irwin (Service 2004), the Army acquired the private interests in the Harper Lake and Cronese Lakes allotments, which are located within critical habitat in the Western Mojave Recovery Unit; as a result, cattle have been removed from these allotments. Livestock have been removed from numerous other allotments through various means throughout the range of the desert tortoise. The retirement of allotments assists in the recovery of the species by eliminating disturbance to the primary constituent elements of critical habitat by cattle and range improvements.

## ENVIRONMENTAL BASELINE

### Action Area

The implementing regulations for section 7(a)(2) of the Act define the "action area" as all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action (50 Code of Federal Regulations 402.02). The action area for this biological opinion is the footprint of Edwards Air Force Base, which consists of 307,516 acres, and the route of the gen-tie line from the proposed Oro Verde Solar Project in the northwestern corner of the base to the Windhub Substation, as depicted on the following map (Brewer-Anderson 2013). The precise route for the gen-tie line has not been finalized. The easement for the gen tie line would be 13.9 miles long and up to 110 feet wide. The easement would cover approximately 147 acres.




**Habitat Characteristics of the Action Area**

The following information provides a summary of the discussion of habitat characteristics from the biological evaluation (Air Force 2008a) and integrated natural resources management plan (Air Force 2008b). The proposed action area is located in the western portion of the Mojave Desert mid-way between the southern end of the Sierra Nevada and the San Bernardino Mountains. Edwards Air Force Base is visually dominated by three dry lakebeds: Rosamond, Rogers, and Buckhorn dry lakes. The area is characterized as high desert with broad expansive valleys bordered by low rocky hills.

The main plant communities on base include creosote bush scrub, saltbush scrub, Joshua tree woodland, and mesquite woodland. The zonal plant communities are primarily based on soil characteristics and elevation; elevation ranges on the base range between 2,500 to 3,300 feet, and topography gradually slopes from west to east. Vegetation in the upland areas on base consists of two main plant communities: creosote bush scrub and Joshua tree woodland. Lowland communities consist of the alkali sink and saltbush communities.

**Existing Conditions in the Action Area**

In this section, we discuss the anthropogenic and natural conditions in the action area as they relate to desert tortoises and their habitat. Unless we have noted otherwise by citing a biological opinion, the anthropogenic conditions present in the action area were constructed or instituted prior to the listing of the desert tortoise. We summarized the following information from the biological evaluation (Air Force 2008a), integrated natural resources management plan (Air Force 2008b), and communications with Edwards Air Force Base personnel.

*Land Use*

Edwards Air Force Base is divided into 7 environmental management areas or support zones to better manage the variety of environmental management programs. Figure 3-2 in the integrated natural resource management plan depicts the boundaries of each support zone.

The first zone is a relatively isolated developed area which contains the Air Force Research Laboratory. This area is surrounded by the Precision Impact Range Area in the northeastern portion of the base; desert tortoises are occasionally encountered in this zone.

The second and third zones are composed of main base south and main base north, respectively. Main base south supports areas developed for residential, recreational and commercial use. Main base north is the third zone and supports developed and undeveloped areas; developments in this area support a wide range of operations conducted by the base. Environmental issues in this zone include off-road vehicle areas and the presence of desert tortoise populations.

Zones four and five were developed to support flightline activities. The fourth zone, which is south base, is the original flightline that now primarily functions as a taxiway. Zone five contains the flightline, taxiways and associated hangars. Environmental issues of concern while operating in zone five include desert tortoise and habitat recovery.

The sixth environmental zone consists of the north base and Precision Impact Range Areas. The Precision Impact Range Area covers a large portion of the eastern part of the base and supports low-level aircraft flight-testing, open burn/open detonation facility, and various other facilities; this area also contains desert tortoise critical habitat. The Service (1994b) issued a biological opinion regarding the effects of establishing the Precision Impact Range Area on the desert tortoise and its critical habitat; in this biological opinion, we concluded that the proposed action was not likely to jeopardize the continued existence of the desert tortoise or destroy or adversely modify its critical habitat because of implementation of numerous measures intended to minimize the effects of the proposed action on desert tortoises. The open burn/open detonation area on the Precision Impact Range Area is equipped with desert tortoise exclusion fencing to prevent individuals from entering the facility; due to regular grading, very little vegetation persists within or immediately adjacent to the fenced area of the open burn-open detonation unit. Zone seven comprises undeveloped lands used for a wide variety of base activities including, but not limited to buffer zone around the three lakebeds, aircraft drop zones, shooting ranges,

training area, and lakebed runways. Environmental issues in this management area include desert tortoise, water wells, unpaved roads and emergency landing areas.

The Service has issued biological opinions regarding the effects of establishing, operating, and maintaining a suite of facilities and training areas throughout Edwards Air Force Base on the desert tortoise and its critical habitat. Desert tortoises have been translocated from the areas as necessary to successfully carry out the proposed actions and minimize impacts to desert tortoise. We concluded that the proposed actions were not likely to jeopardize the continued existence of the desert tortoise or destroy or adversely modify its critical habitat; we expect that these actions led to an overall decrease in the number of individuals in these areas.

The type and frequency of use varies greatly between areas. Some areas are heavily used and others remain virtually untouched (Air Force 2008b). Large areas of the base remain undeveloped and accommodate testing activities. A perimeter fence was installed around the base to help conserve desert tortoise habitat, in particular critical habitat. Areas designated as desert tortoise critical habitat require personnel to follow different levels of protection measures based upon the activities planned within that area.

The Air Force has re-vegetated areas disturbed by wildfire burns, unused vehicle routes, abandoned targets, closed borrow pits, closed landfills, and other areas within desert tortoise habitat. As of May 2013, the base has re-vegetated approximately 135 acres of habitat (much of which took place in previously burned areas) (Air Force 2014a). Of this amount, approximately 55 acres are located in critical habitat on the Precision Impact Range Area.

Impacts to natural resources may result in the release of hazardous substances, pollutants, and contaminants into the environment from mission-related activities. The Service issued five biological opinions regarding the effect of the Installation Restoration Program on desert tortoises and its critical habitat; in the biological opinions, we concluded that the proposed actions were not likely to jeopardize the continued existence of the desert tortoise or destroy or adversely modify its critical habitat because a reduction in disturbance is likely to benefit desert tortoises by reducing the amount of habitat that is lost or degraded.

The area between the northwest corner of the base and the Windhub Substation generally supports desert habitat with some scattered residences and businesses. The western end of the gen-tie line crosses through areas that have been developed as wind farms.

*Use by Feral and Domestic Livestock*

One of the primary historic uses of the land within Edwards Air Force Base included livestock grazing. Although livestock grazing has not legally occurred on base since 1950, portions are still recovering from past overgrazing practices. Illegal sheep grazing occasionally occurred along the northern boundary of the base; installation of boundary fence along the base perimeter has eliminated this problem. Sheep grazing still occurs around the base periphery resulting in some edge effects. Sheep likely occasionally graze in areas along the route of the proposed gen-tie line.

*Non-native Species*

The processes of grazing, urbanization, agriculture, and road and utility construction have resulted in the introduction of invasive annuals to the native flora, particularly split grass (*Schismus barbatus*), cheat grass (*Bromus tectorum*), and red brome (*Bromus madritensis* ssp. *rubens*). More recently, Sahara mustard (*Brassica tournfortii*) has spread into the western Mojave Desert from the Colorado Desert; it has been observed along U.S. Highway 395 along the edge of the eastern boundary of the base. We expect the abundance of these species to be higher in portions of the base that experienced the most recent livestock grazing.

The abundance and diversity of non-native species in any area vary in relation to the seasonal weather; consequently, the composition of the non-native plant flora may be substantially different from year to year. An overabundance of weedy species likely compromises the nutritional status of desert tortoises, as we discussed in the Status of the Species section of this biological opinion. We do not have specific information on the distribution of non-native species nor on their specific effects on desert tortoises in the action area.

*Paved and Unpaved Roads*

Highway 395 traverses the northeast corner of Edwards Air Force Base. State Route 58 parallels the northern boundary, with the exception of a small portion that crosses into the base. The construction of Highway 395 and State Route 58 resulted in the loss of viable desert tortoise habitat and poses as a barrier to movement of desert tortoises; we anticipate that at least a few desert tortoises are killed on these roads annually. State Highway 14 crosses the proposed route of the gen-tie line at about its midpoint. Furthermore, we expect that desert tortoise densities adjacent to these major roads are depressed, as discussed by Hoff and Marlow (2002), but we are not aware of surveys that quantify this effect in these specific areas.

The paved roads within the base are focused in areas supporting development and urbanization. The Service (1993b) issued a biological opinion that concluded that the proposed maintenance and repair of roads throughout the base was not likely to jeopardize the continued existence of the desert tortoise or destroy or adversely modify its critical habitat because most of the proposed actions would occur in previously disturbed areas.

In addition to the paved roads within the base, unpaved roads also traverse the action area. One of the primary historic uses of the land within Edwards Air Force Base included off-road and off-highway vehicle activities. Currently, off-road driving is generally prohibited except for within three designated off-road vehicle areas on base (see figure 7-8 in Air Force 2008b). Off-road vehicle area 1 is approximately 100 acres and designated only for use by the Desert Wheels Motorcycle Club. Off-road vehicle area 2 is approximately 15,040 acres located west of military family housing and is jointly used for off-road vehicles, equestrians, and general recreation. Off-road vehicle area 3 is approximately 4,328 acres, including 32 miles of trails, and is only used for non-motorized mountain biking and jogging. No motorized off-road vehicles are permitted in this area. The Service (1996) issued a biological opinion to the Air Force that considered the

effects of establishment and continued use of off-road vehicle area 2 on the desert tortoise. We concluded that the proposed action was not likely to jeopardize the continued existence of the desert tortoise. We expect that recreational use of these areas likely results in the death or injury of desert tortoises.

In July 2002, the Air Force (2008a) had installed approximately 42 miles of desert tortoise exclusion fencing throughout the base. The Air Force fenced roads to reduce injury and mortality to desert tortoises associated with their use. However, the Air Force subsequently determined that the increased fragmentation of habitat and barriers to movement could outweigh the benefit of reducing the injury and mortality of desert tortoises. Edwards Air Force Base currently has approximately 13 miles of desert tortoise exclusion fencing along areas where desert tortoises and threats overlap (Mull 2013b). The Air Force continues to evaluate the need for desert tortoise barrier fencing along roads to maintain connectivity of adjacent habitat.

Since the listing of the desert tortoise, five known desert tortoise deaths have occurred on Edwards Air Force Base; most of the deaths resulted from desert tortoises getting run over by mission-related traffic (Mull 2013c, 2013d). Environmental Management has closed rarely used dirt roads on portions of the base by constructing barriers across those roads; more road closures are planned in the future. New road construction is limited on base. Edwards Air Force Base personnel are encouraged to use existing roads for access throughout the base whenever possible. New roads were created in the past for projects; however, for many years, new projects have been designed to use existing roads as much as possible.

*Utilities*

Several underground utilities have been constructed in the northern border of the base paralleling State Highway 58. The Service (1995) issued a biological opinion to the Air Force that considered the effects of installing underground communication lines and related facilities at Edwards Air Force Base. We concluded that the proposed action was not likely to jeopardize the continued existence of the desert tortoise.

Large utility poles occur along the eastern boundary paralleling Highway 395. Utility construction on the base from the south and west has also occurred along well-traveled roads. These utilities were installed in the road shoulder or beneath paved or unpaved roads, which presents no new ground disturbance to the habitat adjacent to the road.

The most substantial ongoing effect of utility poles is their ongoing use by common ravens for perching and nesting. The presence of this additional nesting substrate, which allows common ravens to nest far above the reach of ground-dwelling predators, likely contributes substantially to the increase in the number of common ravens in the desert. As previously discussed, common ravens prey on desert tortoises and are likely detrimental to the recovery of the desert tortoise. The need for road maintenance on the utility corridors has left permanent bare areas. Roads along and above utility corridors are occasionally used for maintenance. As we previously

mentioned, the Air Force participates in ongoing re-vegetation efforts which aide in reducing impacts from the establishment of utility corridors.

**Status of the Desert Tortoise in the Action Area**

The Air Force conducted four major surveys throughout the base between 1991 and 1994 to determine relative density estimates of the desert tortoise. With some exceptions, results of these surveys indicate desert tortoises occur throughout the base, but are not uniformly distributed. Approximately 126 square miles (27 percent) of the base were excluded due to lack of desert tortoise habitat (e.g., dry lake beds, cantonment areas, research facilities, graded targets, housing areas, and other operational areas). The Air Force repeated these density surveys from 2006 through 2007 following the same methodology employed during the 1991 to 1994 surveys.

The Air Force used the total corrected sign method to conduct these surveys. In this methodology, surveyors record the amount of desert tortoise sign (e.g., scat, barrows, etc.) observed while walking transects and then develop a density estimate by calibrating the results against densities on long-term study plots, where the density of desert tortoises had been previously estimated using mark-recapture studies. This technique provides an index of relative density only and is no longer used for several reasons.

The following table summarizes results of surveys conducted from 1991 to 1994 and from 2006 to 2007 (Air Force 2008b, Air Force 2010). Although the absolute numbers may be questionable, the comparison of average densities between the two survey periods seems to indicate that the number of desert tortoises on Edwards Air Force Base has declined.

| Survey Period | Density range (individuals per square mile) | Average density (individuals per square mile) |
|---|---|---|
| **1991-1994** | 3 to 69 | 15.9 |
| **2006-2007** | 0 to 58 | 7.8 |

Results of the 2006 to 2007 surveys indicate that the relative density of desert tortoises are approximately twice as high near designated critical habitat and within the eastern portion of the base as they are on the west side. The mean relative density of desert tortoises on the east side of the base was 10.3 per square mile; on the west side, the mean relative density was 5.1 desert tortoises per square mile. Fewer desert tortoises are observed along the lakebeds and in the southwestern portions of the base. We added the densities of the areas surveyed and estimated that approximately 2,643 desert tortoises occurred on Edwards Air Force Base at the time of the 2006 and 2007 surveys; because of the variability associated with this methodology, we emphasize that this number represents a very rough estimate.

As we discussed in the Existing Conditions in the Action Area section, we expect that State Routes 58, which borders a portion of the northern edge of the base, and 395, which crosses its

northeastern tip, have likely resulted in a decrease in the numbers of desert tortoises adjacent to these roads. The number of desert tortoises on base has also likely been affected to a degree by the extensive human activity at Edwards Air Force Base that occurred prior to the listing of the species in 1989 (e.g., development of the main base, housing areas, bombing ranges and training areas, etc.; see Appendix B in Air Force 2008a). Finally, desert tortoises on base likely experienced an overall decrease in density as a result of the same factors that affected desert tortoises throughout the western Mojave Desert as we discussed in the Status of the Species section of this biological opinion.

The following table depicts the numbers of desert tortoises that have been killed or moved from harm's way as a result of the Air Force's activities under its active biological opinions (Mull 2013d). As in every action that covers a large area, we expect that the Air Force did not detect all injuries and mortalities. Because the number of desert tortoise mortalities is lower than the number moved from harm's way and substantially lower than the number of observations, we expect that the Air Force's protective measures are generally functioning well and that few animals have been killed or injured as a result of the activities.

| **Biological opinion** | **Total number of Desert Tortoises** | | |
|---|---|---|---|
| | **Observed** | **Mortalities** | **Moved from harm's way** |
| **1-6-91-F-28** | 3 | 1 | 1 |
| **1-6-92-F-61** | 1 | 0 | 3 |
| **1-8-93-F-5** | 9 | 0 | 2 |
| **1-8-93-F-18** | 0 | 0 | 0 |
| **1-8-93-F-23** | 18 | 0 | 1 |
| **1-8-93-F-32** | 1 | 0 | 1 |
| **1-8-93-F-35** | 0 | 0 | 0 |
| **1-8-94-F-6** | 68 | 2 | 16 |
| **1-8-94-F-19** | 6 | 0 | 0 |
| **1-8-94-F-25** | 0 | 0 | 0 |
| **1-8-95-F-1** | 0 | 0 | 0 |
| **1-8-95-F-6** | 0 | 0 | 0 |
| **1-8-95-F-31** | 1 | 0 | 0 |
| **1-8-96-F-10** | 2 | 0 | 1 |
| **1-8-96-F-45** | 11 | 0 | 0 |
| **1-8-96-F-56** | 0 | 0 | 0 |
| **1-8-97-F-10** | 73 | 2 | 40 |
| **1-8-97-F-38** | 3 | 0 | 0 |
| **1-8-98-F-21R** | 0 | 0 | 0 |
| **1-8-99-F-58** | 0 | 0 | 0 |
| **Total** | 196 | 5 | 65 |

Total number of desert tortoise observations, mortalities, and moved from harm's way under biological opinions for Edwards Air Force Base from January 1, 1997 to May 31, 2013.

The Air Force is unlikely to find every desert tortoise that dies as a result of its activities. Although we expect that the Air Force's activities have killed more than 5 desert tortoises since its listing, we also expect that the overall number of animals that have died is unlikely to be substantially more than that observed by the Air Force. We have reached this conclusion because the generally low density of desert tortoises on base likely decreases the frequency of interactions between the Air Force's activities and desert tortoises. Additionally, the intensity of monitoring employed by the Air Force and the general high level of awareness of desert tortoises by base personnel in general likely add further protection to individuals of this species.

We expect that desert tortoises occur along the proposed easement for the gen-tie line in low numbers; we are aware of a few desert tortoises that have been detected in the area of the wind farms as a result of surveys conducted in that area. Sheep grazing and unauthorized off-road vehicle use have likely degraded the quality of habitat in this area and resulted in the deaths of desert tortoises. Because of the human activity associated with the residences and businesses, we expect that common ravens are common in this area and exert heavy predation pressure on desert tortoises. We also expect that the presence of State Route 14 has caused a local depression in the number of desert tortoises along the easement.

**Status of Critical Habitat of the Desert Tortoise in the Action Area**

Approximately 65,554 acres of the Fremont-Kramer Critical Habitat Unit are generally located on the south central and eastern portions of Edwards Air Force Base (Air Force 2008b); this area includes portions of Air Force research facilities and the Precision Impact Range Area. (See figure 5-7 in Air Force 2008b). The Air Force did not provide information on the overall condition of the primary constituent elements of critical habitat within the boundaries of Edwards Air Force Base. In general, we expect that the condition of the primary constituent elements within the installation is similar to that within the remainder of the Fremont-Kramer Critical Habitat Unit. That is, although we expect that the first, third, fourth, and fifth primary constituent elements have been affected to some degree by the Air Force's activities, these impacts have not, to date, substantially compromised the conservation value and function of the critical habitat. We expect that invasive plants have compromised the conservation value and function of critical habitat to some degree with regard to the second primary constituent element (i.e., sufficient quality and quantity of forage species and the proper soil conditions to provide for the growth of these species). Because most of the critical habitat within Edwards Air Force Base experiences fewer disturbances than public lands off base, we expect that the sixth primary constituent element (i.e., habitat protected from disturbance and human caused mortality) has not been appreciably affected by human activities.

The Air Force's activities contribute to the less-than-prime condition of the second primary constituent element. As previously mentioned in the Environmental Baseline, desert tortoise critical habitat is present within the Precision Impact Range Area on base; this area is divided into three management zones that roughly correspond with mission use in each zone. Zone 1 is a designated 4,681-acre area that experiences the heaviest use within the Precision Impact Range Area and critical habitat. Approximately 27,902 acres of critical habitat fall within the area

designated as Zone 2, this area experiences a moderate level of activity that is expected to continue at its current rate. Zone 3 encompasses 31,254 acres of the Precision Impact Range Area. Very little activity occurs within this area. The remaining critical habitat on base that is not associated with the three management zones is 1,717 acres.

The following table shows the total acres of habitat disturbance and re-vegetation efforts in desert tortoise critical habitat under active biological opinions for Edwards Air Force Base. The total acres of disturbance and re-vegetation comprise approximately 0.16 and 0.09 percent of the amount of critical habitat that lies with the boundaries of Edwards Air Force Base, respectively. We adapted the table from Mull (2013d) to include only biological opinions in which habitat disturbance or re-vegetation efforts occurred in areas designated as critical habitat.

| **Biological opinion** | **Total acres of desert tortoise critical habitat disturbed** | | **Total acres of re-vegetation** |
|---|---|---|---|
| | **Permanent** | **Temporary** | |
| **1-8-93-F-23** | 0.5846 | 1.59 | 0 |
| **1-8-94-F-6** | 12.452 | 79.036 | 55.45 |
| **1-8-94-F-19** | 0 | 1.77 | 0 |
| **Total** | **13.0366** | **82.396** | **55.45** |

Total acres of habitat disturbance and re-vegetation in desert tortoise critical habitat under biological opinions for Edwards Air Force Base from 1 January 1997 – 31 May 2013.

EFFECTS OF THE ACTION

As we described in the Description of the Proposed Action section of this biological opinion, the Air Force and Service evaluated each of the Air Force's proposed activities and listed the aspects of the activity that may affect desert tortoises or their habitat (including critical habitat). In this section of the analysis, we will provide a general description of how these various aspects affect desert tortoises and their habitat (including critical habitat).

After we review the general mechanisms of how the Air Force's activities may affect desert tortoises and their critical habitat, we will analyze the potential effects of the injury or death of up to 5 desert tortoises per year and the loss of up to 5,000 of critical habitat and 15,000 acres outside of critical habitat. The Air Force and Service developed these numbers as thresholds upon which to base the analysis of Future Development in this biological opinion and to provide a trigger for the re-initiation of formal consultation.

Desert tortoises less than 160 millimeters in length (including hatchlings and eggs) are difficult to detect. Surveyors are less likely to detect them than desert tortoises greater than 160 millimeters because hatchlings can take shelter in burrows of all sizes and are difficult to see due to their cryptic nature and their small size. Consequently, we expect that most hatchlings and eggs likely remain in work areas that have been cleared of larger desert tortoises. We anticipate that future activities are likely to result in injury or mortality of small (i.e., less than 160

millimeters in length) desert tortoises because they are more difficult to detect. Because of their cryptic nature and small size, these mortalities have potential to go undetected. We acknowledge that smaller desert tortoises and eggs may be killed during the implementation of the Air Force's activities; however, because they are difficult to detect and because larger individuals are more important for the long-term conservation of the species, we focused our analysis on larger individuals.

**Driving Off Roads**

*Desert Tortoise*

In general, the use of vehicles off of roads (paved or unpaved) can injure or kill desert tortoises; vehicles traveling off road can also crush desert tortoise burrows trapping individuals in their collapsed burrows. In contrast to recreational off-highway vehicle use, where numerous vehicles travel off road at high speeds and with little or no regard to natural resources, the Air Force's use of vehicles off road are prohibited under normal conditions, but limited off-road use may be required in emergencies or to support specific mission requirements. Because the off-road activities associated with range-ground operations and the expenditure of ordnance and energetic materials are expected to be infrequent and these activities would be controlled by the Air Force, we expect that use of vehicles off paved or unpaved roads is likely to injure or kill few desert tortoises.

*Critical Habitat*

In general, the use of vehicles off of roads (paved or unpaved) can destroy plants needed for cover and food, erode and compact substrates, cause proliferation of weeds, and increase in the number and location of wildfires. We do not expect that the use of vehicles off of roads, at the extent likely to be conducted by the Air Force, would have a measurable effect on the first primary constituent element of critical habitat (sufficient space to support viable populations within each of the six recovery units and to provide for movement, dispersal, and gene flow). We have reached this conclusion because the Air Force's use would be infrequent and monitored to the extent that it would not reduce the amount of habitat within critical habitat and prevent movement, dispersal, and gene flow.

The second through fifth primary constituent elements (sufficient quality and quantity of forage species and the proper soil conditions to provide for the growth of these species; suitable substrates for burrowing, nesting, and overwintering; burrows, caliche caves, and other shelter sites; sufficient vegetation for shelter from temperature extremes and predators) are related to the biological and physical aspects of critical habitat. We expect the low level of use of vehicles off roads, which will be appropriately monitored, would not affect the function of these aspects of the desert tortoise's habitat in a measurable manner.

This aspect of the Air Force's activities would minimally affect the sixth primary constituent element (habitat protected from disturbance and human caused mortality) because it would occur infrequently and be monitored.

**Driving on Roads**

*Desert Tortoise*

Desert tortoises are generally more easily observed on roads, because of their more even surfaces and lack of plant cover. Roads often allow vehicles to travel at higher speeds, which reduce the likelihood of drivers detecting and avoiding desert tortoises. Rises and turns in roads also decrease the ability of drivers to detect desert tortoises. Along heavily used roads, the number of desert tortoises is depressed for some distance from the edge of the road as a result of road-associated mortality; this distance varies with the level of use of the road. In general, vehicle use is likely to result in at least some mortalities of and injuries to desert tortoises; the extent of the loss is related to the condition of the road, the time of the year when vehicle use occurs, the abundance of desert tortoises, and the awareness of the driver. Even the most careful drivers may occasionally strike a desert tortoise.

To date, most of the reported desert tortoise mortalities that have occurred in the action area resulted from vehicles driving over them on roads during permitted activities (Mull 2013c). Additionally, personnel have moved many more from roadways. The Air Force addresses this threat in its protective measures by posting signs for reduced speed limits where appropriate. We expect this threat to persist throughout the action area.

*Critical Habitat*

The use of existing roads will not affect the second through fifth primary constituent elements because these physical and biological aspects of critical habitat are no longer present within roads. Roads that experience high levels of traffic can essentially form a barrier to movement, dispersal, and gene flow (first primary constituent element); we do not expect that any roads within Edwards Air Force Base within desert tortoise habitat experience this level of traffic. High levels of traffic may affect the sixth primary constituent element (habitat protected from disturbance and human caused mortality) by increasing the number of desert tortoises that are injured or killed; we do not anticipate that traffic levels in desert tortoise habitat would rise to such levels.

**Ground Disturbance**

*Desert Tortoise*

We consider ground disturbance to include any activity where the Air Force's activities disrupt vegetation and substrate through the use of heavy equipment and materials. Desert tortoises may be injured or killed or trapped in their burrows during these activities. Some of the Air Force's

activities may cause negligible amounts ground disturbance. Conversely, the construction of a new target or building may result in ground disturbance over a larger area.

Because the Air Force would use standard and successful measures and experienced staff to avoid injuring or killing desert tortoises during ground-disturbing activities, we expect that relatively few individuals are likely to be injured or killed as a result of ground disturbance.

*Critical Habitat*

Ground disturbance has the potential to adversely affect all the primary constituent elements of critical habitat. Small amounts of ground disturbance that are temporary in nature would generally affect critical habitat less than larger areas of permanent disturbance, although some indirect effects of smaller projects (e.g., the proliferation of weeds) can extend well beyond the temporal and spatial footprint of a project.

**Explosions**

*Desert Tortoise*

Ordnance or other materials associated with explosions could strike a desert tortoise directly. Additionally, unforeseen explosions such as an accidental crash of an unmanned aerial vehicle could also strike and injure or kill a desert tortoise. Such events are likely extremely rare, given the large area of the target sites, the sparse distribution of desert tortoises, and the relatively small area that the explosion would affect. Additionally, the Air Force's standard practice is to check areas within desert tortoise habitat before emergency scheduled explosions occur to remove any desert tortoises that may be present. Some potential exists that large explosions can cause over pressure vibrations that would cause nearby burrows to collapse and trap desert tortoises inside.

Desert tortoises may be injured by noise associated with explosions. Bowles et al. (1999) found that subsonic and supersonic aircraft noise did not elicit substantial responses from desert tortoises. If a desert tortoise were close to a large explosion, however, we expect that the noise would have the potential to cause physical damage to the animal. Because the Air Force inspects areas and would remove desert tortoises before explosions occur, few desert tortoises are likely to be injured or killed by explosions.

The Air Force's use of the target sites and open burn/open detonation facilities can reasonably be expected to start fires under the appropriate conditions. Therefore, we will consider these fires as a likely effect of explosions. Desert tortoises may be burned to death from fires started by weapons testing, open burn/open detonation activities in areas containing vegetation, lightning or aircraft crashes (Air Force 2008a). Fires can injure or kill desert tortoises that are away from their burrows; the use of fire equipment to fight fires could also kill desert tortoises. Larger fires during times of the year and day when desert tortoises are active are more likely to injure or kill desert tortoises than smaller fires when desert tortoises are inactive (i.e., in their burrows). Desert tortoises are less likely to be present in areas that have repeatedly burned, where non-

native grasses predominate; to the extent that at least some fires occur in such areas, the risk of desert tortoises being injured or killed by fire is somewhat reduced.
The Air Force's fire management measures are likely to reduce the potential for fires started at target sites. This measure is protective of desert tortoises because fires can kill desert tortoises that may be above ground.

*Critical Habitat*

The Air Force's use of explosives would not directly impair the value and function of critical habitat with regard to the first primary constituent element (sufficient space to support viable populations within each of the six recovery units and to provide for movement, dispersal, and gene flow). We have reached this conclusion because the explosions occur in relatively small areas that are used repeatedly. Most explosions would likely occur in areas that have been previously used for such work. However, if a large fire spread from target sites, the potential exists that habitat conditions could be altered to the extent that desert tortoises would no longer traverse such areas.

Large explosions would likely alter the quality and quantity of forage species and the soil conditions to provide for the growth of these species in new target areas (the second primary constituent element); target areas that have been used previously likely no longer support these features. Smaller explosions likely have little or no direct effect on this primary constituent element. As we previously discussed, fire spreading from a target area would likely reduce the value and function of this primary constituent element.

Large explosions likely damage substrates for burrowing, nesting, and overwintering (third primary constituent element) and burrows, caliche caves, and other shelter sites (fourth primary constituent element). Because most explosions would occur in previously used, defined target areas, damage to substrates and shelter sites is likely to be minimal. Fire may affect substrates and shelter sites if it removes sufficient plant cover to increase erosion during storm events. Large explosions would remove vegetation that desert tortoises use for shelter from temperature extremes and predators (the fifth primary constituent element), but generally in a limited area. This adverse effect would be reduced by the use of existing target sites. Fire would affect shelter sites provided by shrubs if it spreads beyond the disturbed target site.

The repeated use of target sites would reduce the potential for explosions to have a measurable effect on the sixth primary constituent element (habitat protected from disturbance and human-caused mortality) because the disturbance and potential for mortality of desert tortoises would be limited to a relatively small portion of critical habitat. Conversely, the creation of new bombing targets in critical habitat requires the Air Force to clear additional lands. As with the other primary constituent elements, fire that spreads beyond disturbed areas around the target sites would increase the adverse effect.

The Air Force's fire management measures likely reduce the potential that fires started at target sites would have a measurable effect on the primary constituent elements of critical habitat of the desert tortoise. One of the primary natural resources management goals of the base's integrated

natural resources management plan is to conserve natural resources in a manner consistent with the military mission and the base's wildland fire management plan by implementing effective suppression of wildland fires and minimizing fire and structural damage to biological resources (Air Force 2008b). Although Edwards Air Force Base has over 200,000 acres of unimproved vegetated terrain, the base has not had a history of a severe fire danger hazard over the past 25 years; lightning is the primary cause of fires on base (Air Force 2008b).

**Non-native Plant Species**

*Desert Tortoise*

Vehicles, ground disturbance, fire, and other human activities contribute to the dispersal of non-native plant species. These non-native plants include species that are already present in the California desert and newly introduced species. As we discussed in the Status of the Species and Critical Habitat section of this biological opinion, non-native plants can alter the quality and quantity of plant foods available to desert tortoises and thereby affect their nutritional intake.

*Critical Habitat*

The spread of non-native plant species may impair the value and function of the first primary constituent element (sufficient space to support viable populations within each of the six recovery units and to provide for movement, dispersal, and gene flow) if they become so widespread and dense that they reduce the ability of desert tortoises to forage over wide areas. This threat is most prominent in the action area where fires have the potential to alter habitat conditions on a large scale.

As we discussed in the Status of Critical Habitat of the Desert Tortoise section of this biological opinion, the function and value of the second primary constituent element (sufficient quality and quantity of forage species and the proper soil conditions to provide for the growth of these species) have been compromised to some degree throughout the range of the desert tortoise. The Air Force's activities, particularly near targets where fires are more likely, may exacerbate this threat.

The spread of non-native plant species is not likely to affect the third and fourth primary constituent element (suitable substrates for burrowing, nesting, and overwintering; burrows, caliche caves, and other shelter sites). We have reached this conclusion because the plants would not generally affect substrates or shelter sites used by desert tortoises.

Non-native plant species can degrade vegetation that desert tortoises use to seek shelter from temperature extremes and predators (the fifth primary constituent element), primarily by supporting larger and more intense fires. Most shrubs in the California desert are not adapted to fire. Once fire kills these shrubs, they are unlikely to return, thus depriving desert tortoises of shelter sites.

Habitat that is degraded by the presence of a large component of non-native species has not been protected from disturbance and human-caused mortality (the sixth primary constituent element). Consequently, spread of non-native plant species has the potential to further degrade the value and function of this primary constituent element.

As we discussed in the Status of the Desert Tortoise section of this biological opinion, current information indicates that invasive species likely affect a large portion of the desert tortoise's range. Non-native species can occur in densities that can increase the risk of fires, which, in turn, destroy native species and may result in future habitat loss. Non-native plant species currently occur throughout Edwards Air Force Base (see Appendix B in 2008b). The Air Force's wildland fire management plan (Appendix H in Air Force 2008b) has potential to reduce the spread of non-native plant species by implementing effective suppression of wildland fires and minimizing fire and structural damage to biological resources. In the event of a wildfire that may affect desert tortoises or their critical habitat, the Air Force and Service would consult under the emergency provisions of section 7(a)(2) of the Endangered Species Act.

**Common Ravens**

*Desert Tortoise*

The Air Force has proposed to manage its trash and debris to reduce the attractiveness of Edwards Air Force Base to common ravens. This protective measure would likely be effective in reducing some level of food subsidies to common ravens. We expect that buildings and other structures on the Edwards Air Force Base would continue to provide common ravens with more perching, roosting, and nesting sites than would be found in a natural setting. We also expect that common ravens also derive at least some food and water from the residential area of the installation. Future development may lead to an increase in the number of people using the residential area, which may, in turn, increase the amount of food and water available to common ravens. Any increase in the number of common ravens would likely result in increased predation of desert tortoises.

*Critical Habitat*

Common ravens do not affect the primary constituent element of critical habitat.

**Moving Desert Tortoises from Harm's Way**

*Desert Tortoise*

Some potential exists that capturing desert tortoises to move them from harm's way may cause elevated levels of stress that may render these animals more susceptible to disease. Because the Air Force will use experienced biologists approved by the Service and approved handling techniques, collected desert tortoises are unlikely to experience elevated stress levels. Information from a translocation project at Fort Irwin indicates that translocation of desert

tortoises in that study did not cause a measurable physiological stress response (Drake et al. 2012). In the case of Fort Irwin, the animals were often moved far from their home ranges. Because the Air Force's activities are of a smaller scale, desert tortoises moved from harm's way would likely remain within their home ranges; therefore, we expect that the potential for these animals to be stressed is even lower.

*Critical Habitat*

Moving desert tortoises from harm's way will not affect critical habitat because this activity primarily involves the transport of individuals a relatively short distance by a biologist who is traveling on foot. Neither the desert tortoises themselves nor the personnel who transport them will affect the primary constituent elements of critical habitat. The construction of artificial burrows would disturb limited areas where annual plants could grow and their supporting substrates; however, this disturbance will not measurably affect the value or function of the primary constituent elements of critical habitat.

**Personnel on Foot**

*Desert Tortoise*

Because of their small size, hatchlings and slightly larger desert tortoises could be trampled by foot traffic. Nests are also vulnerable, but their typical location, near the mouth of a burrow, likely protects them to some degree.

We expect that few desert tortoises would be injured or killed in this manner because most Air Force personnel working in desert tortoise habitat will receive specific training, which would increase their awareness of this potential threat. Additionally, we expect that the likelihood of stepping on desert tortoises would generally be low because most activities involving personnel on foot would occur in a relatively limited area of the base and most frequently in situations where the Air Force has conducted surveys to protect desert tortoises.

*Critical Habitat*

This activity will not affect the primary constituent elements of critical habitat because of the general low level and intensity of use.

**Habitat Conversion**

*Desert Tortoise*

Various activities that the Air Force may undertake have the potential to cause habitat conversion. The act of converting habitat from an area that is suitable for desert tortoises into some other environment has the potential to kill the individuals living in that area. Generally, the

heavy equipment that is involved in the conversion of habitat would crush any desert tortoises that are present.

As we have discussed previously in this biological opinion, other factors, such as fire and an overabundance of non-native species can, either together or separately, covert an area of suitable habitat for desert tortoises into something that is far less able to support them. Over time, desert tortoises that are forced to live in such areas are likely to die as a result of starvation; prior to that, their reproductive output would likely be lower because of their poorer physiological condition.

*Critical Habitat*

Suitable habitat generally is that which contains the primary constituent elements of critical habitat in a functioning condition. In the context of critical habitat, habitat conversion would occur when the amount of disturbance or alteration of a primary constituent element removes its function or value. Any ground-based activity that the Air Force undertakes could potentially disturb or alter, to some degree, the primary constituent elements. As examples, the extensive use of off-road vehicles could decrease the amount of space needed to support a viable population of desert tortoises and to provide for movement, dispersal, and gene flow within the Western Mojave Recovery Unit. Vehicles traveling off roads could decrease the quality and quantity of forage species and the substrate conditions that support the growth of these species and for burrowing; off-road travel could also destroy burrows, caliche caves, and other shelter sites and the perennial vegetation that desert tortoises use for shelter from temperature extremes and predators. Off-road vehicle use would increase the amount of disturbance and human-caused mortality in the area in which it occurred.

**Future Development**

In this biological opinion, we considered future development to be any activity that the Air Force undertakes for which this biological opinion serves as compliance with the Endangered Species Act. Consequently, we consider the future injury or death of any desert tortoise that may result from an otherwise legal activity to have been analyzed in this biological opinion, provided that it is within the parameters proposed by the Air Force. With regard to habitat and critical habitat, we expect the Air Force to track any loss of habitat or critical habitat caused by any otherwise legal activity it conducts or authorizes. Disturbance resulting from activities that occur in previously disturbed areas that do not support the biological or physical attributes of desert tortoise habitat or in undisturbed natural areas that do not support desert tortoise habitat (e.g., dry lake beds) would not be considered to involve the loss of desert tortoise habitat.

*Desert Tortoise*

The regulatory definition of "to jeopardize the continued existence of the species" focuses on assessing the effects of the proposed action on the reproduction, numbers, or distribution of the species being considered in the biological opinion. For that reason, we have used those aspects

of the desert tortoise's status as the basis to assess the overall effect of the proposed action on the species.

In the first portion of the Effects of the Action section of this biological opinion, we provided a general description of how the various activities that the Air Force expects to undertake are likely to affect desert tortoises. In the following sections, we will use the proposed re-initiation threshold of five desert tortoises killed in a year to determine how the future operation of Edwards Air Force Base would affect the reproduction, number, and distribution of the desert tortoise. We will then assess the effects of the proposed action on the recovery of the species and whether it is likely to appreciably reduce the likelihood of both the survival and recovery of the desert tortoise. We reach our conclusion regarding whether an action is likely "to jeopardize the continued existence of the species" through an analysis of how a proposed action affects the listed taxon within the action area in relation to the range of the entire listed taxon. For the desert tortoise, this process involves considering the effects at the level of the action area, then at the level of the recovery unit (in this case, the Western Mojave Recovery Unit), and then finally for the range of the listed taxon. Logically, if an aspect of the proposed action is unlikely to cause a measurable effect within the action area, it is unlikely to affect the recovery unit or the remainder of the range.

Reproduction

The reproductive output of individuals of a species is determined in part by the species' breeding ecology, overall abundance of breeding individuals, and the condition of the habitat in which they live. The reproductive output of the desert tortoise is governed by several aspects of its breeding ecology: the delayed onset of breeding, many years of reproduction, high mortality rates of eggs and young, and low mortality rates among adults. If the population of desert tortoises at Edwards Air Force Base was stable or increasing, the loss of five individuals per year to human activities would be unlikely to have a measurable effect on its overall reproductive capacity. The long reproductive life of female desert tortoises and the normally low mortality rates among adult animals are factors that would protect the reproductive output of a population.

The overall abundance of breeding individuals would also influence how the loss of five desert tortoises per year affects their reproductive output at Edwards Air Force Base. In general, desert tortoises occur at low densities in most areas of the base; the highest density is 58 desert tortoises over one square mile. In some areas, their densities are extremely low. The effects of the mortality of five desert tortoises per year within Edwards Air Force Base may negatively affect the amount of reproduction for several reasons. First, the loss of even a small number of individuals in a low-density population could render finding mates more difficult. Second, desert tortoises require from 13 to 20 years to reach sexual maturity. Third, females produce a relatively small number of eggs per year. Fourth, desert tortoises also experience high mortality early in life (including as eggs). Consequently, even moderate downward fluctuations in adult survival rates can result in rapid population declines; slow reproductive rates and high juvenile mortality limit the capacity of populations to increase rapidly after a decline (Service 2011a).

The desert tortoise possesses two safeguards against the loss of reproduction in areas of low population density. First, female desert tortoises can store sperm for several years; this trait provides some hedge against low densities precluding reproduction because females do not need to encounter males every year to produce young. Second, breeding-age desert tortoises would continue to produce young over their long reproductive life; this reproductive output could replace individuals that are killed by the Air Force's activities.

The amount and timing of rainfall in the desert greatly influences the production of native annual plants upon which desert tortoises feed. A high diversity and abundance of annual plants provide desert tortoises with the appropriate quality and quantity of food to persist and to produce eggs. The widespread invasion of non-native annual plants has likely reduced the desert tortoise's ability to obtain the appropriate quality and quantity of forage plants on a consistent basis. Human disturbance of substrates and increased frequency of fires render desert habitat more susceptible to invasion by non-native annual plants. The Air Force does not implement specific measures to control weed infestations that its activities may cause. Consequently the Air Force's activities have the potential to indirectly affect desert tortoise habitat well outside the footprint of areas that it directly disturbs. Some potential exists that non-native plants are already established at Edwards Air Force Base to the degree that the Air Force's activities would not exacerbate the situation. If the Air Force introduced new species of invasive plants during its activities or expanded the area of infestation of invasive species already on base, the quality of desert tortoise habitat would likely further decrease; such a decrease would negatively affect the ability of Edwards Air Force Base to support the reproduction of desert tortoises at the highest levels of productivity.

Based on these factors, we conclude that the loss of five individuals per year to the Air Force's activities is likely to cause a minor depression of reproduction of desert tortoises at Edwards Air Force Base. We acknowledge that all five individuals may not be of reproductive age; the loss of non-reproductive individuals would not have an immediate effect on reproduction. We also acknowledge that the loss of younger animals would reduce their potential recruitment into breeding age individuals.

Our determination with regard to whether a proposed action is likely to jeopardize the continued existence of a species is based on the status of the listed taxon throughout its range and not just within the action area. Consequently, although the loss of five desert tortoises per year at Edwards Air Force Base is likely to cause a minor depression of reproduction of desert tortoises at Edwards Air Force Base, this loss is unlikely to have a measurable effect on the reproduction of desert tortoises within the Western Mojave Recovery Unit or range wide. We have reached this conclusion because Edwards Air Force Base comprises a small portion of the Western Mojave Recovery Unit and an even smaller portion of the species' range. The next section of this analysis provides insight into the numbers of desert tortoises within Edwards Air Force Base, the Western Mojave Recovery Unit, and range wide.

Number

We used the reports on range-wide sampling for the last 3 years (Service 2012b, 2012c, 2012d) to assess how the loss of 5 individuals per year at Edwards Air Force Base would affect the desert tortoise, first within the Western Mojave Recovery Unit (which is where Edwards Air Force Base is located) and then throughout its range. The numbers in the following table are desert tortoises that are greater than 180 millimeters in length that reside in the sampled areas of critical habitat and other desert tortoise conservation areas; because these numbers do not include smaller individuals and desert tortoises that reside outside the sampled areas, we expect that more desert tortoises occur in the Western Mojave Recovery Unit and throughout the range than are represented in this table. Because of the complexity involved with sampling desert tortoises on such a large scale, the changes in numbers from year to year are more likely from sampling error than actual trends or changes in the number of individuals.

| Year | Area of Estimate | Number of Desert Tortoises | | |
|---|---|---|---|---|
| | | Estimated | Lower 95 Percent CI | Upper 95 Percent CI |
| 2010 | Western Mojave | 20,264 | 13,153 | 31,329 |
| | Range-wide | 95,145 | 77,038 | 117,511 |
| 2011 | Western Mojave | 21,533 | 12,600 | 37,120 |
| | Range-wide | 99,568 | 69,324 | 143,007 |
| 2012 | Western Mojave | 22,260 | 19,894 | 46,735 |
| | Range-wide | 71,827 | 46,685 | 110,509 |

To assume the most conservative approach to this analysis, we assumed that the actual numbers of desert tortoises in the Western Mojave Recovery Unit and range wide were the lowest results from these 3 years (12,600 and 46,685). We also assumed that all five desert tortoises that die would be reproductive. These losses amount to approximately 0.04 and 0.01 percent of the number of desert tortoises over 180 millimeters within sampled areas in Western Mojave Recovery Unit and throughout the range; these percentages would decrease even further if we considered all desert tortoises through the entire recovery unit and range.

Because the Air Force's activities would continue over time, we also calculated how the loss of five individuals over a 20-year period would affect desert tortoise populations. The loss of 100 desert tortoises would comprise approximately 0.79 and 0.21 percent of the Western Mojave Recovery Unit and range-wide populations, respectively.

We acknowledge that we cannot predict whether the numbers of desert tortoises at Edwards Air Force Base, within the Western Mojave Recovery Unit, or range wide would change over the next 20 years. If the number of desert tortoises at Edwards Air Force Base decreases, we expect that the Air Force would encounter fewer individuals while it is implementing actions and, therefore, fewer individuals are likelier to die. If more desert tortoises number occur at Edwards Air Force Base in the future, the risk that desert tortoises would die at any given project would increase but the Air Force's proposed protective measures (including a commitment to re-initiate

formal consultation if five are killed in a year) would prevent an appreciable increase in mortalities.

Consequently, based on the best available information, we conclude that the loss of five desert tortoises per year is not likely to appreciably diminish the number of desert tortoises, either within the Western Mojave Recovery Unit or range wide.
We did not discuss the injury of desert tortoises in this section. The implementing regulations for section 7 of the Endangered Species Act at 50 Code of Federal Regulations 402.14(i)(1)(iv) require the Service to specify the procedures to be used to handle or dispose of any individuals of a species that is killed or injured during the implementation of a proposed action that has undergone formal consultation. Consequently, in the Incidental Take Statement - Disposition of Dead or Injured Specimens section of this biological opinion, we will direct the Air Force to take injured desert tortoises to a qualified veterinarian for treatment and to contact us regarding the final disposition any these animals. If they recover from their injuries to the extent that they can be released to the wild, these animals would not be included in the annual count of dead desert tortoises.

Distribution

Edwards Air Force Base occupies approximately 307,516 acres. Of this total, areas of unsuitable habitat (e.g., Buckhorn, Rogers, and Rosamond dry lakes), cantonment areas; research facilities, fenced operational areas, graded targets, other operational areas, and housing cover approximately 80,640 acres. Consequently, approximately 226,876 acres of desert tortoise habitat occur on base.

The Air Force has proposed to re-initiate formal consultation if 20,000 acres of desert tortoise habitat (15,000 acres outside of critical habitat boundaries and 5,000 within the boundaries of critical habitat) are disturbed by future development. This amount of long-term disturbance would comprise up to approximately 9.09 percent of the desert tortoise habitat on Edwards Air Force Base. Previous consultations with the Air Force generally involved numerous actions that affected scattered, relatively small areas of desert tortoise habitat across Edwards Air Force Base. We expect this general pattern to continue. One exception is the Air Force's proposal to allow for the development and operation of a large solar plant in the northwest corner of Edwards Air Force Base. This solar plant may occupy up to 4,000 acres. We do not have information on the final design of the plant at this time; however, some potential exists that the Air Force and operator would not exclude desert tortoises from the entire project area during its operation.

This future development, including the solar plant in the northwestern corner of the base, would reduce the amount of habitat on base and increase, to some degree, the amount of fragmentation on a local scale. Based on the Nussear et al. (2009, using values of 0.5 to 1) model and our calculations (Waln 2010), the Western Mojave Recovery Unit may support up to 10,316 square miles of desert tortoise habitat. Consequently, the proposed action would result in the loss of approximately 0.30 percent of the habitat in the Western Mojave Recovery Unit. (That is,

20,000 acres of disturbance divided by 640 acres per square mile equals 31.25 square miles. 31.25 square miles divided by 10,316 square miles equals 0.00302. 0.00302 multiplied by 100 equals 0.30 percent.) Because the area that may be disturbed at Edwards Air Force Base is a small proportion of the available habitat in the Western Mojave Recovery Unit and because most of the projects that the Air Force undertakes would be relatively small and scattered throughout

the base, we do not expect this loss of habitat to appreciably reduce the distribution of the desert tortoise with regard to the Western Mojave Recovery Unit.

This loss would comprise approximately 0.11 percent of the range-wide distribution of the desert tortoise, which covers approximately 28,417 square miles, using the values of 0.5 to 1 in the Nussear et al. (2009) model and our calculations (Waln 2010). (That is, 31.25 square miles of disturbance divided by 28,417 square miles equals 0.00109. 0.00109 multiplied by 100 equals 0.11 percent.) This loss of habitat is unlikely to appreciably reduce the distribution of the desert tortoise in relation to the range of the listed taxon.

*Critical Habitat*

We have previously discussed how the various aspects of the Air Force's activities would affect the primary constituent elements of critical habitat, so we will not repeat those analyses here. For the purposes of this analysis, we will assume that any future development within critical habitat is likely to reduce or eliminate the function of the primary constituent elements within the boundaries of that project's area; in terms of the analysis, this assumption likely overstates the effect because some of the primary constituent elements would likely remain after the implementation of at least some of the future actions.

The Air Force anticipates that it may need up to 5,000 acres for the development of new facilities, infrastructure, and new or expanded targets within the approximately 60,800 acres of critical habitat that lie within Edwards Air Force Base. Future development would likely be scattered throughout critical habitat in variously sized parcels. We expect that the Air Force is unlikely to situate larger developments within critical habitat because larger facilities would require more infrastructure support and most of the existing infrastructure is located outside of critical habitat.

The loss or disturbance of 5,000 acres of critical habitat during future development and operations of Edwards Air Force Base has the potential to increase the patchiness of suitable habitat because it could occur in numerous locations. Conversely, we do not expect that scattered development throughout the area of critical habitat within Edwards Air Force Base would measurably affect connectivity, either within or outside of the base. This amount of disturbance would also occupy a relatively small area of the critical habitat on base.

The 5,000 acres comprise approximately 0.96 percent of the Fremont-Kramer Critical Habitat Unit. (That is, 5,000 acres of development divided by 518,000 acres of critical habitat within the Fremont-Kramer Critical Habitat Unit times 100 equals 0.96 percent.) The Service must

consider the effects of a proposed action with regard to the entirety of the 6,446,200 acres of critical habitat that it designated. The 5,000 acres that may be lost or disturbed at Edwards Air Force Base comprise approximately 0.08 percent of critical habitat throughout the range. Because the amount of critical habitat to be lost or disturbed is so small relative to the entire designated area, it is not likely to appreciably diminish the value or function of critical habitat.

**Effects on Recovery**

Edwards Air Force Base occupies a relatively small portion of the Western Mojave Recovery Unit and an even smaller portion of the range of the desert tortoise. Consequently, the activities that the Air Force conducts on base under consideration in this biological opinion are unlikely to have an appreciable direct effect, either positively or negatively, on the recovery of the desert tortoise. The relatively small number of desert tortoises that we expect the Air Force to kill annually is unlikely to appreciably diminish the ability of the desert tortoise to reach stable or increasing population trends in the future. The Air Force's efforts to re-vegetate disturbed areas, close unneeded roads and unused excavations to reduce mortality of desert tortoises, and install exclusion fence and warning signs along roads to reduce mortality on active roads are likely to promote the conservation of the species within Edwards Air Force Base.

We do not consider the maintenance of head starting pens to raise desert tortoises for release to the wild to be an effective tool for recovery of the species at this time. Mortality rates among wild desert tortoises likely remain too high for desert tortoises released from head-starting pens to result in an expanded population; we also suspect that recruitment of reproductive animals from the ranks of juvenile desert tortoises is not occurring at a sustainable rate in at least some areas of the desert. Various studies have shown that protection of reproductive desert tortoises would contribute far more to the stabilization of population trends than the release of smaller individuals. Until we can improve the survival rate of reproductive desert tortoises (and rate of recruitment of juveniles to a reproductive size), the practice of head starting is highly unlikely to affect an increase in wild populations.

The Readiness and Environmental Protection Initiative would implement an important recovery task for the desert tortoise through the Air Force's acquisition in fee title or by easement lands with critical habitat that lie to the east of the base. These acquisitions would preclude the development of the land; such development is generally detrimental, both directly and indirectly, to the long-term conservation of the desert tortoise.

Overall, the operation of Edwards Air Force Base, as described in this biological opinion, including the development of solar energy facilities, is unlikely to adversely affect the recovery of the desert tortoise. We expect the adverse effects of the Air Force's operations to be relatively minor in relation to the range-wide status of the desert tortoise; the Air Force's on-base programs to restore habitat and reduce the mortality of desert tortoises have the potential to offset, to some degree, the adverse effects of its operations. If the Readiness and Environmental Protection Initiative is successfully implemented over time, the removal of the threat of development on

lands important to the long-term conservation of the desert tortoise would constitute an overall positive effect on recovery.

## CUMULATIVE EFFECTS

Cumulative effects include the effects of future State, tribal, local or private actions that are reasonably certain to occur in the action area considered in this biological opinion. Future Federal actions that are unrelated to the proposed action are not considered in this section because they require separate consultation pursuant to section 7 of the Act. Most of the action area is entirely located within Edwards Air Force Base and is therefore on Federal lands; any future actions will be subject to the consultation requirements of section 7(a)(2) of the Act. A small portion of the action area extends from the northwestern corner of Edwards Air Force Base to the Windhub Substation on Oak Creek Road. We are unaware of any non-federal actions that are reasonably certain to occur in this area. Consequently, the proposed action has no associated cumulative effects.

## CONCLUSION

### *Desert Tortoise*

After reviewing its current status, the environmental baseline for the action area, the effects of the proposed action, and the cumulative effects, it is the Service's biological opinion that the proposed action is not likely to jeopardize the continued existence of the desert tortoise. We have reached this conclusion for the following reasons. First, the Air Force has proposed measures to reduce the number of desert tortoises that are likely to be injured or killed in the course of its activities. Second, the few desert tortoises that the Air Force is likely to kill is a minor fraction of the number of desert tortoises range-wide; the loss of these animals is unlikely to measurably affect the number of desert tortoises or reproductive capacity of the listed taxon. Third, the Air Force's efforts to reduce hazards to desert tortoises (e.g., fencing roads and closing excavation in which they can become trapped) are likely to reduce the level of ongoing mortality on base. Fourth, the loss of habitat that is likely to occur during future activities at Edwards Air Force Base will not appreciably reduce the distribution of the desert tortoise.

### *Critical Habitat of the Desert Tortoise*

After reviewing the current status of critical habitat, the environmental baseline for the action area, the effects of the proposed action, and the cumulative effects, it is the Service's biological opinion that the proposed action is not likely to result in the destruction or adverse modification of critical habitat of the desert tortoise. We have reached this conclusion because the amount of critical habitat that is likely to be affected comprises a small portion of the total amount of the critical habitat on Edwards Air Force Base, which itself is a small portion of the larger Fremont-Kramer Critical Habitat Unit and an even smaller portion of critical habitat range wide. Therefore, the amount of disturbance is not likely to compromise the conservation function and value of critical habitat for the desert tortoise.

## INCIDENTAL TAKE STATEMENT

Section 9 of the Act and Federal regulation pursuant to section 4(d) of the Act prohibit the take of endangered and threatened wildlife species, respectively, without special exemption. Take is defined as to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture or collect, or to attempt to engage in any such conduct. Harm is further defined by the Service to include significant habitat modification or degradation that results in death or injury to listed species by significantly impairing essential behavioral patterns, including breeding, feeding, or sheltering. Harass is defined by the Service as an intentional or negligent act or omission which creates the likelihood of injury to wildlife by annoying it to such an extent as to significantly disrupt normal behavioral patterns which include, but are not limited to, breeding, feeding, or sheltering. Incidental take is defined as take that is incidental to, and not the purpose of, the carrying out of an otherwise lawful activity. Under the terms of section 7(b)(4) and section 7(o)(2), taking that is incidental to, and not the purpose of, the agency action is not considered to be prohibited taking under the Act provided that such taking is in compliance with the terms and conditions of this incidental take statement and the avoidance and minimization measures proposed by the Air Force.

The measures described below are non-discretionary; the Air Force must implement these measures during the conduct of its activities or include them as binding conditions of any grant or permit issued to its customers and contractors, as appropriate, for the exemption in section 7(o)(2) to apply. The Air Force has a continuing duty to regulate the activity covered by this incidental take statement. If the Air Force fails to assume and implement the terms and conditions or fails to require its customers and contractors to adhere to the terms and conditions of the incidental take statement through enforceable terms that are added to the permit or grant document, the protective coverage of section 7(o)(2) may lapse. To monitor the impact of incidental take, the Air Force must report the progress of the actions and its impact on the species to the Service as specified in the incidental take statement (50 Code of Federal Regulations 402.14(i)(3)).

The Service anticipates that five desert tortoises per year are likely to be taken, in the form of mortality, as a result of the operation of Edwards Air Force Base. We derived this number through discussions with the Air Force and used it as the basis of our section 7(a)(2) analysis in this biological opinion. This number also serves as a basis for the re-initiation of formal consultation.

We do not expect removing desert tortoises from harm's way during the implementation of the Air Force's activities to result in their injury or mortality. Therefore, we are not including an anticipated amount or extent of this form of take (i.e., capture).

## REASONABLE AND PRUDENT MEASURES AND TERMS AND CONDITIONS

The Air Force and Service agreed to several revisions to the proposed action during the course of formal consultation. Because these revisions have been incorporated into the proposed action of

this biological opinion, we have no additional reasonable and prudent measures or terms and conditions.

As described at the beginning of this section, the protective coverage of section 7(o)(2) may lapse if the Air Force does not abide by the protective measures described in this biological opinion. Additionally, the Air Force remains responsible for complying with the provisions of

Reporting Requirements and Disposition of Dead or Injured Specimens sections of this biological opinion.

REPORTING REQUIREMENTS

Pursuant to 50 Code of Federal Regulations 402.14(i)(3), the Air Force must provide a report to the Service that provides details on each desert tortoise that is killed or injured by its activities. In addition to the information that the Air Force will provide to the Service in its annual report, as described in the Administration of the Consultation section of this biological opinion, the report must also include information on any instances when desert tortoises were killed, injured, or handled, the circumstances of such incidents, and any actions undertaken to prevent similar instances from re-occurring. The report must also include a description of the monitoring efforts that occurred during implementation of actions that occur with desert tortoise habitat.

DISPOSITION OF DEAD OR INJURED SPECIMENS

Within 3 days of locating any dead or injured desert tortoises, the Air Force must notify the Ventura Fish and Wildlife Office by telephone (805 644-1766) and by facsimile or electronic mail. The report must include the date, time, and location of the carcass, a photograph, cause of death, if known, and any other pertinent information.

The Air Force must take any injured desert tortoises to a qualified veterinarian for treatment. If any injured desert tortoises survive, the Air Force must contact the Service regarding their final disposition.

Care must be taken in handling dead specimens to preserve biological material in the best possible state for later analysis, if such analysis is needed. The Service will make this determination when the Air Force provides notice that a desert tortoise has been killed by project activities.

## CONSERVATION RECOMMENDATIONS

Section 7(a)(1) of the Act directs Federal agencies to use their authorities to further the purposes of the Act by carrying out conservation programs for the benefit of endangered and threatened species. Conservation recommendations are discretionary agency activities to minimize or avoid adverse effects of a proposed action on listed species or critical habitat, to help implement recovery plans, or to develop information.

The Service recognizes the effort that the Air Force's undertakes to conserve desert tortoises and their habitat. To meet its obligations under section 7(a)(1) of the Act, the Air Force has implemented several actions. For example, the Air Force has provided funds or personnel to conduct line-distance sampling within the Fremont-Kramer Critical Habitat Unit; the data generated by this sampling effort assists the Service in determining population trends across the range of the desert tortoise.

The Air Force is also working in conjunction with nongovernment conservation organizations to acquire lands through the Readiness and Environmental Protection Initiative program. This program supports cost-sharing partnerships authorized by Congress between the military, private conservation groups, and state and local governments to protect military test and training capabilities and conserve land. In the case of Edwards Air Force Base, the Air Force's goal of maintaining open space under the test flight corridors to the north of the base coincides with the Service's goal of conserving critical habitat of the desert tortoise.

The Air Force plans to continue to close and rehabilitate off-highway vehicle routes near the base and within the Fremont-Kramer Critical Habitat Unit to protect regional desert tortoise populations. Within Edwards Air Force Base, the Air Force plans to continue efforts to install desert tortoise barrier fencing and culverts along heavily traveled roads crossing desert tortoise habitat. The Air Force will prioritize the fencing of areas with high densities of desert tortoises or critical habitat; implementation of these actions is contingent upon available funding. To date, the Air Force has installed approximately 13 miles of desert tortoise exclusionary fencing along roads within Edwards Air Force Base.

In addition to these actions, we also recommend that the Air Force:

1. Assist the Service in implementation of the management plan for the common raven, control of feral dogs, management of subsidies for coyotes (*Canis latrans*), and numerous other activities that are intended to reduce the mortality levels of desert tortoises and improve habitat conditions.

2. Mark small desert tortoises from within project sites prior to their movement from harm's way or translocation. This marking would provide some information on their post-project status if they are encountered during future surveys or monitoring efforts. If the Air Force determines that it will include this requirement, we suggest that the authorized biologist contact the Desert Tortoise Recovery Office to ascertain the most appropriate means of marking the animals.

The Service requests notification of the implementation of any conservation recommendations so we may be kept informed of actions minimizing or avoiding adverse effects or benefitting listed species or their habitats.

RE-INITIATION NOTICE

This concludes formal consultation on operations at Edwards Air Force Base. As provided in 50 CFR 402.16, re-initiation of formal consultation is required where discretionary Federal involvement or control over the action has been retained or is authorized by law and: (1) if the amount or extent of taking specified in the incidental take statement is exceeded; (2) new information reveals effects of the agency action that may affect listed species or critical habitat in a manner or to an extent not considered in this opinion; (3) the agency action is subsequently modified in a manner that causes an effect to the listed species or critical habitat not considered in this opinion; or (4) a new species is listed or critical habitat designated that may be affected by the action. In instances where the amount or extent of incidental take is exceeded, the exemption issued pursuant to section 7(o)(2) will have lapsed and any further take would be a violation of section 4(d) or 9. Consequently, we recommend that any operations causing such take cease pending re-initiation.

If you have any questions, please contact Rachel Henry or Ray Bransfield of my staff at (805) 644-1766, extension 333 and 317.

Sincerely,

Stephen P. Henry
Acting Field Supervisor

Appendices

1. Mojave population of the desert tortoise (*Gopherus agassizii*). 5-year review: summary and evaluation. Available on disk or hard copy by request or at http://ecos.fws.gov/docs/five_year_review/doc3572.DT%205Year%20Review_FINAL.pdf.
2. Solar projects for which the U.S. Fish and Wildlife Service has issued biological opinions or incidental take permits.

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Appendix 2. Solar projects for which the U.S. Fish and Wildlife Service has issued biological opinions or incidental take permits.

The following table summarizes information regarding the proposed solar projects that have undergone formal consultation with regard to the desert tortoise. In the Citations column, a single reference indicates that the acres of desert tortoise habitat and number of desert tortoises are estimates from the biological opinion; when the column includes two citations, the first is for the acres of desert tortoise habitat from the biological opinion and the second is for number of desert tortoises that are known to have been translocated or killed during construction.

| Project and Recovery Unit | Acres of Desert Tortoise Habitat | Desert Tortoises Estimated[1] | Desert Tortoises Observed[2] | Citations[3] |
|---|---|---|---|---|
| **Eastern Mojave** | | | | |
| Ivanpah Solar Electric Generating System | 3,582 | 1,136 | 173 | Service 2011a, 2013d |
| Stateline Solar | 1,685 | 94 | - | Service 2013a |
| Silver State North – NV | 685 | 14 | 4 | Service 2010a, Cota 2013 |
| Silver State South – NV | 2,427[4] | 122[4] | - | Service 2013a |
| Amargosa Farm Road – NV | 4,350 | 4 | - | Burroughs 2012 |
| **Western Mojave** | | | | |
| Abengoa Harper Lake | Primarily in abandoned agricultural fields | 4 | - | Service 2011b |
| Chevron Lucerne Valley | 516 | 10 | - | Service 2010b |
| **Northeastern Mojave** | | | | |
| Nevada Solar One - NV | 400 | [5] | [5] | Burroughs 2012, 2014 |
| Copper Mountain North - NV | 1,400 | 30[5] | 30[5] | Burroughs 2012, 2014 |
| Copper Mountain - NV | 380 | [5] | [5] | Burroughs 2012, 2014 |
| Moapa K Road Solar - NV | 2,141 | 186 | 157 | Service 2012, Burroughs 2013 |
| **Colorado** | | | | |
| Genesis | 1,774 | 8 | 0 | Service 2010c, Fraser 2014 |
| Blythe | 6,958 | 30 | - | Service 2010d |
| Desert Sunlight | 4,004 | 56 | 7 | Service 2011c, Fraser 2014 |
| McCoy | 4,533 | 15 | - | Service 2013b |
| Desert Harvest | 1,300 | 5 | - | Service 2013c |
| Rice | 1,368 | 18 | 1 | Service 2011d, Fraser 2014 |
| **Total** | **37,503** | **1,732** | **372** | |

1. The numbers in this column are not necessarily comparable because the methodologies for estimating the numbers of desert tortoises occasionally vary between projects.
2. This column reflects the numbers of desert tortoises observed within project areas. It includes translocated animals and those that were killed by project activities. Project activities may result in the deaths of more desert tortoises than are found.
3. The first citation in this column is for the biological opinion or incidental take permit and is the source of the information for both acreage and the estimate of the number of desert tortoises. The second is for the number of desert tortoises observed during construction of the project; where only one citation is present, construction has not begun or data are unavailable at this time.
4. These numbers include Southern California Edison's Primm Substation and its ancillary facilities.
5. These projects occurred under the Clark County Multi-species Habitat Conservation Plan; the provisions of the habitat conservation plan do not require the removal of desert tortoises. We estimate that all three projects combined will affect fewer than 30 desert tortoises.

The Service completed consultation on the Calico and Palen projects. The applicant for the Calico project, which was located in the Western Mojave Recovery Unit, has abandoned the project and the Bureau has withdrawn the request for consultation (Bureau 2013). For the Palen project, which is located in the Colorado Desert, BrightSource Energy acquired the project from its former owner and proposed to use power tower technology. The California Energy Commission denied the application but will allow BrightSource Energy to re-apply if it can resolve the issues the California Energy Commission raised. Because of the change in technology, the Bureau re-initiated formal consultation with the Service. As of the March 7, 2014, the Service and Bureau have not completed formal consultation on this project; consequently, we have removed it from the table.

## Appendix 2: References Cited


Bureau of Land Management. 2013. Withdrawal of request for re-initiation of consultation for the Calico Solar Project. Dated August 09. Memorandum to Field Supervisor, Ventura Fish and Wildlife Office, Ventura, California. From Deputy State Director, California State Office. Sacramento, California.

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Burroughs, M. 2014. Electronic mails. Status of solar projects in Nevada. Dated January 27. Biologist, Southern Nevada Field Office, U.S. Fish and Wildlife Service. Las Vegas, Nevada.

Cota, M. 2013. Electronic mail. Comments on the draft biological opinion for the Stateline and Silver State Solar South projects, San Bernardino County, California, and Clark County, Nevada (Stateline: 2800(P), CACA-048669, CAD090.01; Silver State South: 6840 (NV-052)) (Stateline: 8-8-13-F-43; Silver State South: 84320-2010-F-0208-R003). Dated September 18. Wildlife biologist, Pahrump Field Office, Bureau of Land Management. Las Vegas, Nevada.

Davis, D. 2013. Electronic mail. Number of desert tortoises being monitored as control animals for the Ivanpah Solar Electric Generating System. Dated September 9. Senior Compliance Manager, BrightSource Energy, Inc. Oakland, California.

Fraser, J. 2014. Electronic mails. Status of solar projects in Colorado Desert. Dated January 27 and 28. Biologist, Palm Springs Fish and Wildlife Office, U.S. Fish and Wildlife Service. Palm Springs, California.

U.S. Fish and Wildlife Service. 2010a. Formal consultation for the Silver State Solar Project (NextLight Renewable Power, LLC), Clark County, Nevada. File No. 84320-2010-F-0208. Dated September 16. Memorandum to Field Manager, Pahrump Field Office, Bureau of Land Management, Las Vegas, Nevada. From State Supervisor, Nevada Fish and Wildlife Office. Reno, Nevada.

U.S. Fish and Wildlife Service. 2010b. Biological opinion on the Lucerne Valley Chevron Solar Project, San Bernardino County, California (8-8-10-F-6). Memorandum to Field Manager, Barstow Field Office, Bureau of Land Management, Barstow, California. Dated June 10. From Field Supervisor, Ventura Fish and Wildlife Office. Ventura, California.

U.S. Fish and Wildlife Service. 2010c. Biological opinion on the Genesis Solar Energy Project, Riverside County, California. Memorandum to Field Manager, Palm Springs South Coast Field Office, Bureau of Land Management, Palm Springs, California. Dated November 2. From Field Supervisor, Carlsbad Fish and Wildlife Office. Carlsbad, California.

U.S. Fish and Wildlife Service. 2010d. Biological opinion on the Blythe Solar Power Plant, Riverside County, California. Memorandum to Field Manager, Palm Springs South Coast Field Office, Bureau of Land Management, Palm Springs, California. Dated October 8. From Field Supervisor, Carlsbad Fish and Wildlife Office. Carlsbad, California.

U.S. Fish and Wildlife Service. 2011a. Biological opinion on BrightSource Energy's Ivanpah Solar Electric Generating System Project, San Bernardino County, California [CACA-48668, 49502, 49503, 49504] (8-8-10-F-24R). Dated June 10. Memorandum to District Manager, California Desert District, Bureau of Land Management, Moreno Valley, California. From Field Supervisor, Ventura Fish and Wildlife Office. Ventura, California.

U.S. Fish and Wildlife Service. 2011b. Biological opinion on the Mojave Solar, LLC's Mojave Solar Project, San Bernardino County, California (8-8-11-F-3). Letter sent to Director of Environmental Compliance, Loan Guarantee Program, Department of Energy, Washington, D.C. and Field Manager, Barstow Field Office, Bureau of Land Management, Barstow, California. Dated March 17. From Field Supervisor, Ventura Fish and Wildlife Office. Ventura, California.

U.S. Fish and Wildlife Service. 2011c. Biological opinion on the Desert Sunlight Solar Farm Project, Riverside County, California. Memorandum to Field Manager, Palm Springs South Coast Field Office, Bureau of Land Management, Palm Springs, California. Dated July 6. From Field Supervisor, Carlsbad Fish and Wildlife Office. Carlsbad, California

U.S. Fish and Wildlife Service. 2011d. Biological opinion on the Rice Solar Energy Project, Riverside County, California. Dated July 27. Letter to John Holt, Environmental Manager, Desert Southwest Customer Service Region Western Area Power Administration, Phoenix, Arizona. From Jim A. Bartel, Field Supervisor, Carlsbad Fish and Wildlife Office. Carlsbad, California.

U.S. Fish and Wildlife Service. 2012. Biological opinion for the K Road Moapa Solar Project, Moapa River Indian Reservation, Clark County, Nevada. Memorandum to Superintendent, Southern Paiute Agency, Bureau of Indian Affairs. St. George, Utah. Dated March 7. From State Supervisor, Nevada Fish and Wildlife Office. Reno, Nevada.

U.S. Fish and Wildlife Service. 2013a. Biological opinion for the Stateline Solar and Silver State Solar South Projects, San Bernardino County, California, and Clark County, Nevada. Dated September 30. Memorandum to Field Manager, Needles Field Office, Bureau of Land Management, Needles California, and Assistant Field Manager, Las Vegas Field Office, Bureau of Land Management, Las Vegas, Nevada. From Acting Field Supervisor, Ventura Fish and Wildlife Office. Ventura, California.

U.S. Fish and Wildlife Service. 2013b. Biological opinion on the McCoy Solar Power Project, Riverside County, California. Dated March 6. Memorandum to Field Manager, California Desert District Office, Bureau of Land Management, Moreno Valley, California. From Field Supervisor, Carlsbad Fish and Wildlife Office. Carlsbad, California.

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U.S. Fish and Wildlife Service. 2013d. Internal briefing for the Secretary of the Interior regarding the Ivanpah Solar Electric Generating System. Dated June 25. Ventura Fish and Wildlife Office. Ventura, California

# A3. Placeholder for Memorandum of Agreement or Programmatic Agreement

# A4. Agency Input

# Tribal Memoranda

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

22 April 2016

MEMORANDUM FOR RECORD

FROM: 412 CEG/CEVA

SUBJECT: Tribal Correspondence for proposed Solar EUL Project, July 2011

In July 2011 the following were provided correspondence regarding a potential Federal undertaking on Edwards Air Force Base:

Fort Mojave Indian Tribe

Tubatulabals of Kern County

Las Vegas Paiute Tribe

Tejon Indian Tribe

Timbisha Shoshone Tribe

Bishop Paiute Tribe

San Fernando Band of Mission Indians

Tule River Indian Tribe

Kern Valley Indian Council

Serrano Nation of Indians

Big Pine Band of Owens Valley

Moapa Paiute Band

Tehachapi Indian Tribe

AhaMaKav Cultural Society

Tejon Indian Tribe

San Manuel Band of Mission Indians

Lone Pine Paiute Shoshone

Ron Wermuth

Kitanemuk Yowlumne Tejon Indians

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

22 April 2016

MEMORANDUM FOR RECORD

FROM: 412 CEG/CEVA

SUBJECT: Tribal Correspondence for proposed Solar EUL Project, June 2012

In June 2012 the following were provided an update of the potential Federal undertaking on Edwards Air Force Base:

Fort Mojave Indian Tribe

Tubatulabals of Kern County

Las Vegas Paiute Tribe

Timbisha Shoshone Tribe

Bishop Paiute Tribe

San Fernando Band of Mission Indians

Tule River Indian Tribe

Kern Valley Indian Council

Lone Pine Paiute Shoshone

Big Pine Band of Owens Valley

Moapa Paiute Band

Tehachapi Indian Tribe

Tejon Indian Tribe

Kitanemuk Yowlumne Tejon Indians

An email address for the Chairperson could not be obtained for the following:

San Manuel Band of Mission Indians

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

22 April 2016

MEMORANDUM FOR RECORD

FROM: 412 CEG/CEVA

SUBJECT: Tribal Correspondence for proposed Solar EUL Project, October 2014

In October 2014 the following were provided the initial Section 106 notification of a proposed Federal undertaking on Edwards Air Force Base:

Fort Mojave Indian Tribes

Las Vegas Paiute Tribe

Timbisha Shoshone Tribe

Bishop Paiute Tribe

Tule River Indian Tribe

Lone Pine Paiute Shoshone

Big Pine Band of Owens Valley

Moapa Paiute Band

Santa Rosa Rancheria

San Manuel Band of Mission Indians

Morongo Band of Mission Indians

Fort Independence Community of Paiute

Colorado River Indian Tribes

Chemehuevi Indian Tribe

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

Thomas Rademacher
Acting Base Historic Preservation Officer
412th Civil Engineer Group
Environmental Division
12 Laboratory Road Building 4231
Edwards Air Force Base, California 93524

6 October 2014

Dr. Carol Roland-Nawi
California State Historic Preservation Officer
1725 23rd Street, Suite 100
Sacramento, California 95816

Dear Ms. Roland-Nawi

The United States Air Force (Air Force) and Kern County, California are in the early stages of project planning for the proposed Oro Verde Solar Project (OVSP), which is to be located within Kern County on Edwards Air Force Base (AFB). The Air Force on Edwards AFB would like to initiate the Section 106 consultation process, in accordance with 36 CFR 800.3. Likewise, Edwards AFB has also extended invitations to 14 federally recognized tribes soliciting their participation in the Section 106 process as consulting parties. The purpose of the consultation is to discuss 1) the potential impacts of the proposed undertaking on known and unknown archaeological sites, and 2) the development of a Programmatic Agreement (PA) to address mitigation of these resources.

The OVSP is a large scale project and some details are still under negotiation. I would like to share those details that are currently known and have therefore attached Chapter 2, Description of the Proposed Action and Alternatives (DOPAA), of the draft Environmental Impact Statement/Environmental Impact Report, to this letter for your consideration (see attachment 1). The proposed project location is presented in Figure 1 and focuses on the northwest corner of the base. The proposed undertaking is to lease Air Force land to a private renewable energy developer for constructing, operating, maintaining, and eventually decommissioning a solar photovoltaic (PV) renewable energy plant. The developer has not yet defined an exact footprint because power purchase agreements are still being negotiated, but we envision the development of 1,500 to 4,000 acres of non-excess land in the northwest corner of Edwards AFB for a period of up to 50 years. Although there are currently three alternatives proposed for the scale of the development, for the purpose of initiating Section 106 consultation we will assume full project build-out. The full build-out includes the construction, operation, and maintenance of a solar PV facility of up to 450 megawatts (MW) of energy on up to 4,000 acres of undeveloped Air Force property.

The OVSP includes a transmission line that runs approximately 15 miles from the northwest corner of the base to a tie-in located near Mojave, CA. The line crosses federal and private land. In accordance with 36 CFR 800.2(a)(2) the Air Force has been designated the lead federal agency for this undertaking in regards to Section 106 consultation.

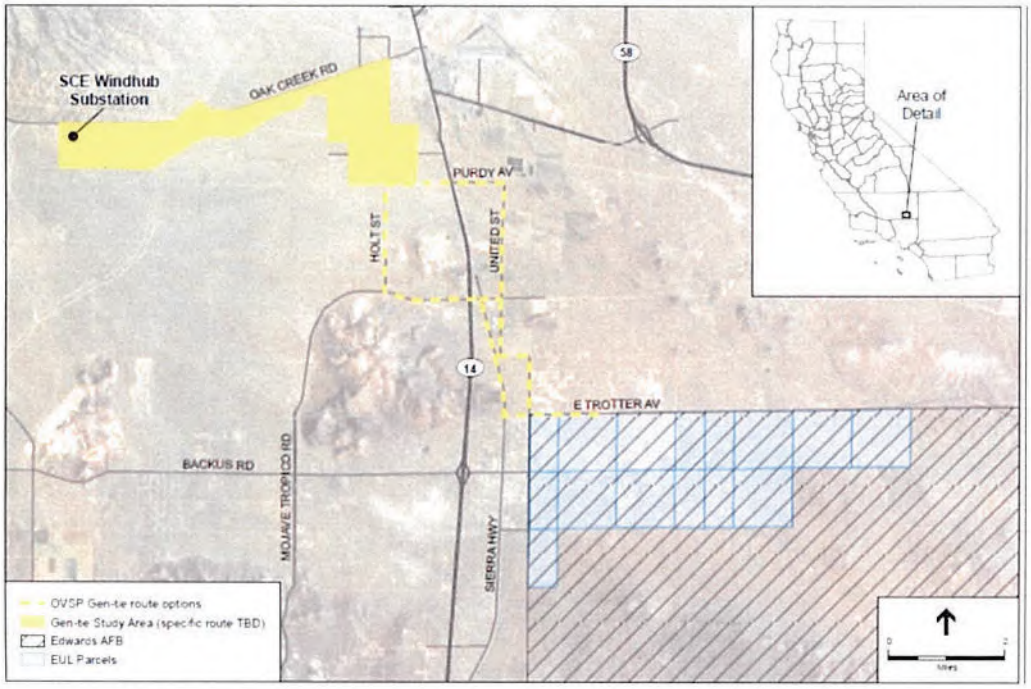


Figure 1. Siting location for the proposed OVSP assuming a full project build-out.

The Air Force has determined that the OVSP has the potential to affect cultural resources, both known and unknown. As such, the developer conducted a Phase I archaeological inventory that consisted of an intensive pedestrian survey of previously un-surveyed areas, which total 3,140 acres within the project area. The survey effort resulted in recording 76 new archaeological sites, updating 121 previously recorded sites, and recording 123 new isolated finds. Table 1 provides a detailed accounting of those resources. No human remains or funerary objects were observed during the field survey. Ground disturbing activities associated with this undertaking are automatically subject to the inadvertent discovery procedures as detailed in the Edwards AFB Integrated Cultural Resources Management Plan 2012.

Providing you with as much information as possible regarding the known cultural resources identified during the recent survey is of the utmost importance. Therefore, I have also attached the Phase I archaeological survey report (see attachment 2) that was prepared as part of 36 CFR 800.4. Although Edwards AFB appreciates the scientific value of archaeological sites, it is also understood that some tribes may ascribe additional cultural, traditional, or religious significance to these or other historic property types such as Traditional Cultural Properties or Landscapes. These are topics that can be addressed as part of the consultation process.

The OVSP is a complex undertaking with many moving parts. A decision made for one aspect of the project can affect other aspects and currently there are many unknown facets to this project in terms of planning. Therefore, it is anticipated that consultation with your office, as well as any invited consulting parties, will occur in tandem with the planning process and will most likely result in developing a PA in accordance with 36 CFR 800.14. Pursuant to 36 CFR 800.4 it will be necessary to determine eligibility for listing in the National Register of known archaeological resources and any additional resources of significance to consulting parties found within the OVSP project area (Figure 1). Those cultural resources determined to be eligible for listing will require some level of mitigation and consultation and be the focus of the PA.

| Archaeological Isolate | Recordation | Count |
|---|---|---|
| Historic | New | 44 |
| Prehistoric | New | 79 |
| | **Grand Total** | **123** |

| Archaeological Site | Resource Type | Recordation | Count |
|---|---|---|---|
| Historic | Refuse deposit | New | 17 |
| Historic | Agricultural feature | New | 2 |
| Subtotal | | | 19 |
| Prehistoric | Lithic deposit | New | 49 |
| Prehistoric | Hearth/Roasting Pit | New | 1 |
| Prehistoric | Temporary Camp | New | 7 |
| | | Subtotal | 57 |
| | | **Total** | **76** |
| Historic | Wells | Update | 3 |
| Historic | Homesite | Update | 8 |
| Historic | Refuse deposit | Update | 18 |
| Historic | Roads and trails | Update | 8 |
| Subtotal | | | 37 |
| Prehistoric | Lithic deposit | Update | 39 |
| Prehistoric | Milling station | Update | 1 |
| Prehistoric | Hearth/Roasting Pit | Update | 4 |
| Prehistoric | Temporary Camp | Update | 40 |
| | | Subtotal | 84 |
| | | **Total** | **121** |
| | | **Grand Total** | **197** |

**Table 1 Survey Results**

I am looking forward to working with you on the proposed OVSP on Edwards AFB. If you have any questions or concerns regarding this project please feel free to contact me, by phone at (661) 277-1402 or email thomas.rademacher.2@edwards.af.mil.

Respectfully,

THOMAS A. RADEMACHER
Chief, Assets Branch NH-3
Acting Base Historic Preservation Officer

2 Attachments
1. Chapter 2 of the draft Environmental Impact Statement/Environmental Impact Report
2. Archaeological survey report

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**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman Virgil Moose
Big Pine Band of Owens Valley
Post Office Box 700
Big Pine, California 93513

Dear Chairman Moose

The United States Air Force (USAF) and Kern County, California are in the early stages of project planning for the proposed Oro Verde Solar Project (OVSP), which is to be located within Kern County on Edwards AFB. The USAF on Edwards AFB would like to invite your tribe to participate in the Section 106 consultation process, in accordance with 36 CFR 800.3. The purpose of this consultation is to discuss 1) the potential impacts of the proposed undertaking on properties that your tribe may consider culturally, traditionally or religiously important, and 2) the development of a Programmatic Agreement (PA) to address mitigation of these resources.

The USAF intends to hold an initial Section 106 consultation meeting in the next three months on Edwards AFB with interested tribes. The meeting will allow me to introduce your tribe to key personnel, as well as officials of the Edwards AFB Tribal Government-to-Government Coordination Team, which I created to facilitate more efficient communications between Edwards AFB and its neighboring tribes. The USAF recognizes that visiting Edwards AFB may not be feasible for some tribes. In cases where tribes are unable to attend but wish to participate in the consultation process, the USAF may accommodate any reasonable requests by tribes to meet at alternate locations.

The OVSP is a large scale project and some details are still under negotiation. I would like to provide those details that are currently known and have therefore attached Chapter 2, *Description of the Proposed Action and Alternatives (DOPAA)*, of the draft Environmental Impact Statement/Environmental Impact Report, to this letter for your consideration (see attachment 1). The proposed project location is presented in Figure 1 and focuses on the northwest corner of the installation. The proposed undertaking is to lease USAF land to a private renewable energy developer for constructing, operating, maintaining and eventually decommissioning a solar photovoltaic (PV) renewable energy plant. The developer has not yet defined an exact footprint because power purchase agreements are still being negotiated, but we envision the development of 1,500 to 4,000 acres of non-excess land in the northwest corner of Edwards AFB for a period of up to 50 years. Although there are currently three alternatives proposed for the scale of the development, for the purpose of initiating Section 106 consultation we will assume full project build-out. The full build-out includes the construction, operation and maintenance of a solar PV facility of up to 450 megawatts (MW) of energy on up to 4,000 acres of undeveloped USAF property.

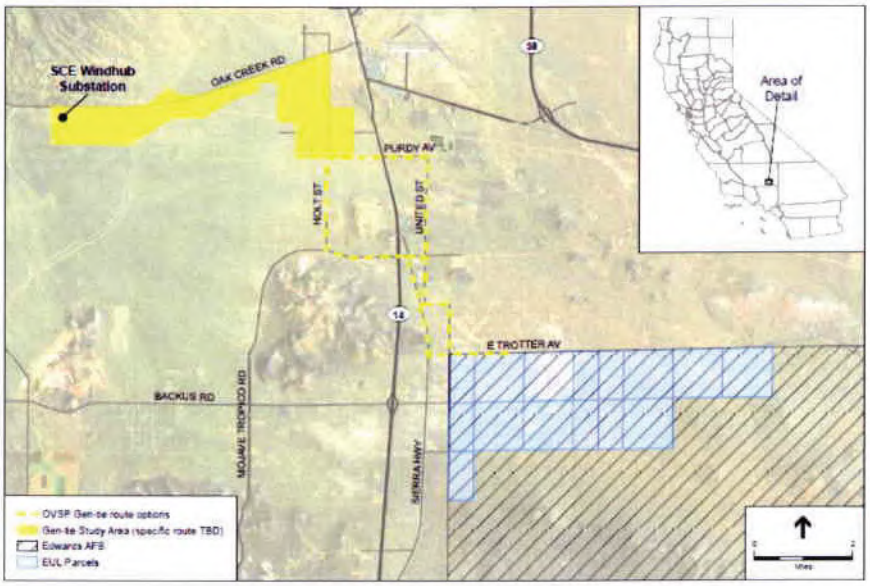

Figure 1. Siting location for the proposed OVSP assuming a full project build-out.

The OVSP includes a transmission line that runs approximately 15 miles from the northwest corner of the installation to a tie-in located near Mojave, California. The line crosses Federal and private land. In accordance with 36 CFR 800.2(a)(2) the USAF has been designated the lead Federal agency for this undertaking with regard to Section 106 consultation.

The USAF has determined that the OVSP has the potential to affect cultural resources, both known and unknown. As such, the developer conducted a Phase I archaeological inventory that consisted of an intensive pedestrian survey of previously un-surveyed areas, which total 3,140 acres within the project area. The survey effort resulted in recording of 76 new archaeological sites and 123 new isolated finds, and updating of 121 previously recorded sites. Table 1 provides a detailed accounting of those resources. No human remains or funerary objects were observed during the field survey. Ground disturbing activities associated with this undertaking are automatically subject to the inadvertent discovery procedures as detailed in the Edwards AFB Integrated Cultural Resources Management Plan 2012.

Providing your tribe with as much information as possible regarding the known cultural resources identified during the recent survey is of the utmost importance. Therefore, I have also attached the Phase I archaeological survey report (see attachment 2) that was prepared as part of 36 CFR 800.4. Although we appreciate the scientific value of archaeological sites we recognize that your tribe may ascribe additional cultural, traditional or religious significance to these or other historic property types such as Traditional Cultural Properties or Landscapes. These are topics that can be addressed as part of the consultation process.

| **Archaeological Isolate** | **Recordation** | **Count** |
|---|---|---|
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| | | | |
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**Table 1 Survey Results**

The OVSP is a complex undertaking with many moving parts. A decision made for one aspect of the project can affect other aspects and currently there are many unknown facets to this project in terms of planning. Therefore, it is anticipated that consultation with your tribe will result in the development of a PA in accordance with 36 CFR 800.14. Pursuant to 36 CFR 800.4, it will be necessary to determine eligibility for listing of the known archaeological resources, and any additional resources of significance to your tribe within the OVSP project area (Figure 1), in the National Register of Historic Places. Those cultural resources determined to be eligible for listing will require some level of mitigation and consultation and be the focus of the PA. The PA is a legally binding document that will clearly define the parties to the agreement, the purpose of the agreement and stipulate the responsibility or obligation of each party member. In short, the PA will ensure the historic properties impacted by the OVSP, including those resources identified by your tribe to be religiously or culturally significant, will be treated in a manner agreeable to each party to the PA.

The USAF, as lead Federal agency, welcomes your tribe's participation in the Section 106 process and solicits your input about properties of religious or cultural significance. If you would like additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please have your staff contact the acting Base Historic Preservation Officer, Mr. Thomas Rademacher, by phone at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully

MICHAEL T. BREWER
Brigadier General, USAF
Commander

2 Attachments
1. Chapter 2 of the Draft Environmental Impact Statement/Environmental Impact Report
2. Archaeological Survey Report

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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 412TH TEST WING (AFMC)
EDWARDS AIR FORCE BASE CALIFORNIA

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman Dale Delgado
Bishop Paiute Tribe
50 Tu Su Lane
Bishop, California 93514

Dear Chairman Delgado

The United States Air Force (USAF) and Kern County, California are in the early stages of project planning for the proposed Oro Verde Solar Project (OVSP), which is to be located within Kern County on Edwards AFB. The USAF on Edwards AFB would like to invite your tribe to participate in the Section 106 consultation process, in accordance with 36 CFR 800.3. The purpose of this consultation is to discuss 1) the potential impacts of the proposed undertaking on properties that your tribe may consider culturally, traditionally or religiously important, and 2) the development of a Programmatic Agreement (PA) to address mitigation of these resources.

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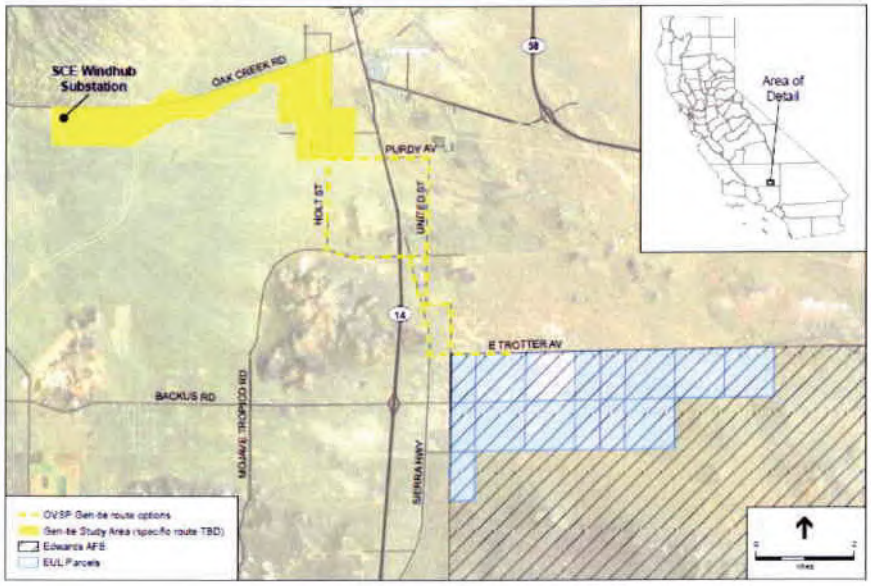


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Respectfully

MICHAEL T. BREWER
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**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman Edward Smith
Chemehuevi Indian Tribe
Post Office Box 1976
Chemehuevi Valley, California 92363

Dear Chairman Smith

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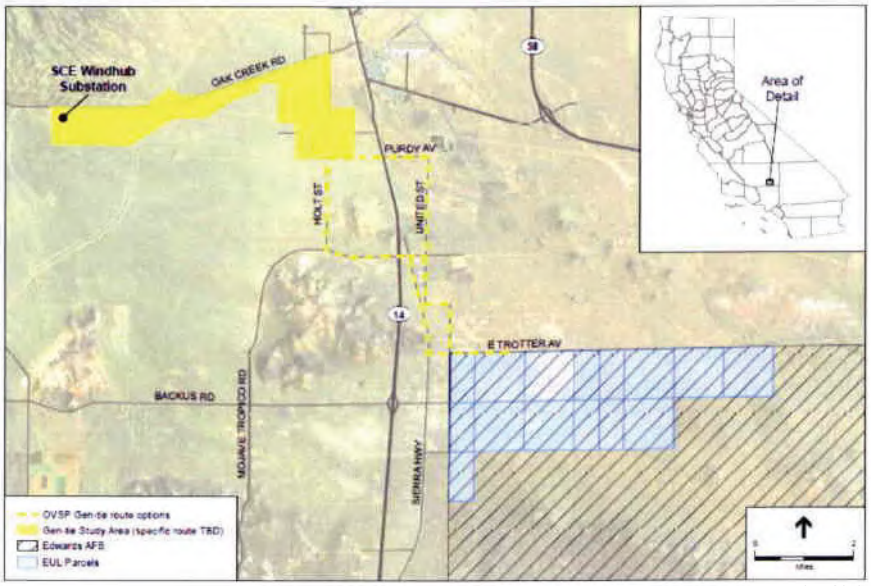

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Respectfully

MICHAEL T. BREWER
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**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman Dennis Patch
Colorado River Indian Tribes
2660 Mojave Road
Parker, Arizona 85344

Dear Chairman Patch

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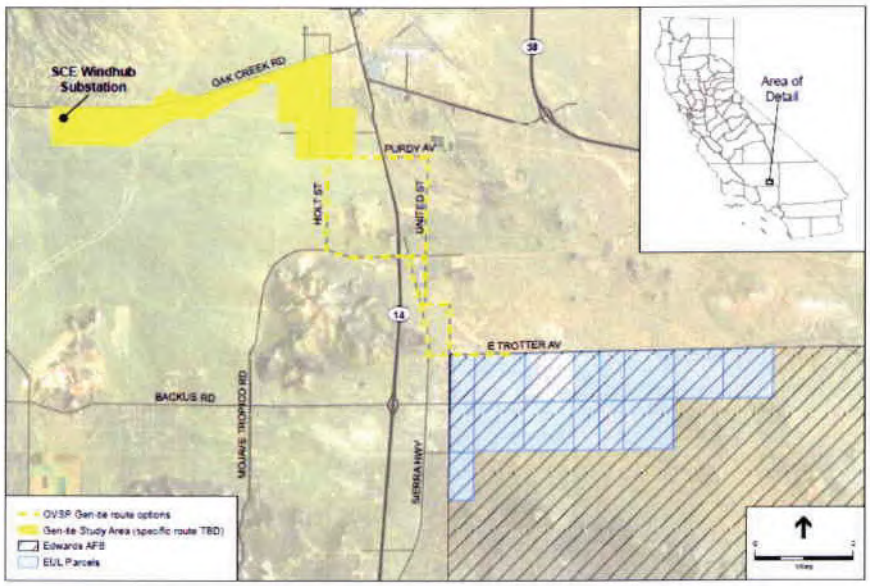

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**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman Israel Naylor
Fort Independence Community of Paiute
Post Office Box 67
Independence, California 93526

Dear Chairman Naylor

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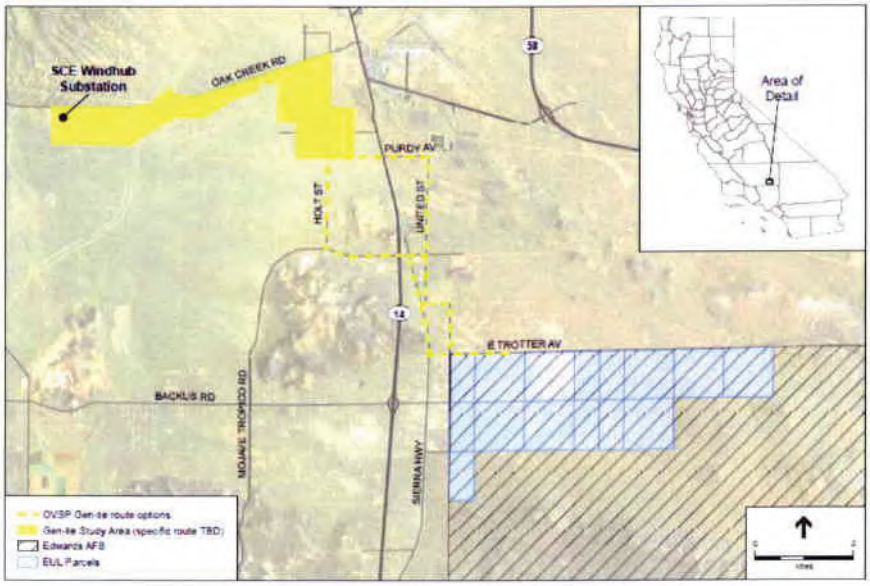

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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 412TH TEST WING (AFMC)
EDWARDS AIR FORCE BASE CALIFORNIA

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman Timothy Williams
Fort Mojave Indian Tribes
500 Merriman Avenue
Needles, California 92363

Dear Chairman Williams

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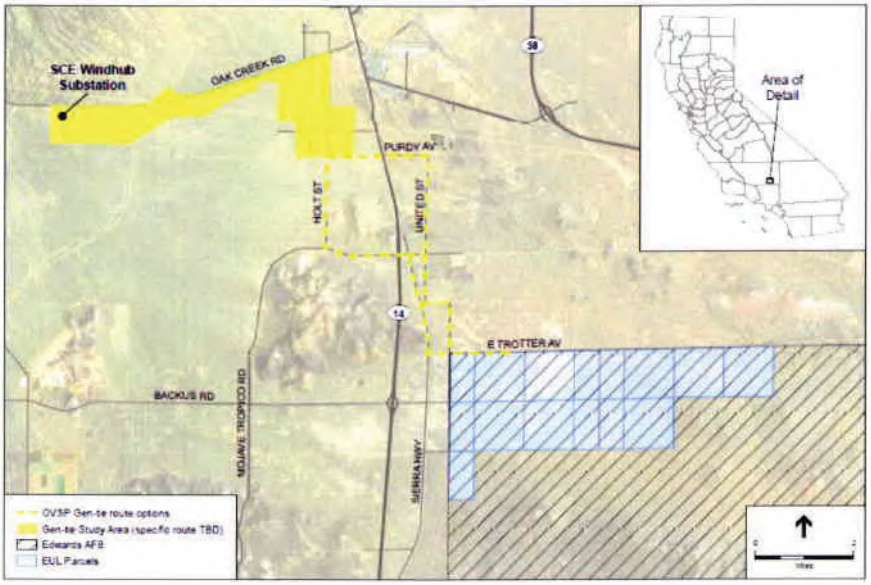


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Respectfully

MICHAEL T. BREWER
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Commander

2 Attachments
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**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman Benny Tso
Las Vegas Paiute Tribe
1 Paiute Drive
Las Vegas, Nevada 89106

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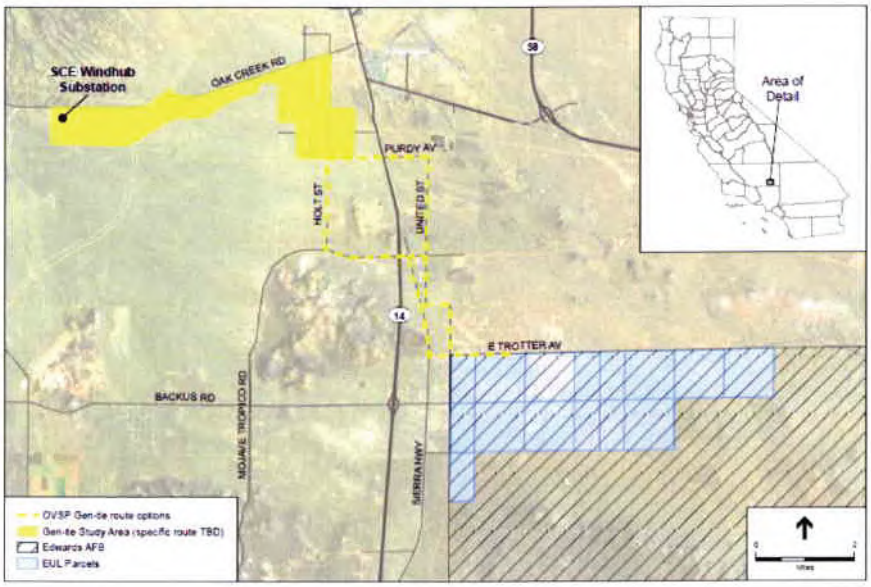

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**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairperson Mary Wuester
Lone Pine Paiute Shoshone Reservation
Post Office Box 747
Lone Pine, California 93545

Dear Chairperson Wuester

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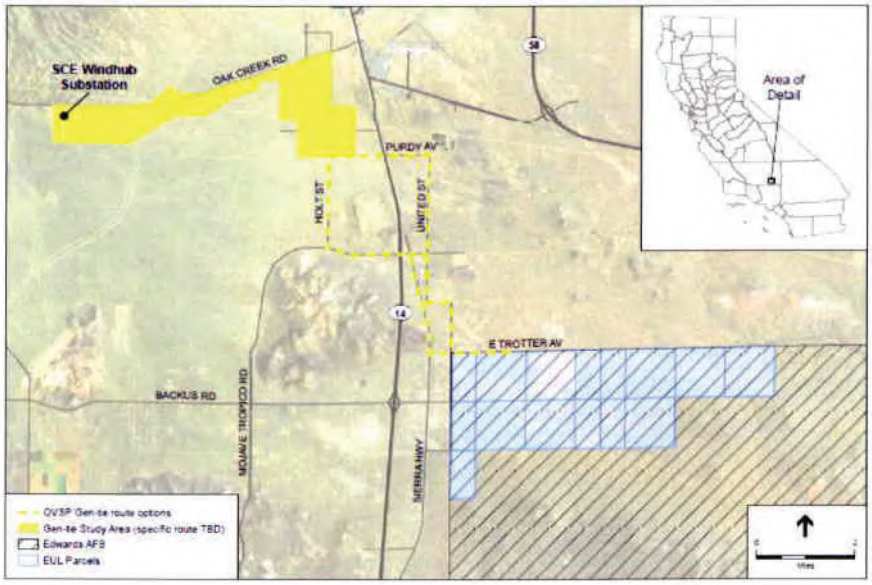


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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 412TH TEST WING (AFMC)
EDWARDS AIR FORCE BASE CALIFORNIA

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman William Anderson
Moapa Paiute Band of the Moapa Reservation
Post Office Box 56
Moapa, Nevada 89025

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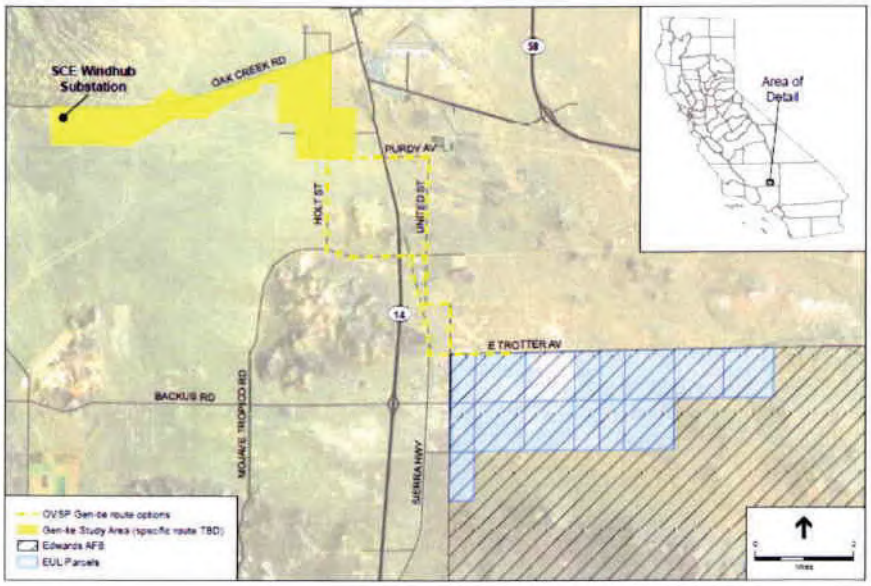


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Commander

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1. Chapter 2 of the Draft Environmental Impact Statement/Environmental Impact Report
2. Archaeological Survey Report

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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 412TH TEST WING (AFMC)
EDWARDS AIR FORCE BASE CALIFORNIA

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman Robert Martin
Morongo Band of Mission Indians
12700 Pumarra Road
Banning, California 92220

Dear Chairman Martin

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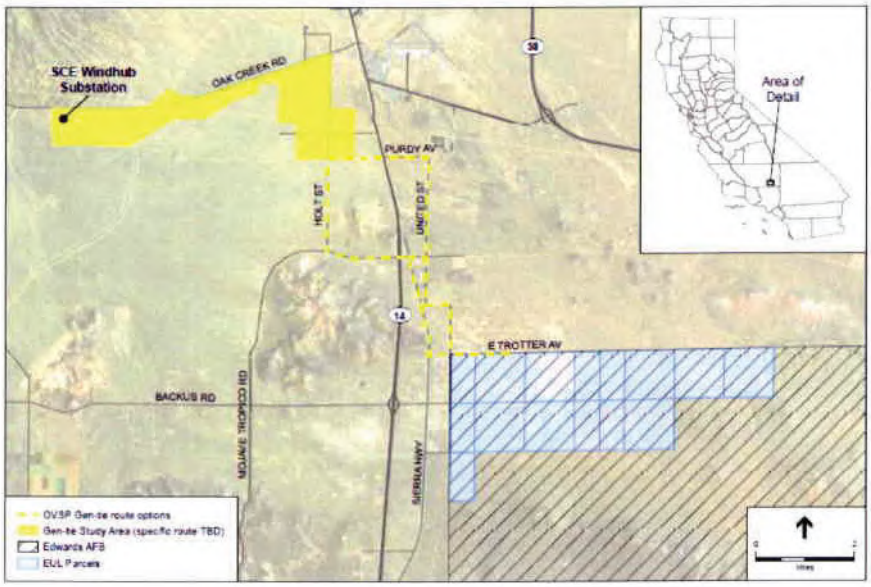

Figure 1. Siting location for the proposed OVSP assuming a full project build-out.

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MICHAEL T. BREWER
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CHAIRPERSON

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**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairperson Lynn Valbuena
San Manuel Band of Mission Indians
26569 Community Center Drive
Highland, California 92346

Dear Chairperson Valbuena

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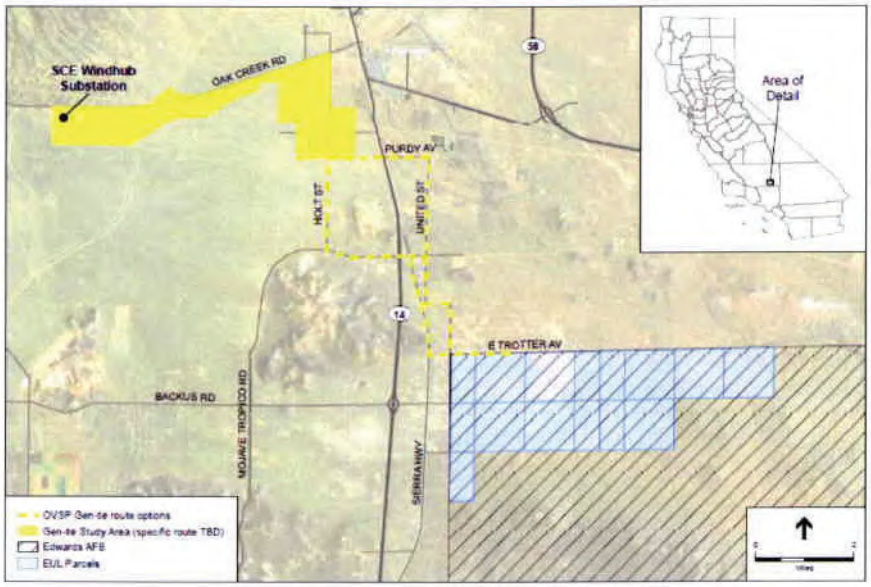

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LYNN VALBUENA
CHAIRPERSON
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HIGHLAND CA 92346

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**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

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Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman Hector Franco
Santa Rosa Rancheria
16835 Alkali Drive
Lemoore, California 93245

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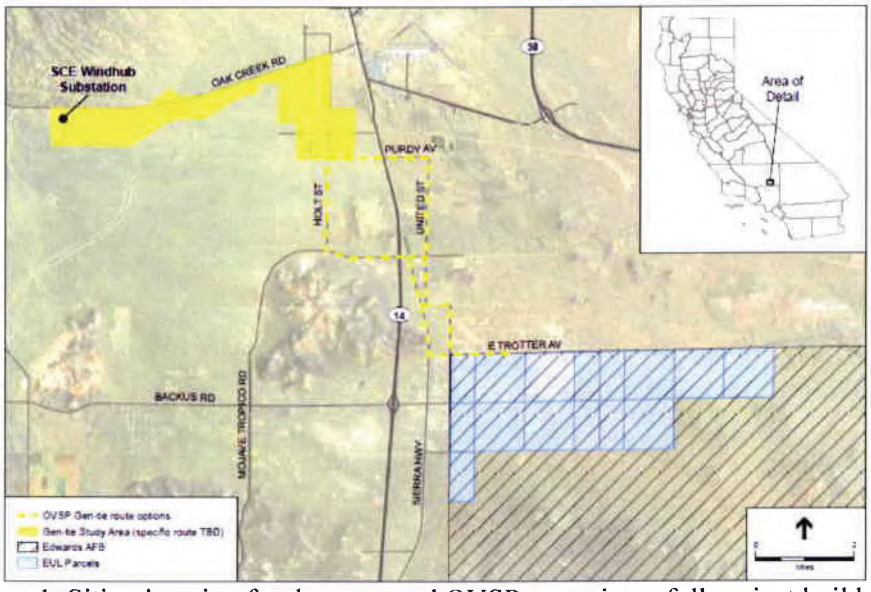

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CHAIRMAN
16835 ALKALI DRIVE
LEMOORE CA 93245

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**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman George Gholson
Timbisha Shoshone Tribe
621 West Line Street Suite 109
Bishop, California 93514

Dear Chairman Gholson

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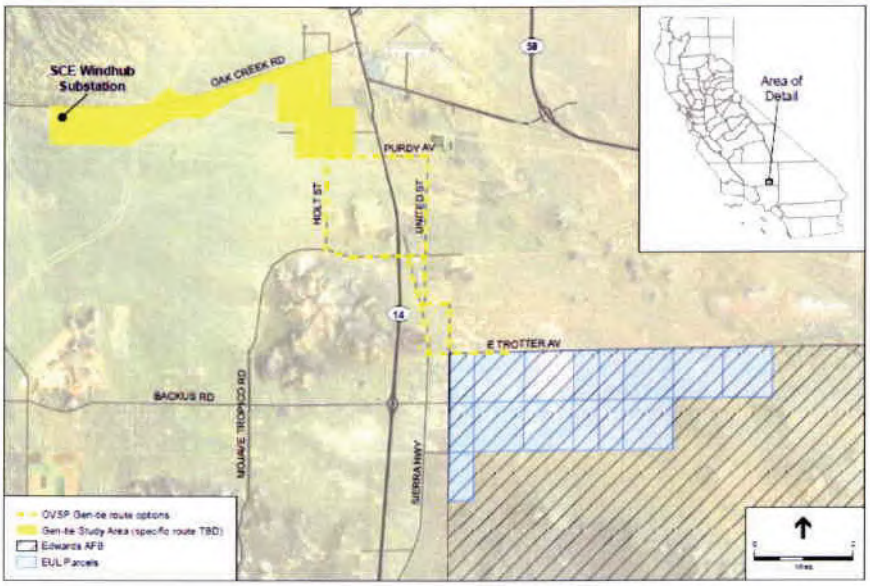


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| | | **Total** | **121** |
| | | **Grand Total** | **197** |

**Table 1 Survey Results**

The OVSP is a complex undertaking with many moving parts. A decision made for one aspect of the project can affect other aspects and currently there are many unknown facets to this project in terms of planning. Therefore, it is anticipated that consultation with your tribe will result in the development of a PA in accordance with 36 CFR 800.14. Pursuant to 36 CFR 800.4, it will be necessary to determine eligibility for listing of the known archaeological resources, and any additional resources of significance to your tribe within the OVSP project area (Figure 1), in the National Register of Historic Places. Those cultural resources determined to be eligible for listing will require some level of mitigation and consultation and be the focus of the PA. The PA is a legally binding document that will clearly define the parties to the agreement, the purpose of the agreement and stipulate the responsibility or obligation of each party member. In short, the PA will ensure the historic properties impacted by the OVSP, including those resources identified by your tribe to be religiously or culturally significant, will be treated in a manner agreeable to each party to the PA.

The USAF, as lead Federal agency, welcomes your tribe's participation in the Section 106 process and solicits your input about properties of religious or cultural significance. If you would like additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please have your staff contact the acting Base Historic Preservation Officer, Mr. Thomas Rademacher, by phone at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully

MICHAEL T. BREWER
Brigadier General, USAF
Commander

2 Attachments
1. Chapter 2 of the Draft Environmental Impact Statement/Environmental Impact Report
2. Archaeological Survey Report

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CHAIRPERSON
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**PS Form 3800, August 2006** **See Reverse for Instructions**

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

Michael T. Brewer
Brigadier General, United States Air Force
Commander, 412th Test Wing
195 East Popson Avenue
Edwards Air Force Base, California 93524

Chairman Neil Peyron
Tule River Indian Tribe
Post Office Box 589
Porterville, California 93258

Dear Chairman Peyron

The United States Air Force (USAF) and Kern County, California are in the early stages of project planning for the proposed Oro Verde Solar Project (OVSP), which is to be located within Kern County on Edwards AFB. The USAF on Edwards AFB would like to invite your tribe to participate in the Section 106 consultation process, in accordance with 36 CFR 800.3. The purpose of this consultation is to discuss 1) the potential impacts of the proposed undertaking on properties that your tribe may consider culturally, traditionally or religiously important, and 2) the development of a Programmatic Agreement (PA) to address mitigation of these resources.

The USAF intends to hold an initial Section 106 consultation meeting in the next three months on Edwards AFB with interested tribes. The meeting will allow me to introduce your tribe to key personnel, as well as officials of the Edwards AFB Tribal Government-to-Government Coordination Team, which I created to facilitate more efficient communications between Edwards AFB and its neighboring tribes. The USAF recognizes that visiting Edwards AFB may not be feasible for some tribes. In cases where tribes are unable to attend but wish to participate in the consultation process, the USAF may accommodate any reasonable requests by tribes to meet at alternate locations.

The OVSP is a large scale project and some details are still under negotiation. I would like to provide those details that are currently known and have therefore attached Chapter 2, *Description of the Proposed Action and Alternatives (DOPAA)*, of the draft Environmental Impact Statement/Environmental Impact Report, to this letter for your consideration (see attachment 1). The proposed project location is presented in Figure 1 and focuses on the northwest corner of the installation. The proposed undertaking is to lease USAF land to a private renewable energy developer for constructing, operating, maintaining and eventually decommissioning a solar photovoltaic (PV) renewable energy plant. The developer has not yet defined an exact footprint because power purchase agreements are still being negotiated, but we envision the development of 1,500 to 4,000 acres of non-excess land in the northwest corner of Edwards AFB for a period of up to 50 years. Although there are currently three alternatives proposed for the scale of the development, for the purpose of initiating Section 106 consultation we will assume full project build-out. The full build-out includes the construction, operation and maintenance of a solar PV facility of up to 450 megawatts (MW) of energy on up to 4,000 acres of undeveloped USAF property.

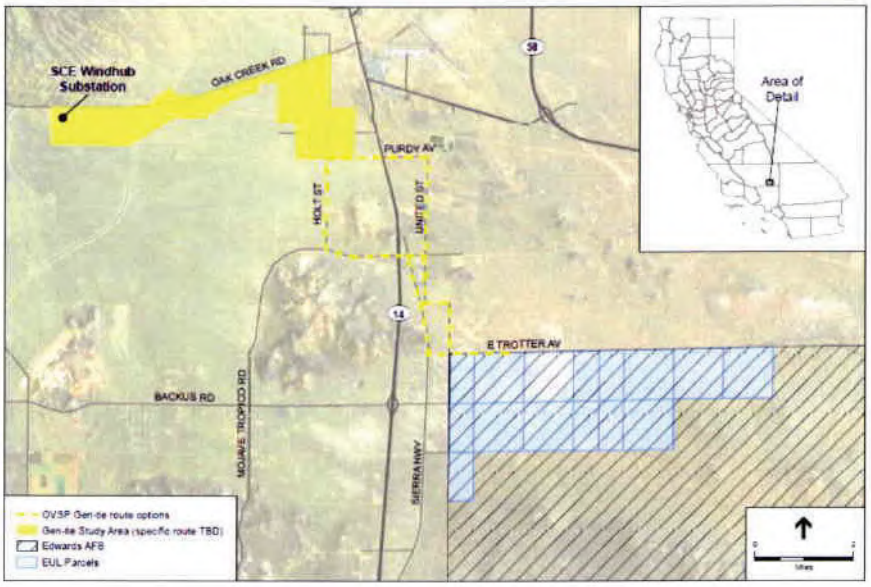


Figure 1. Siting location for the proposed OVSP assuming a full project build-out.

The OVSP includes a transmission line that runs approximately 15 miles from the northwest corner of the installation to a tie-in located near Mojave, California. The line crosses Federal and private land. In accordance with 36 CFR 800.2(a)(2) the USAF has been designated the lead Federal agency for this undertaking with regard to Section 106 consultation.

The USAF has determined that the OVSP has the potential to affect cultural resources, both known and unknown. As such, the developer conducted a Phase I archaeological inventory that consisted of an intensive pedestrian survey of previously un-surveyed areas, which total 3,140 acres within the project area. The survey effort resulted in recording of 76 new archaeological sites and 123 new isolated finds, and updating of 121 previously recorded sites. Table 1 provides a detailed accounting of those resources. No human remains or funerary objects were observed during the field survey. Ground disturbing activities associated with this undertaking are automatically subject to the inadvertent discovery procedures as detailed in the Edwards AFB Integrated Cultural Resources Management Plan 2012.

Providing your tribe with as much information as possible regarding the known cultural resources identified during the recent survey is of the utmost importance. Therefore, I have also attached the Phase I archaeological survey report (see attachment 2) that was prepared as part of 36 CFR 800.4. Although we appreciate the scientific value of archaeological sites we recognize that your tribe may ascribe additional cultural, traditional or religious significance to these or other historic property types such as Traditional Cultural Properties or Landscapes. These are topics that can be addressed as part of the consultation process.

| **Archaeological Isolate** | **Recordation** | **Count** |
|---|---|---|
| Historic | New | 44 |
| Prehistoric | New | 79 |
| | **Grand Total** | **123** |

| **Archaeological Site** | **Resource Type** | **Recordation** | **Count** |
|---|---|---|---|
| Historic | Refuse deposit | New | 17 |
| Historic | Agricultural feature | New | 2 |
| Subtotal | | | 19 |
| Prehistoric | Lithic deposit | New | 49 |
| Prehistoric | Hearth/roasting pit | New | 1 |

| | | | |
|---|---|---|---|
| Prehistoric | Temporary camp | New | 7 |
| | | Subtotal | 57 |
| | | **Total** | **76** |
| Historic | Wells | Update | 3 |
| Historic | Homesite | Update | 8 |
| Historic | Refuse deposit | Update | 18 |
| Historic | Roads and trails | Update | 8 |
| Subtotal | | | 37 |
| Prehistoric | Lithic deposit | Update | 39 |
| Prehistoric | Milling station | Update | 1 |
| Prehistoric | Hearth/roasting pit | Update | 4 |
| Prehistoric | Temporary camp | Update | 40 |
| | | Subtotal | 84 |
| | | **Total** | **121** |
| | | **Grand Total** | **197** |

**Table 1 Survey Results**

The OVSP is a complex undertaking with many moving parts. A decision made for one aspect of the project can affect other aspects and currently there are many unknown facets to this project in terms of planning. Therefore, it is anticipated that consultation with your tribe will result in the development of a PA in accordance with 36 CFR 800.14. Pursuant to 36 CFR 800.4, it will be necessary to determine eligibility for listing of the known archaeological resources, and any additional resources of significance to your tribe within the OVSP project area (Figure 1), in the National Register of Historic Places. Those cultural resources determined to be eligible for listing will require some level of mitigation and consultation and be the focus of the PA. The PA is a legally binding document that will clearly define the parties to the agreement, the purpose of the agreement and stipulate the responsibility or obligation of each party member. In short, the PA will ensure the historic properties impacted by the OVSP, including those resources identified by your tribe to be religiously or culturally significant, will be treated in a manner agreeable to each party to the PA.

The USAF, as lead Federal agency, welcomes your tribe's participation in the Section 106 process and solicits your input about properties of religious or cultural significance. If you would like additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please have your staff contact the acting Base Historic Preservation Officer, Mr. Thomas Rademacher, by phone at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully

MICHAEL T. BREWER
Brigadier General, USAF
Commander

2 Attachments
1. Chapter 2 of the Draft Environmental Impact Statement/Environmental Impact Report
2. Archaeological Survey Report

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**PS Form 3800, August 2006** **See Reverse for Instructions**

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

MEMORANDUM FOR RECORD

FROM: 412 CEG/CEVA

SUBJECT: Tribal Correspondence for proposed Edwards Solar EUL Project (also known as Solar EUL Project), January 2017

On 5 January 2017 the Air Force provided the following Federally Recognized Tribes notification of the continuing Federal undertaking and reiterated the invitation to consult on the Edwards AFB Solar EUL Project:

Big Pine Band of Owens Valley

Bishop Paiute Tribe

Chemehuevi Indian Tribe

Colorado River Indian Tribes (CRIT) Tribal Council

Fort Independence Community of Paiute

Fort Mojave Indian Tribe

Las Vegas Paiute Tribe

Lone Pine Paiute-Shoshone

Moapa Paiute Band

Morongo Band of Mission Indians

San Manuel Band of Mission Indians

Tachi-Yokut Tribe

Tejon Indian Tribe

Timbisha Shoshone Tribe

Tule River Indian Tribe

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

5 JAN 17

Shannon Romero, Chairwoman
Big Pine Band of Owens Valley
Post Office Box 700
Big Pine, California 93513

Dear Chairwoman Romero

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 – 4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum

buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Deston Rogers, Chairman
Bishop Paiute Tribe
50 Tu Su Lane
Bishop, CA 93514

Dear Chairman Rogers

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 – 4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum

buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 412TH TEST WING (AFMC)
EDWARDS AIR FORCE BASE, CALIFORNIA

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Charles F. Wood, Chairman
Chemehuevi Indian Tribe
P.O. Box 1976
Havasu Lake, CA 92363

Dear Chairman Wood

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 – 4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum

buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Dennis Patch, Chairman
Colorado River Indian Tribes (CRIT) Tribal Council
26600 Mohave Road
Parker, AZ 85344

Dear Chairman Patch

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

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buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Norm Wilder, Chairman
Fort Independence Community of Paiute
P.O. Box 67
Independence CA 93526

Dear Chairman Wilder

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

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Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Timothy Williams, Chairman
Fort Mojave Indian Tribe
500 Merriman Avenue
Needles, CA 92363

Dear Chairman Williams

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 – 4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum

buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Benny Tso, Chairman
Las Vegas Paiute Tribe
1 Paiute Drive
Las Vegas, NV 89106

Dear Chairman Tso

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 – 4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum

buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Mary Wuester, Chairwoman
Lone Pine Paiute-Shoshone
1103 S Main Street
Lone Pine, CA 93545

Dear Chairwoman Wuester

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 – 4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum

buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Robert Tom, Chairman
Moapa Paiute Band
1 Lincoln St
P.O. Box 340
Moapa, NV 89025

Dear Chairman Tom

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 –

4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Robert Martin, Tribal Chairman
Morongo Band of Mission Indians
12700 Pumarra Road
Banning, CA 92220

Dear Chairman Martin

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 – 4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum

buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Chairperson Lynn Valbuena
San Manuel Band of Mission Indians
26569 Community Center Drive
Highland, CA 92346

Dear Chairperson Valbuena

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 – 4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum

buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 412TH TEST WING (AFMC)
EDWARDS AIR FORCE BASE, CALIFORNIA

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Ruben Barrios, Chairman
Tachi-Yokut Tribe
Santa Rosa Rancheria
16835 Alkali Dr. Box 8
Lemoore, CA 93245

Dear Chairman Barrios

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 –

4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Octavio Escobedo, Chairperson
Tejon Indian Tribe
1731 Hasti-Acres Drive, Suite 108
Bakersfield, California 93309

Dear Chairman Escobedo

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed since November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

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buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

George Gholson, Chairman
Timbisha Shoshone Tribe
621 West Line, Suite 109
Bishop, CA 93514

Dear Chairman Gholson

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 – 4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum

buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

5 JAN 17

Thomas A. Rademacher
412th Civil Engineer Group, Environmental Management Division
120 North Rosamond Boulevard
Edwards Air Force Base, California 93524

Neil Peyron, Chairman
Tule River Indian Tribe
340 N Reservation Rd.
Porterville, CA 93257

Dear Chairman Peyron

I would like to invite you to take part in the consultation and project review process, as defined in Section 106 of the National Historic Preservation Act (NHPA). The United States Air Force (USAF) and County of Kern, California are supporting the continuing development of a solar energy collection project, to be constructed within the boundary of Edwards Air Force Base (AFB). Because this is an undertaking that involves federal land, we are seeking your involvement and we invite you to take part in a government-to-government dialogue regarding your interest in, or any concerns you may have about the effects that this project may have on historic properties.

We are still in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. In addition, the strategy to develop this project has changed from our last correspondence in November of 2014, although the plan to construct the facility as part of an Enhanced Use Lease (EUL) program remains unchanged. The EUL strategy is preferred because it allows the development of a utility-scale solar photovoltaic facility on non-excess real property.

The portion of land that has been identified for development includes approximately 200 known archaeological sites. The sites are comprised of both prehistoric and historic resources. Edwards AFB also recognizes that in addition to those resources that other historic property types such as Traditional Cultural Properties, landscapes, or viewsheds need to be considered, per requirements of environmental and historic preservation law (e.g., National Environmental Policy Act, the Archaeological Resources Protection Act, the NHPA, and other related laws and Executive Orders).

Edwards Air Force Base has prepared a draft Programmatic Agreement addressing the proposed treatment of historic properties that potentially would be impacted by the construction, operation, and eventual decommissioning of this solar facility. The attached draft, for your consideration, is intended to represent our approach to addressing the resources present. In addition to the attached Programmatic Agreement, we anticipate drafting Memoranda of Agreement for your consideration as one or more project developers are selected and specific project components are designed.

Environmental analysis of the proposed action under the National Environmental Policy Act has shifted from a project specific Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to a Programmatic EIS/EIR. This approach is appropriate given that a developer for the project has not yet been selected. Edwards AFB has limited the extent of the facility to the previously discussed 1,500 – 4,000 acres of land in the northwestern corner of the installation with the latter defining the maximum

buildout of the project. The power output of the proposed facility is expected to range between 150 and 450 megawatts. Generated electricity will require a transmission line extending away from Edwards AFB, to connect to the local power grid. All portions of the project will require Section 106 review and entail coordination with a variety of stakeholders in addition to Native American Tribes, with the USAF acting as lead Federal agency.

We are in the planning stages of this project and await project specific details upon the selection of a developer to construct the facility. The USAF, as lead Federal agency, welcomes the participation of your tribe in the Section 106 process and we are seeking your interest in consulting on this project as it unfolds and details become available. In particular, we request any information you may wish to provide regarding items of tribal interest that may be impacted by the project. If your tribe has any recommendations for measures that you wish the Air Force to consider during development of the site in order to protect tribal interests please let us know. The success of our Section 106 consultation with the California State Historic Preservation Officer depends on your input about properties of religious or cultural significance in or near the project area. If you are interested in additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please contact me at (661) 277-1402 or by e-mail thomas.rademacher.2@us.af.mil.

Respectfully,

Thomas A. Rademacher
Chief, Assets Branch
Environmental Management Division

Attachment: Edwards AFB Solar EUL Programmatic Agreement

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE CALIFORNIA**

MEMORANDUM FOR RECORD

FROM: 412 CEG/CEVA

SUBJECT: Tribal Correspondence for proposed Edwards Solar EUL Project (also known as Solar EUL Project), December 2017

On 4 December 2017 the Air Force provided the following Federally Recognized Tribes notification of Scoping of the Edwards AFB Solar EUL Project EIS/EIR:

Big Pine Band of Owens Valley

Bishop Paiute Tribe

Chemehuevi Indian Tribe

Colorado River Indian Tribes (CRIT) Tribal Council

Fort Independence Community of Paiute

Fort Mojave Indian Tribe

Las Vegas Paiute Tribe

Lone Pine Paiute-Shoshone

Moapa Paiute Band

Morongo Band of Mission Indians

San Manuel Band of Mission Indians

Tachi-Yokut Tribe

Tejon Indian Tribe

Timbisha Shoshone Tribe

Tule River Indian Tribe

**DEPARTMENT OF THE AIR FORCE**
**HEADQUARTERS 412TH TEST WING (AFMC)**
**EDWARDS AIR FORCE BASE, CALIFORNIA**

MEMORANDUM FOR ALL INTERESTED FEDERAL, STATE AND LOCAL AGENCIES

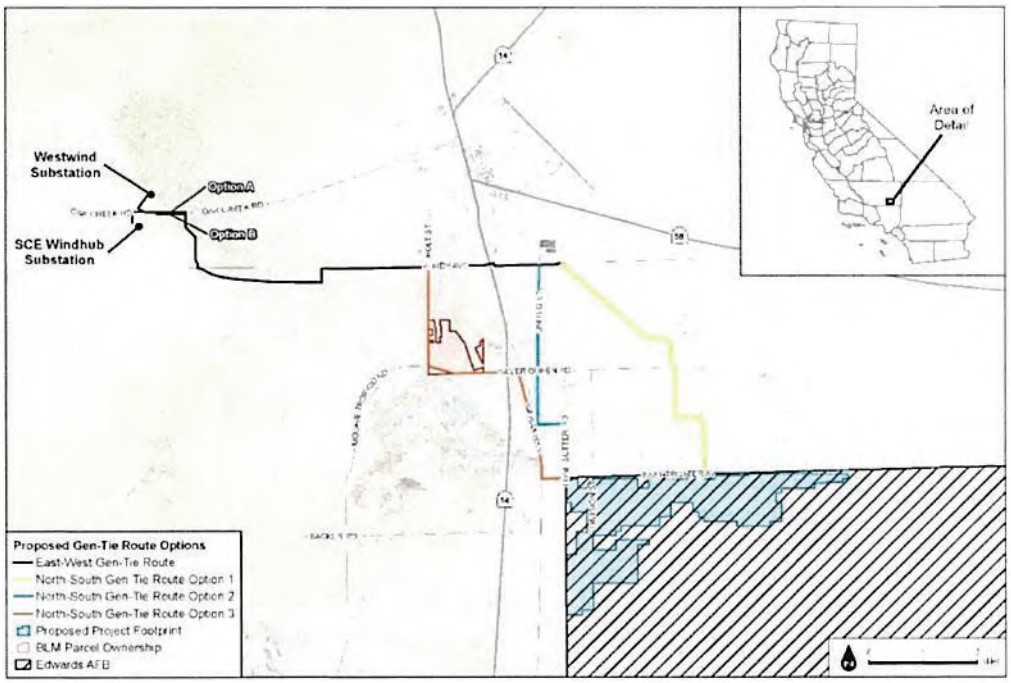
4 Dec 17

FROM: 412 CEG/CL
225 North Rosamond Boulevard
Edwards Air Force Base, California 93524

SUBJECT: Notice of Scoping for the Environmental Impact Statement (EIS)/Environmental Impact Report (EIR) Joint Document for the Implementation of the Edwards Air Force Base Solar Project

1. The United States Air Force and the County of Kern are preparing a joint EIS/EIR to identify and address potential environmental impacts associated with implementation of the Edwards AFB Solar Project (ESP) on Edwards AFB, California (see Figure 1 below).

**Figure 1. Proposed ESP Project Location**




2. Proposed Action: The Air Force proposes to lease land to a private renewable energy developer for the construction, operation and maintenance of the ESP. The ESP is a solar photovoltaic renewable energy project that would produce up to 600 Megawatts (MW) of energy at Edwards AFB. The final scale of the ESP is anticipated to be between 100 to 600 MW. Construction would require the lease and subsequent development of between 1,000 to 3,500 acres of non-excess land in the northwestern corner of Edwards AFB.

3. For the County, the Proposed Action involves the routing of a 230 kilovolt (kV) generation tie (gen-tie) line from the proposed solar facility to a point of interconnection where power generated by the project can be delivered to the grid. Points of interconnection include either the Southern California Edison (SCE) Windhub Substation and/or the privately owned Westwind Substation.

4. The EIS/EIR is being prepared in accordance with National Environmental Policy Act (NEPA) of 1969, the Council on Environmental Quality (CEQ) regulations for implementing NEPA (40 Code of Federal Regulations (CFR) 1500 -1508), Department of the Air Force regulation 32 CFR 989 *Environmental Impact Analysis Process*, California Environmental Quality Act (CEQA) (Public Resources Code, Section 21000 et seq.), CEQA Guidelines (California Code of Regulations, Title 14, Chapter 3, Section 15000 et seq.) and the Kern County CEQA Implementation Document (Kern County, 2004).

5. Scope of the EIS/EIR Analysis: The following environmental issues were identified by the Air Force and County of Kern during internal scoping as having the potential for adverse impacts and will be analyzed within the EIS/EIR document: Aesthetics, Agricultural Resources, Air Quality, Airspace Management and Use, Biological Resources, Cultural Resources, Environmental Justice, Greenhouse Gas Emissions, Hazardous Materials, Infrastructure, Land Use, Noise, Public Services, Safety, Socioeconomics, Soil and Geological Resources, Transportation, and Water Resources.

6. Alternatives: The Air Force and County of Kern have considered a broad range of alternatives for implementing the Proposed Action. During the initial planning stages, alternative selection standards were developed to define the necessary project criteria that must be met by alternatives to be carried forward for analysis within the EIS/EIR. The selection standards are grouped into three main categories that include renewable energy technology standards, project siting standards and gen-tie route standards. The alternatives currently being considered by the Air Force and County of Kern were determined to meet the minimum selection standards. The Proposed Action is subject to the requirements and objectives of Executive Order 11988, *Floodplain Management*, as amended. Consistent with Executive Order 11988 and Executive Order 11990, this notification letter initiates early review of the alternatives that have the potential to be located in a floodplain and/or wetland. All alternatives for the Proposed Action, including alternatives for the gen-tie line, will potentially result in impacts to floodplains. Your attendance at the public scoping meeting will provide opportunities to submit comments on the proposed project alternatives and input on minimizing potential impacts to floodplains. Alternatives currently under consideration in the EIS/EIR include:

a. Alternative A (Full Project Build-Out): This alternative includes the construction, operation and maintenance of a full-scale solar photovoltaic (PV) facility of up to 600 MW of energy and construction of a 150 MW battery storage facility on up to 3,500 acres of undeveloped Air Force property located in the northwest corner of Edwards AFB. Solar array construction would require the grading of a majority of the project areas to a slope of 2% or less across the ESP project footprint. During ESP site construction, solar panels would be mounted on metal pipe or H beam foundations that are approximately four to six inches in diameter. The panels would be installed using either a single axis tracking system, whereby the panels are controlled to move with the sun, or on a fixed tilt system, whereby the panels are fixed at a particular angle. Pipe pile foundations would be driven to depths of 18 feet deep. When piles cannot be driven to the required depth, an alternate spread footing would be required; these footings would be approximately six feet wide by six feet long and two feet deep. Siting of panels would be in a grid-pattern at regular intervals to support efficient energy production and to facilitate ease of maintenance. In addition to the PV solar arrays, this alternative includes on-base substations, a switchyard, service buildings and warehouses, necessary access roads, drainage facilities and up to 20 acres of energy storage facilities. Alternative A also includes construction of an associated gen-tie line of approximately 10 to 15 miles in total length that will run to either SCE's Windhub Substation and/or the privately owned Westwind Substation. The proposed gen-tie line has a north-south component and an east-west component. There are three alternatives for the north-south component all of which run from the proposed solar PV facility to Purdy Avenue. North-south component Option 3 traverses a portion of Bureau of Land Management land. The east-west component continues along Purdy Avenue for approximately 4.5 miles and then continues west for 2.5 miles on undeveloped land until it heads north for approximately 1 mile through undeveloped land to Oak Creek Road. At Oak Creek Road, the east-west component splits into option A which runs south of Oak Creek Road, and option B which runs north of Oak Creek road for approximately 1/2 mile until continuing on to the

Windhub Substation and/or the Westwind Substation. The Proposed Action will include a combination of one north-south alternative and one east-west alternative.

b. Alternative B (Reduced Project Build-Out): This alternative includes the construction, operation and maintenance of a reduced-scale solar PV facility of between 100 to 200 MW on up to 1,500 acres of Air Force property located in the northwest corner of Edwards AFB within the same project footprint as Alternative A. This alternative would utilize the same gen-tie line route and interconnection points proposed in Alternative A. The reduced project alternative would require approximately 1/3 to 1/2 of the acreage and construction-related ground disturbance required to support the full project alternative described in Alternative A. Alternative B would provide the developer with additional siting flexibility to further avoid environmentally sensitive or incompatible development areas.

c. Alternative C (No Action/No Project): Under this alternative the proposed solar facility would not occur.

7. Scoping Information: Interested Federal, State and Local agencies are invited to provide scoping comments, within their area of statutory responsibility, on the ESP proposal and alternatives. Issues or comments regarding the ESP proposal should be sent no later than Wednesday (27 December 2017). Please send your comments regarding the scope of the EIS/EIR, along with the name and address of an appropriate contact person to:

Ms. Andrea Brewer-Anderson
412 CEG/CEVA
120 North Rosamond Boulevard
Bldg. 3735, Suite A
Edwards AFB, California 93524
Phone: (661) 277-4948 / Fax: (661) 277-6145
andrea.brewer-anderson@us.af.mil

8. The Air Force and County of Kern will be hosting a public scoping meeting from 5:00 PM to 8:00 PM on Tuesday, 12 December 2017. The purpose of this meeting is to provide an overview of the proposed ESP initiative, explain the purpose and need for the project, and the alternatives being considered in the EIS/EIR. The scoping meeting will be held at the following location:

Mojave Veterans Memorial Building
15580 O Street
Mojave, California 93501

9. We look forward to hearing from you, along with your participation in the above mentioned meeting. If you have any further questions or concerns or need further information, please contact Ms. Andrea Brewer-Anderson at (661) 277-4948 or by e-mail at andrea.brewer-anderson@us.af.mil.

James E. Judkins

JAMES E. JUDKINS, NH-IV
Base Civil Engineer

# Written Comments Received during Public Scoping Period

# Federal

## Janice Mayes

**From:** Rodriquez, Pablo (Paul) <prodriqu@blm.gov>
**Sent:** Monday, November 27, 2017 11:11 AM
**To:** Janice Mayes
**Subject:** NOP

Janice, I'll have the NOP for the Camino project by Friday. Had to take leave, use or lose. I'll be taking the last week of December and the first week of January off.

BLM would like to make the commitment for the following project.

EIR JKM 07-17; Edwards AFB Solar Project by Edwards AFB Solaar, LLC (PP18136).

Consult with BLM for the following two locations:

1. T. 11N., R. 32W. Sec. 32. SW¼.

2. T. 10N., R. 11W. Sec. 10. NW¼.

Gern Tie Route Option 3.

Paul Rodriquez
Realty Specialist

Ridgecrest Field Office
300 S. Richmond Rd.
Ridgecrest California 93555

Phone: 760 384-5455
Fax: 760 384-5499

# State

STATE OF CALIFORNIA
NATIVE AMERICAN HERITAGE COMMISSION
**Environmental and Cultural Department**
**1550 Harbor Blvd., Suite 100**
**West Sacramento, CA 95691**
**Phone (916) 373-3710**
**Email: nahc@nahc.ca.gov**
**Website: http://www.nahc.ca.gov**
**Twitter: @CA_NAHC**

Edmund G. Brown Jr., Governor

November 30, 2017

Janice Mayes
Kern County
2700 M Street
Bakersfield, CA 93301

RE: SCH#2017111079, Edwards Air Force Base Solar Project, Kern County

Dear Ms. Mayes

The Native American Heritage Commission has received the Notice of Preparation (NOP) for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code § 21000 et seq.), specifically Public Resources Code section 21084.1, states that a project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, § 15064.5 (b) (CEQA Guidelines Section 15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an environmental impact report (EIR) shall be prepared. (Pub. Resources Code § 21080 (d); Cal. Code Regs., tit. 14, § 15064 subd.(a)(1) (CEQA Guidelines § 15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources with the area of project effect (APE).

**CEQA was amended significantly in 2014**. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code § 21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code § 21084.3 (a)). **AB 52 applies to any project for which a notice of preparation or a notice of negative declaration or mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements**. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. § 800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments. **Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.**

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:
    a. A brief description of the project.

b. The lead agency contact information.
c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code § 21080.3.1 (d)).
d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code § 21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code § 21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or environmental impact report. (Pub. Resources Code § 21080.3.1(b)).
   a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code § 65352.4 (SB 18). (Pub. Resources Code § 21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:
   a. Alternatives to the project.
   b. Recommended mitigation measures.
   c. Significant effects. (Pub. Resources Code § 21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:
   a. Type of environmental review necessary.
   b. Significance of the tribal cultural resources.
   c. Significance of the project's impacts on tribal cultural resources.
   d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code § 21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code sections 6254 (r) and 6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code § 21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:
   a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
   b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code section 21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code § 21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:
   a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
   b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code § 21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code section 21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources

Code section 21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code § 21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code section 21084.3 (b). (Pub. Resources Code § 21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:
    a. Avoidance and preservation of the resources in place, including, but not limited to:
        i. Planning and construction to avoid the resources and protect the cultural and natural context.
        ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
    b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
        i. Protecting the cultural character and integrity of the resource.
        ii. Protecting the traditional use of the resource.
        iii. Protecting the confidentiality of the resource.
    c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
    d. Protecting the resource. (Pub. Resource Code § 21084.3 (b)).
    e. Please note that a federally recognized California Native American tribe or a nonfederally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code § 815.3 (c)).
    f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code § 5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An environmental impact report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
    a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code sections 21080.3.1 and 21080.3.2 and concluded pursuant to Public Resources Code section 21080.3.2.
    b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
    c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code section 21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code § 21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code § 65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code § 65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code section 65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code sections 5097.9 and 5097.993 that are within the city's or county's jurisdiction. (Gov. Code § 65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have been already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
    a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
    b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
    a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, section 15064.5(f) (CEQA Guidelines section 15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
    b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
    c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code section 7050.5, Public Resources Code section 5097.98, and Cal. Code Regs., tit. 14, section 15064.5, subdivisions (d) and (e) (CEQA Guidelines section 15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions, please contact me at my email address: sharaya.souza@nahc.ca.gov.

Sincerely,

Sharaya Souza
Staff Services Analyst
(916) 573-0168

cc: State Clearinghouse

**DEPARTMENT OF TRANSPORTATION**
**DISTRICT 9**
500 SOUTH MAIN STREET
BISHOP, CA 93514
PHONE (760) 872-0785
FAX (760) 872-0678
TTY 711
www.dot.ca.gov

*Making Conservation a California Way of Life!*

December 11, 2017

Ms. Janice Mayes
Kern County Planning/Natural Resources Dept.
2700 M Street, Suite 100
Bakersfield, California 93301

File: Ker-14-R9.15
NOP EIR
SCH #: 2017111079

**Edwards Airforce Base Solar Project - Notice of Preparation (NOP) of an Environmental Impact Report (EIR)**

Dear Ms. Mayes:

Thank you for giving the California Department of Transportation (Caltrans) District 9 the opportunity to comment during the NOP phase for the Edwards Airforce Base Solar Project. We offer the following:

- Figure 2 indicates gen-tie routes that would cross State Route 14. Installation and maintenance of utilities within the State Highway right-of-way must be done per Caltrans standards under permit. Utility placement standards may be found in the Encroachment Permits Manual at: http://www.dot.ca.gov/trafficops/ep/docs/Chapter_6.pdf

  The permit application may be found at: http://www.dot.ca.gov/trafficops/ep/index.html

  For more information, you may contact Stephen Winzenread, District Permit Engineer, at stephen.winzenread@dot.ca.gov or (760) 872-5222.

We value our cooperative working relationship with Kern County concerning development project impacts to the State transportation system and travelers. Feel free to contact me at (760) 872-0785 with any questions.

Sincerely,

GAYLE J. ROSANDER
External Project Liaison

c: State Clearinghouse
Mark Reistetter, Caltrans D-9

State of California • Natural Resources Agency
Edmund G. Brown Jr., *Governor*
Department of Conservation
**Division of Oil, Gas, and Geothermal Resources – District 4**
4800 Stockdale Highway • Suite 100
Bakersfield, CA 93309
(661) 322-4031 • FAX (661) 861-0279

December 4, 2017

Ms. Janice Mayes, Planner 2
Kern County Planning and Natural Resources Department
2700 "M" Street, Suite 100
Bakersfield, CA 93301

Subject: EIR JKM 07-17; Edwards AFB Solar Project
**SCH No. 2017111079**

Dear Ms. Mayes:

The Department of Conservation, Division of Oil, Gas, and Geothermal Resources (Division) has received and reviewed the above referenced Notice of Preparation and submits the following evaluation.

The project is located in Kern County, outside of any of the Division's oil field administrative boundaries. Division records indicate there are no known oil, gas, or geothermal wells located within the project boundary as identified in the notice, and therefore, no further review by the Division is required.

Additionally, there are no known oil, gas, or geothermal wells located along or near any of the project's transmission corridor options.

If during development activities, any wells are encountered that were not part of this review, the property owner/developer shall immediately notify the Division's construction site well review engineer in the Bakersfield district office. The district office will send a follow-up well evaluation letter to the property owner and local permitting agency. Remedial plugging and abandonment operations may be required.

Thank you for the opportunity to comment on this project. Should any questions arise, please contact me in the Bakersfield district office at **(661) 334-3662**.

Sincerely,

Michael Toland

For Michael Toland
Senior Oil and Gas Engineer
Environmental Unit Supervisor

# Regional

California Water Boards

Edmund G. Brown Jr. Governor

Matthew Rodriquez Secretary for Environmental Protection

Lahontan Regional Water Quality Control Board

December 27, 2017

File: Environmental Doc Review
Kern County

Janice Mayes, Planner
Kern County Planning Department
2700 M Street, Suite 100
Bakersfield, CA 93301-2323
Email: mayesj@co.kern.ca.us

## Comments on the Notice of Preparation of the Draft Environmental Impact Report for the Edwards Air Force Base Solar Project, Kern County, State Clearinghouse Number 2017111079

The California Regional Water Quality Control Board, Lahontan Region (Water Board) staff received the Notice of Preparation (NOP) of the Draft Environmental Impact Report (DEIR) for the above-referenced project (Project) on November 27, 2017. The NOP was prepared by Kern County (County) and submitted in compliance with provisions of the California Environmental Quality Act (CEQA). Water Board staff, acting as a responsible agency, are providing these comments to specify the scope and content of the environmental information germane to our statutory responsibilities pursuant to CEQA Guidelines, California Code of Regulations, title 14, section 15096. Based on our review of the NOP, we recommend that the following be considered in the DEIR: (1) natural drainage channels and flow paths should be maintained through the Project site to ensure no net loss of function and value of waters of the state; and (2) a site-specific Storm Water Pollution Prevention Plan (SWPPP) be prepared that identifies a combination of sediment and erosion control best management practices (BMPs) to effectively treat storm water runoff during the life of the Project. Our comments on the Project are outlined below.

### PROJECT DESCRIPTION

The proposed Project is to develop and operate a photovoltaic (PV) solar energy generating facility and associated infrastructure including a 230 kilovolt overhead and underground transmission corridor. The Project site is comprised of up to 3,500 acres in the vicinity Trotter Avenue and Lone Butte Road within the northwest corner of Edwards Air Force Base located in Kern County. The PV solar facility will generate a combined total of 600 megawatts of electrical energy. The Project's permanent facilities include two million solar panels, service roads, security fencing, a power collection system, battery storage, communication cables, overhead and underground transmissions lines, electrical switchyards, a substation, and operations and maintenance facility. The Project would also connect to the Project with the existing privately-owned Westwind

substation in the first phase and later connected to Southern California Edison's Whirlwind Substation in subsequent phases.

## SPECIFIC COMMENTS ON THE ENVIRONMENTAL REVIEW

Our specific comments on the Project and environmental review, as they pertain to water quality and hydrology, are outlined below.

1. **Discrepancy in Acreage of Land** – In the Supplementary Information section of the executive summary portion of the report, it states that Alternative A will be developed on up to 4,000 acres. This is different from the description throughout the rest of the document and project description provided for the State Clearinghouse, which states up to 3,500 acres of a 6,000 acre parcel site will developed. Please resolve this discrepancy in the DEIR.

2. **Project Issues Discussed in Document must include Vegetation** – The Notice of Completion & Environmental Document Transmittal has the Vegetation category unchecked. This section must be addressed in the DEIR within the biological resources section. As described on page 5, Section 1.2.1, subsection Vegetation, limited areas of the proposed Project are unvegetated and such areas show signs of periodic ponding. These areas of ponding should be assessed as potential wetlands areas, which would include the surrounding vegetation. Additionally, some vegetation described in the document are California-protected native plants protected under policy enforced by California Department of Fish and Wildlife.

3. **Insufficient Detail of Post-Construction Storm Water Conveyance and Collection of the Site** – We recommend that the DEIR include sufficient detail of key Project components, particularly post-construction storm water conveyance, collection, and treatment facilities and associated design criteria, so that responsible agencies reviewing the environmental document have adequate information to evaluate potential impacts to environmental resources that are germane to their authority.

## GENERAL COMMENTS AND RECOMMENDATIONS

Our general comments and recommendations, as they pertain to renewable energy development within the Lahontan Region, are outlined below.

4. In general, the installation of PV grid systems for these types of projects has the potential to hydrologically modify natural drainage systems. Of particular concern is the collection of onsite storm water runoff and the concentrated discharge of that storm water to natural drainage channels. Design alternatives that are compatible with low impact development (LID) should be considered. LID components include: maintaining natural drainage paths and landscape features to slow and filter runoff and maximize groundwater recharge; managing runoff as close to the source as possible; and maintaining vegetated areas for storm water

management and onsite infiltration. Where feasible, existing topographic contours should be maintained and existing vegetation should be mowed to help mitigate for potential post-construction storm water impacts. We also recommend natural drainage channels and flow paths be maintained through the Project site to avoid no net loss of function and value of waters of the state as a result of Project implementation.

5. A Project-specific SWPPP and implementation of site-specific erosion and sediment control BMPs is an effective way to reduce potentially significant water quality impacts to a less than significant level. To that end, we recommend the development and implementation of a Project-specific SWPPP during both the construction and post-construction phases of the Project. The SWPPP should be applicable to all areas of the Project site, including the solar fields, access roads to and through the site, and the gen-tie line. Please note that temporary BMPs need to be implemented for the Project until such time that vegetation has been restored to pre-Project conditions or permanent BMPs are in place and functioning.

6. The DEIR should identify post-construction storm water management as a significant Project component, and a variety of BMPs that effectively treat post-construction storm water runoff, particularly maintaining native vegetation, should be evaluated as part of the Project. Based on our experience with other solar developments in the Mojave Desert, native vegetation is the most efficient and cost-effective post-construction BMP to treat storm water runoff. Because revegetating disturbed soils in the desert is particularly challenging due to low rainfall, extreme climatic conditions, and relatively slow growth rates, we encourage Project proponents to maintain and mow existing vegetation rather than clear and grub the entire site during construction. For those projects where native vegetation is maintained, we have observed that the need to implement temporary BMPs is greatly minimized and the costs associated with implementation and maintenance of post-construction BMPs is significantly reduced.

7. The DEIR should identify the water quality standards that could potentially be violated by the Project and consider these standards when evaluating thresholds of significance for impacts. Water quality objectives and standards, both numerical and narrative, for **all** waters of the State within the Lahontan Region, including surface waters and groundwater, are outlined in Chapter 3 of the Basin Plan. Implementation of the proposed Project must comply with all applicable water quality standards and prohibitions, including provisions of the Basin Plan.

8. Ephemeral streams, washes and potential wetland areas are present in the project area. All surface waters are waters of the State. The DEIR will need to fully delineate the extent of waters of the State and evaluate potential impacts to these resources with respect to hydrology and water quality as a result of Project implementation.

9. All temporary impacts to water resource and upland areas should be restored (recontoured and revegetated) to match pre-Project conditions in accordance with a Restoration and Revegetation Plan. The DEIR should include a mitigation measure that requires the preparation and implementation of a Restoration and Revegetation Monitoring Plan, or equivalent document. At a minimum, the plan should include a detailed description of the methods and materials that will be used, a schedule for plan implementation, annual monitoring for a period of no less than 3 years, performance measures that must be met in order for the restoration/revegetation to be deemed successful, and adaptive management criteria in the event performance measures are not being met.

10. All rock slope protection and energy dissipation rip-rap placed within stream channels should be **ungrouted** and the minimum amount necessary used to provide scour protection.

11. Equipment staging areas, excavated soil stockpiles, and hazardous materials (i.e. oils and fuels) should be sited in upland areas outside surface waters and adjacent flood plain areas. The DEIR should include a mitigation measure for the preparation and implementation of a comprehensive Spill Prevention and Response Plan that outlines the site-specific monitoring requirements and lists the BMPs necessary to prevent hazardous material spills or to contain and cleanup a hazardous material spill, should one occur.

12. Buffer areas should be identified and exclusion fencing used to protect water resources and to prevent unauthorized vehicles or equipment from entering or otherwise disturbing the surface waters. Equipment should use existing roadways to the extent feasible.

**PERMITTING REQUIREMENTS**

A number of activities associated with the proposed Project appear to have the potential to impact waters of the State and, therefore, may require permits issued by either the State Water Resources Control Board (State Water Board) or Lahontan Water Board. The required permits may include:

13. Streambed alteration and/or discharge of fill material to a surface water may require a CWA, section 401 water quality certification for impacts to federal waters (waters of the U.S.), or dredge and fill waste discharge requirements for impacts to non-federal waters, both issued by the Lahontan Water Board;

14. Land disturbance of more than 1 acre may require a CWA, section 402(p) storm water permit, including a National Pollutant Discharge Elimination System (NPDES) General Construction Storm Water Permit, Water Quality Order (WQO) 2009-0009-DWQ, obtained from the State Water Board, or individual storm water permit obtained from the Lahontan Water Board; and

15. Water diversion and/or dewatering activities may be subject to discharge and monitoring requirements under either NPDES General Permit, Limited Threat Discharges to Surface Waters, Board Order R6T-2014-0049, or General Waste Discharge Requirements for Discharges to Land with a Low Threat To Water Quality, WQO-2003-0003-DWQ, both issued by the Lahontan Water Board.

Please be advised of the permits that may be required for the proposed Project, as outlined above. We request that specific Project activities that may trigger these permitting actions be identified in the appropriate sections of the DEIR. Should Project implementation result in activities that will trigger these permitting actions, the Project proponent must consult with Water Board staff well in advance of Project construction. Information regarding these permits, including application forms, can be downloaded from our web site at http://www.waterboards.ca.gov/lahontan/.

Thank you for the opportunity to comment on the DEIR. If you have any questions regarding this letter, please contact me at (760) 241-7307 (shelby.barker@waterboards.ca.gov) or Jan Zimmerman, Senior Engineering Geologist, at (760) 241-7376 (jan.zimmerman@waterboards.ca.gov). Please send all correspondence regarding this Project to the Water Board's email address at Lahontan@waterboards.ca.gov and include the State Clearinghouse Number in the subject line.

Shelby Barker, PG, CHG
Engineering Geologist

cc: State Clearinghouse (SCH 2017111079) (state.clearinghouse@opr.ca.gov)
Daniel Swenson, USACE, Los Angeles (Daniel.P.Swenson@usace.army.mil)
Ali Aghili, CA Department of Fish and Wildlife (Ali.Aghili@wildlife.ca.gov)
Andrea Brewer-Anderson, EAFB (Andrea.Brewer-Anderson@us.af.mil)

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# Eastern Kern
Air Pollution Control District

Glen E. Stephens, P.E.
Air Pollution Control Officer


December 4, 2017

Janice Mayes, Planner II
Kern County Planning and Natural Resources Department
2700 "M" Street, Suite 100
Bakersfield, CA 93301

SUBJECT: Comments for Notice of Preparation of Draft Environmental Impact Report for Edwards AFB Solar Project Located in Township 10N, Range 12W and Township 10, Range 11W near Edwards Air Force Base

Dear Ms. Mayes:

Eastern Kern Air Pollution Control District (District) is in receipt of the Notice of Preparation of a Draft Environmental Impact Report (EIR) for the Edwards AFB Solar Project.

Commercial solar power generation facilities 10 acres and larger are required to submit a Fugitive Dust Emission Control Plan, Fugitive Dust Emission Monitoring Plan, and apply for an Authority to Construct prior to commencing construction of the facility.

Additionally, stationary equipment that emits air pollutants (generator sets, concrete batch plants, etc.) may require a permit from the District before installation and operation.

Thank you for you cooperation in this matter. Should you have any questions, please telephone Samuel Johnson our office at (661) 862-5250.

Sincerely,

Glen E. Stephens, P.E.
Air Pollution Control Officer

GES:SJ:tf


RECEIVED

DEC 07 2017

Kern County Planning &
Natural Resources Dept

KERN COUNTY
Public Health Services
DEPARTMENT

MATTHEW CONSTANTINE
DIRECTOR

2700 M STREET, SUITE 300 BAKERSFIELD, CALIFORNIA 93301-2370 VOICE: 661-862-8740 FAX: 661-862-8701 WWW.CO.KERN.CA.US/EH

# INTEROFFICE MEMORANDUM

To: Janice Mayes Date: December 7, 2017
From: Evelyn Elizalde
Subject: EIR JKM 07-17; Edwards AFB Solar Project by Edward AFB Solar, LLC (PP18136)

The Kern County Environmental Health Division has reviewed the above referenced project. This Division has the local regulatory authority to enforce state regulations and local codes as they relate to waste discharge, water supply requirements, and other items that may affect the health and safety of the public or that may be detrimental to the environment.

The Environmental Health Division requests that the following conditions be placed on the subject project and be satisfied prior to issuance of building permits:

1. The applicant shall submit a business plan to the Hazardous Materials Division for review and approval within 30 days of operation for hazardous materials stored or generated on-site. If you have questions please contact Bilal Korin at (661)862-8730 or korinb@kerncounty.com
2. The method of water supply and sewage disposal for the proposed project shall be approved by Kern County Environmental Health Division.
3. If any abandoned water wells are encountered during the construction process, the applicant shall contact the Land and Water Program for destruction permitting procedures.

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# A5. Public Scoping

**PUBLIC SCOPING REPORT**

# Edwards AFB Solar Project
# by Edwards AFB Solar, LLC (PP18136)

**LEAD AGENCIES:**


Department of the Air Force
Headquarters 412th Test Wing (AFMC)
412 CEG/CEVA
120 North Rosamond Boulevard
Edwards Air Force Base, CA 93524-8600
Contact: Andrea Brewer-Anderson
(661) 277-4948

Kern County Planning and
Natural Resources Department
2700 M Street, Suite 100
Bakersfield, CA 93301-2370
Contact: Janice Mayes
(661) 862-8793


**TECHNICAL ASSISTANCE BY:**


Environmental Science Associates
626 Wilshire Boulevard, Suite 1100
Los Angeles, CA 90017


**March 2018**

# 1. Overview of NEPA/CEQA Scoping Process

## 1.1 Agencies, Organizations, and Persons Providing Scoping Comments

State and local agencies, private and public organizations, and the general public provided written comments during the public scoping period. Written comments received during the public scoping meetings and in response to the NOI/NOP are included in Appendix E. In summary, Table 1 presents the agencies, organizations, and private citizens that provided comments during the NEPA/CEQA scoping process organized in the order they were issued.

**Table 1. Comments Received during Public Scoping Period**

| Commenter | Date |
|---|---|
| **Organizations** | |
| California Unions for Reliable Energy<br>November 30, 2017 | The commenter requests to be included in the information distribution for the environmental review. |
| Kern Audubon Society<br>December 11, 2017 | The commenter suggests that the scoping for the project should address the following:<br>• Longitudinal studies regarding the habitat of Swainson's Hawk in the project area should be included in the EIS/EIR<br>• Transmission lines should be designed with bird friendly guidelines, which should be addressed in the EIS/EIR.<br>• Grading and dust control for service roads<br>• Fencing for the project site must consider the movement of migratory species in the area. |
| Desert Tortoise Council<br>December 24, 2017 | The commenter suggests that the Affected Environment Section includes information on the status of:<br>• Existing conditions in the project areas with natural vegetation;<br>• Agassiz's desert tortoise populations, as well as populations of other special status species;<br>The commenter would also like the Environmental Effects section to include a description and locality information that quantifies:<br>• Changes to current natural vegetation;<br>• Populations of Agassiz's desert tortoise, Mohave ground squirrel, burrowing owl, and other rare plant and animal species of concern;<br>• Anticipated change in use of the area by common ravens and other predators of the tortoise;<br>• New activities that will result in surface disturbance and construction of, or modification to, structures and facilities.<br>Additionally, the commenter provides the following recommendations:<br>• The latest version of the California Natural Diversity Data Base be accessed to determine what rare plant and animal species may be impacted by the Project |

| Commenter | Date |
|---|---|
| | • Desert Tortoise populations at EAFB should be analyzed over-time to assess population trends<br>• The relationship between the Project and the latest Integrated Resources Management Plan should be clarified<br>• The relationship between the Project and the Desert Renewable Energy Conservation Plan (DRECP) should be emphasized |
| Defenders of Wildlife<br>December 24, 2017 | The commenter provides the following specific comments:<br>• Protocol surveys should be performed for the desert tortoise, the burrowing owl, the Desert kit fox, and the Mohave ground squirrel over the entire project area<br>• An offsite alternative to address the residual habitat impacts of surface disturbance should be considered<br>• Joshua Tree Woodlands should be carefully accounted for to protect their diminishing habitat<br>• Native vegetation should be preserved as much as possible |
| San Manuel Band of Mission Indians<br>January 2, 2018 | The commenter requests continued consultation with Edwards AFB and the County of Kern on matters of great archaeological sensitivity and on their cultural resources-based concerns. |
| State of California, Natural Resources Agency – Department of Fish and Wildlife (CDFW)<br>January 22, 2018 | The commenter suggests that the project implement the following mitigation measures to reduce impacts to rare plant and animal species::<br>• Conduct preliminary biological assessments of the Project site and a 1/2 –mile buffer to help inform the EIR<br>• Desert Tortoise:<br>o Mitigation Option 1: Prior to starting any Project-related activities, the Project proponent shall obtain incidental take authorization from CDFW per Fish and Game Code Section 2081 by submitting an incidental take permit (ITP) application to CDFW for review<br>o Mitigation Option 2: No more than 14 days prior to the start of construction-related activities, the Project Proponent shall hire a qualified biologist to conduct pre-activity surveys for Desert Tortoise on the entire Project site. Burrows will be identified and flagged. Following the survey, the Project proponent shall mitigate for the modification or removal of Desert Tortoise habitat by recording a permanent conservation easement.<br>• Mojave Ground Squirrel:<br>o Apply Mitigation options 1 and 2 for the Desert Tortoise population to the Mojave Ground Squirrel population.<br>• Swainson's Hawk:<br>o Apply Mitigation options 1 and 2 for the Desert Tortoise population to the Swainson's Hawk population.<br>• Desert Kit Fox:<br>o Apply Mitigation options 1 and 2 for the Desert Tortoise population to the Desert Kit Fox population.<br>• Burrowing Owl: |

| Commenter | Date |
|---|---|
| | o Apply Mitigation options 1 and 2 for the Desert Tortoise population to the Burrowing Owl population.<br>• Other Nesting Birds:<br>o The CDFW recommends Project construction and decommissioning occur during the non-breeding bird season, if possible.<br>o All meteorological and communication towers shall be of monopole design to reduce bird collision, injury, or death.<br>o Additionally, apply Mitigation options 1 and 2 for the Desert Tortoise population to other nesting bird populations.<br>• Alkali Mariposa Lily and Mojave Spineflower:<br>o Apply mitigation options 1 and 2 for the Desert Tortoise population to the Alkali Mariposa Lily and Mojave Spineflower populations.<br>• Joshua Trees:<br>o Apply Mitigation options 1 and 2 for the Desert Tortoise population to the Joshua Tree population.<br>Finally, the commenter states that the Project would have an impact on fish and/or wildlife, and assessment of filing fees is necessary. Payment of the fee is required in order for the underlying project approval to be operative, vested, and final. |
| **Individuals** | |
| J.D. Smith<br>December 12, 2017 | The commenter attended the December 12th scoping meeting. The commenter provides the following comment:<br>• Dust mitigation measures and alternatives should be thoroughly evaluated in the EIS/EIR |
| Douglas Clipperton<br>December 12, 2017 | The commenter attended the December 12th scoping meeting. The commenter provides the following comment:<br>• Trotter Avenue should be paved as a mitigation measure to reduce project impacts to aesthetic resources and air quality resources. |
| Linda Roger<br>December 12, 2017 | The commenter attended the December 12th scoping meeting. The commenter provides the following comments:<br>• High intensity power lines pose a cancer risk to children that reside near the gen-tie route option lines'.<br>• Desert Candle flowers are a primary resource for Desert Tortoise and the project site is located on one-of only two Antelope Valley habitat sites.<br>• Alternative project locations, farther from populated areas, were not considered. |
| Mike Movsessyan<br>December 12, 2017 | The commenter is concerned about the industrialization of the project site and surrounding areas. The commenter requests the following information:<br>• How many panels are involved and what are they made of;<br>• Who are the developers and the engineers for this project;<br>• Whether ecological considerations have been thoroughly evaluated; |

| Commenter | Date |
|---|---|
| | • Whether construction of the project will create a large volume of traffic, thus creating a $CO_2$ emissions issue. |

# Organization Comments

ADAMS BROADWELL JOSEPH & CARDOZO
A PROFESSIONAL CORPORATION
ATTORNEYS AT LAW
601 GATEWAY BOULEVARD, SUITE 1000
SOUTH SAN FRANCISCO, CA 94080-7037
TEL: (650) 589-1660
FAX: (650) 589-5062
ssannadan@adamsbroadwell.com

MILA A. BUCKNER
DANIEL L. CARDOZO
CHRISTINA M. CARO
THOMAS A. ENSLOW
TANYA A. GULESSERIAN
MARC D. JOSEPH
RACHAEL E. KOSS
COLLIN S. McCARTHY
LINDA T. SOBCZYNSKI

SACRAMENTO OFFICE
520 CAPITOL MALL, SUITE 350
SACRAMENTO, CA 95814-4721
TEL: (916) 444-6201
FAX: (916) 444-6209

November 30, 2017

**VIA EMAIL AND US MAIL**

Gary Hatch
Environmental Public Affairs
Bldg. 1405, Room 400
Edwards Air Force Base, California 93524
**Email:** 412tw.pae@edwards.af.mil

**Re: Request for Mailed Notice of NEPA Actions and Public Hearings – EIR JKM 07-17; Edwards AFB Solar Project (PP18136)**

Dear Mr. Hatch:

We are writing on behalf of California Unions for Reliable Energy to request mailed and emailed notice of any and all hearings, public meetings, environmental review documents, and other actions related to the Edwards AFB Solar Project ("Project") proposed by Edwards AFB Solar, LLC, as well as a copy of the environmental review document when it is made available for public review.

The proposed Project involves the lease of land from Edwards Air Force Base ("AFB") to AFB Solar, LLC for the construction, operation, and maintenance of a solar photovoltaic energy generating facility of up to 600 megawatts; including a substation and operations and maintenance facility on non-excess land at Edwards AFB. The Project also includes development of an associated 230-kilovolt generation interconnection transmission line to be located along land subject to the jurisdiction of Kern County and the Air Force.

This request is made pursuant to the National Environmental Policy Act ("NEPA"), 42 U.S.C. §§ 4231 et seq., including Code of Federal Regulations sections 40 C.F.R. §§ 1506.6(b)(1), 1501.4(e)(1), and 1501.7(a)(1),, which require the lead NEPA agency to mail to all members of the public who have requested it notice of all NEPA-related hearings, public meetings, and the availability of environmental documents related to an action or project.



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Please send the above requested items by email and U.S. Mail to our South San Francisco Office as follows:

**U.S. Mail**

Sheila Sannadan
Adams Broadwell Joseph & Cardozo
601 Gateway Boulevard, Suite 1000
South San Francisco, CA 94080-7037

**Email**

ssannadan@adamsbroadwell.com

Please call me at (650) 589-1660 if you have any questions. Thank you for your assistance with this matter.

Sincerely,

Sheila M. Sannadan
Legal Assistant

SMS:acp

3692-004acp

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**Kern Audubon Society**
PO Box 3581
Bakersfield CA 93385

December 11, 2017

Mr. Gary Hatch
Environmental Public Affairs
Building 1405, Room 400
Edwards AFB, CA 93524

RE: Scoping issues regarding EIS/EIR for solar project

Dear Mr. Hath,

The Kern Audubon Society has conducted and sponsored several birding outings in the area adjacent to the base. We have also been involved with several solar projects that have been built in the Antelope Valley. With many of the projects, key biological issues were raised and necessary mitigation measures were included in the final EIR.

Therefore the scoping for the project should address the following concerns:

1) **Swainson's hawk**: habitat, both foraging and roosting. Longitudinal studies of the area for this species in important to include in the draft EIS/EIR.
2) **Transmission lines**: Those to be used to transport electricity must be of the design to reduce bird collisions. The EIS/EIR must address the issue of bird friendly guidelines used on any towers associated with the project.
3) **Service roads**: grading, dust control
4) **Fencing**: project fencing must consider ability for migratory ground species to move freely in the area.

Sincerely,

Harry Love, Conservation Chair

## Janice Mayes

**From:** Ed LaRue [redacted]
**Sent:** Sunday, December 24, 2017 4:25 PM
**To:** 412tw.pae@edwards.af.mil; Janice Mayes
**Subject:** Desert Tortoise Council comment letter on proposed solar facility at Edwards Air Force Base
**Attachments:** EAFB Solar Fields.12-27-2017.pdf

Dear Mr. Hatch, Ms. Mayes,

Please find attached our comment letter. As an Affected Interest, we look forward to seeing how our scoping comments are addressed in your Draft EIR/EIS, which may be directly delivered to the contact information given below. Good luck with your analyses.

Ed LaRue

**********
Edward L. LaRue, Jr., M.S.
Desert Tortoise Council, Ecosystems Advisory Committee
[redacted]
www.deserttortoise.org
[redacted]
**********

**DESERT TORTOISE COUNCIL**
4654 East Avenue S #257B
Palmdale, California 93552
www.deserttortoise.org
eac@deserttortoise.org

**Via email only**

24 December 2017

Mr. Gary Hatch, Environmental Public Affairs
Bldg. 1405 Room 400,
Edwards Air Force Base, CA 93524
412tw.pae@edwards.af.mil

Ms. Janice Mayes, Kern County Planning
and Natural Resources Department
2700 M Street, Suite 100
Bakersfield CA, 93301
mayesj@kerncounty.com

RE: Notice of Intent to Prepare an Environmental Impact Statement and Environmental Impact Report for the Edwards Air Force Base Solar Enhanced Use Lease Project

Dear Mr. Hatch, Ms. Mayes,

The Desert Tortoise Council (Council) is a non-profit organization comprised of hundreds of professionals and laypersons who share a common concern for wild desert tortoises and a commitment to advancing the public's understanding of this species. Established in 1975 to promote conservation of tortoises in the deserts of the southwestern United States and Mexico, the Council routinely provides information to individuals, organizations, and regulatory agencies on matters potentially affecting the desert tortoise within its geographic range.

Based on the Notice of Preparation (NOP) dated 27 November 2017, we understand that the various alternatives may affect between 1,500 and 4,000 acres of non-excess property on the northwestern corner of Edwards Air Force Base (EAFB), and that the associated Gen-tie line would be 10 to 14 miles long, running westward towards Tehachapi. To effectively define the full range of issues to be evaluated in the Environmental Impact Statement (EIS) to be completed by the U.S. Air Force (Air Force) and Environmental Impact Report (EIR) by the Kern County Planning and Natural Resources Department (County), the Air Force and County, respectively, will determine the scope of the analysis by soliciting comments from interested local, state and federal elected officials and agencies, as well as interested members of the public and others.

For the Affected Environment section, we request that the Air Force and County include information on the status of:

- Existing conditions in the project area that quantifies areas with natural vegetation;
- Agassiz's desert tortoise (*Gopherus agassizii*) populations, as well as populations of other special-status species, including (but not limited to) Mohave ground squirrel (*Xerospermophilus mohavensis*), burrowing owl (*Athene cunicularia*), desert cymopterus (*Cymopterus deserticola*), Barstow wooly sunflower (*Eriophyllum mohavense*), and near the western terminus of the Gen-tie line, Bakersfield cactus (*Opuntia basilaris* var. *treleasei*), which is listed as a Federally Endangered species;
- suitable and occupied habitats for the desert tortoise, Mohave ground squirrel, burrowing owl, and other rare plant and animal species of concern;
- use of the area by common ravens (*Corvus corax*) and other predators of the desert tortoise;
- areas previously disturbed by human development/use (including past and ongoing grazing by domestic sheep, existing structures and facilities, etc.); and
- presence of any hazardous materials.

Regarding alternatives to the proposed action, we urge the Air Force and County to develop an alternative that has a minimum impact footprint on the natural environment by limiting surface disturbance activities within the proposed project for the conservation of the desert tortoise and other rare plant and animal species. This alternative would possibly provide the Air Force with a means to meet its mission and comply with Section 7(a)(1) of the Federal Endangered Species Act.

The Environmental Effects section should include a description and locality information that quantifies:

- Changes to current natural vegetation;
- populations of Agassiz's desert tortoise, Mohave ground squirrel, burrowing owl, and other rare plant and animal species of concern;
- changes in habitats for Agassiz's desert tortoise, Mohave ground squirrel, burrowing owl, and other rare plant and animal species of concern;
- anticipated change in use of the area by common ravens and other predators of the tortoise; and
- new activities that will result in surface disturbance and construction of, or modifications to, structures and facilities.

Based on the locations of the various alternatives for both the solar fields and Gen-tie lines, we conclude that all project components are found within suitable habitats for both the Agassiz's desert tortoise and Mohave ground squirrel. Baseline data for the occurrence of these two species must be obtained by performing protocol surveys for both the tortoise [U.S. Fish and Wildlife Service (USFWS) 2017a] and the Mohave ground squirrel [California Department of Fish and Game (CDFG, currently CDFW) 2003 (revised 2010)] throughout all alternative solar fields and Gen-tie lines. Before a given alternative is chosen, the results of these surveys must be considered and applied to ascertain impacts and select project component locations associated with each alternative. Additionally, the Air Force and County must consider other alternatives other than those proposed in the NOP based on the results of field surveys should an alternative not currently identified accommodate development and facilitate reduced impact levels.

In addition to protocol surveys for these two listed species, we expect that the Air Force and County will require that requisite inventory surveys be completed for burrowing owl (CDFW 2012), special status plant species (CDFW 2009), and given the location in Kern County, Swainson's hawk (*Buteo swainsoni*) (CDFG 2010).

The latest version of the California Natural Diversity Data Base (likely CDFW 2018) must be accessed to determine the rare plant and animal species reported from the region that would then be included in the EIR/EIS so that a full impacts analysis can be completed and pertinent mitigation measures identified.

We recognize that the Air Force and EAFB have conducted extensive resource inventories throughout the base since the early 1990's, up through the spring of 2016 when desert tortoise surveys were performed. As such, there is an excellent opportunity for the status and trends of biological resources to be summarized and pertinent results documented in the EIR/EIS for the northwestern portion of EAFB where the project is proposed. In particular, given the 51% decline of tortoises in the Western Mojave Recovery Unit between 2004 and 2014 (USFWS 2017b), what are the trends in tortoise populations at EAFB? Have similar declines been noted, is the population stable, or increasing? How would the proposed project contribute to tortoise population decline or growth on the base in the context of recent trends?

With regards to desert cymopterus, which is designated as a List 1B.2 species [i.e., List 1B.2 plants are rare, threatened, or endangered in California and elsewhere; and, specifically, fairly threatened in California (moderate degree/immediacy of threat)], we understand that the USFWS was petitioned to list desert cymopterus under the Federal Endangered Species Act. Because the Air Force and Bureau of Land Management (BLM) were committed to managing for desert cymopterus and its habitat at EAFB and on public lands, respectively, in 2004 the USFWS determined that the listing was not warranted at the time. How would the various alternatives affect the Air Force's protection and management of desert cymopterus? If focal surveys for desert cymopterus have not been completed in the vicinity of the proposed alternatives, they must be performed and discussed in the EIR/EIS relative to the 2004 USFWS decision.

The proponent must indicate the relationship of this project with the latest Integrated Natural Resources Management Plan (INRMP) completed at EAFB. Did the INRMP foresee or does it facilitate solar development in the proposed areas? It is important that the next INRMP developed by the Air Force for EAFB address this and potential future renewable energy development on the base. We also ask the Air Force to list the Council as an Affected Party when the next draft INRMP is developed so that we may have input into its development.

The EIR/EIS must analyze if this new use would result in an increase of common ravens and other predators of the desert tortoise in the region. Future operations must include provisions for monitoring and managing raven predation on tortoises as a result of the proposed action. The monitoring and management plan must include reducing human subsidies for food, water, and sites for nesting, roosting, and perching to address local impacts. The responsible party must contribute to the National Fish and Wildlife Foundation's Raven Management Fund for regional and cumulative impacts. It is very important that for any of the Gen-tie options the project should use transmission towers that prevent raven nesting. For example, the tubular design with insulators on horizontal cross arms is preferable to lattice towers, which should not be used.

The Council on Environmental Quality's National Environmental Policy Act (NEPA) Guidelines (40 CFR 1506.1) state limitations on actions during the NEPA process, which includes limiting the choice of reasonable alternatives. We note that the Air Force appears to have already chosen locations for the installation and placement of solar panels and Gen-tie lines. We believe that locations of facilities must be planned using the best available environmental baseline data, which is extensive at EAFB. Therefore, the EIR/EIS, using existing baseline data and new data collected specifically for this project, must analyze why this particular location is preferred over other locations both inside and outside EAFB where fewer rare biological resources may occur.

We request that the EIR/EIS address the effects of the proposed action on global warming and the effects that global warming may have on the proposed action. For the latter, we recommend including: an analysis of habitats within the project that may provide refugia for tortoise populations; an analysis of how the proposed action would contribute to the spread and proliferation of nonnative invasive plant species; how this spread/proliferation would affect the desert tortoise and its habitats (including the frequency and size of human-caused fires); and how the proposed action may affect the likelihood of human-caused fires. We strongly urge the Air Force to develop and implement a management and monitoring plan using this analysis and other relevant data that would reduce the transport to and spread of nonnative seeds and other plant propagules within the project area and eliminate/reduce the likelihood of human-caused fires. The plan should integrate vegetation management with fire management and fire response.

When the Air Force is discussing its development of mitigation and monitoring of impacts to Agassiz's desert tortoise in the EIS, we recommend that this discussion include explicit details of the actions that the Air Force will carry out to implement its Section 7(a)(1) responsibilities under the Federal Endangered Species Act.

Finally, with regards to cumulative effects, the EIR/EIS must list and discuss all project impacts within the region including future state, federal, and private actions affecting listed species on state, federal, and private lands. In particular, we ask that the relationship between this proposed project and the Desert Renewable Energy Conservation Plan (DRECP) be analyzed, as the project area does not appear to be in a designated Development Focused Area (DFA) identified in the final Record of Decision by the BLM for the DRECP (BLM 2016).

Herein, we ask that the Desert Tortoise Council be identified as an Affected Interest for this project, and that any subsequent environmental documentation (including future INRMPs developed by the Air Force for EAFB) be provided to us for an opportunity to provide additional input.

Regards,

Edward L. LaRue, Jr., M.S.
Desert Tortoise Council, Ecosystems Advisory Committee, Chairperson

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December 22, 2017

Gary Hatch
Environmental Public Affairs
Building 1405, Room 400
Edwards AFB, CA 93524
Via email to: 412tw.pae@edwards.af.mil

Mr. Hatch;

Thank you for the opportunity to submit scoping comments on the proposed Edwards Air Force Base (EAFB) Solar Project (ESP) and alternatives. Comments contained in this letter are submitted by Defenders of Wildlife (Defenders) on behalf of its 1.2 million members and supporters in the U.S. including approximately 120,000 in California. Defenders is dedicated to protecting all wild animals and plants in their natural communities. To that end, Defenders employs science, public education and participation, media, legislative advocacy, litigation, and proactive on-the-ground solutions to prevent the extinction of species, associated loss of biological diversity, and habitat alteration and destruction.

A Defenders staff member participated in a field trip to the site hosted by personnel from EAFB on September 24, 2012. Following the field trip, Defenders submitted comments on the proposed Project in a letter dated October 23, 2012. At that time the proposed Project was in the early conceptual phase and a specific installation site had not been selected. This conceptual project was at the time referred to as the "Oro Verde EUL Solar Energy Project."

Please find below our scoping comments grouped by subject:

1. **Required agency permits**. We are pleased the Project scoping notice recognizes the need for the U.S. Air Force to obtain state and federal permits for the incidental take of listed species (i.e., Mohave ground squirrel [*Xerospermophilus mohavensis*] – a California-listed threatened species; and Agassiz's desert tortoise [*Gopherus agassizii*] – a California and federally-listed threatened species). The need to obtain a Streambed Alteration Agreement from the California Department of Fish and Wildlife (CDFW) is also recognized.

2. **Special status species**. Several special status species of wildlife likely occur on the project area, including but not limited to Agassiz's desert tortoise, burrowing owl (*Athene cunicularia*) and Mohave ground squirrel.

A. **Agassiz's desert tortoise**. The project is located within the range of the threatened Agassiz's desert tortoise, with maps of suitable habitat, habitat intactness and high probability of occurrence available on DataBasin, as follows:

- Modeled suitable habitat: https://databasin.org/maps/new#datasets=47f02745fd9443b6962d5a759ac590a8.
- Habitat intactness: https://databasin.org/maps/new#datasets=62385c70db6c44cebf618d1b71aac1a4.
- High probability of occurrence: https://databasin.org/maps/new#datasets=16fced1bca7a4199bbb8b49469db0a04.

We recommend that protocol surveys for the desert tortoise be performed on the entire Project area, plus the adjacent zone of influence. The U.S. Fish and Wildlife Service (USFWS) office in Palm Springs, CA should be contacted regarding the latest protocol survey documentation.

The USFWS should also be contacted to discuss the need for incidental take permits if tortoises encountered during the survey would be handled or harassed in any way (i.e., handled for marking, attaching transmitters, assessed for symptoms of disease, body size and weight measurements). If habitat patches within the Project area are occupied by significant numbers of tortoises, as identified during protocol surveys, we recommend these lands be fully avoided. If such avoidance isn't possible or practicable, other habitats on EAFB that are occupied by tortoise should be targeted for tortoise conservation through the Integrated Natural Resources Management Plan (INRMP) process, at a ratio of 3 acres conserved for each acre of habitat lost relative to Project surface disturbance impacts.

An offsite alternative to address the residual habitat impacts of surface disturbance should also be considered, whereby habitat suitable for tortoises (and perhaps other imperiled species such as Mohave ground squirrel) is acquired and managed by an accredited mitigation banking or land trust entity for long-term conservation. EAFB has previously participated in securing extensive conservation lands for tortoises and Mohave ground squirrel north of Kramer Junction and west of U.S. Highway 395 with the U.S. Bureau of Land Management during the 1990s Land Tenure Adjustment (LTA) Project; as well as certain land trusts east of this area, within the Black Mountain Supersonic Corridor north and northeast of EAFB. Securing conservation lands within this corridor, as well as perhaps other installation buffer lands, provides multiple benefits as identified in the Readiness and Environmental Integration (REPI) Program. These benefits have even recently been highlighted in a detailed report entitled "Evaluation Encroachment Pressures on the Military Mission in the California Desert Region."[1]

B. **Burrowing owl**. The burrowing owl is designated a Species of Special Concern by the CDFW and protected under the federal Migratory Bird Treaty Act. We recommend EAFB and/or the Project managers contact the CDFW regarding protocol survey requirements for the burrowing owl and mitigation for unavoidable and residual impacts required under the California Fish and Game Code. A recent report on burrowing owl impact mitigation is available from the CDFW: https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=83843&inline=true.

   Burrowing owl habitat has also been mapped based on evaluated species distribution models, including areas within EAFB and adjacent lands in the California Desert: https://databasin.org/maps/new#datasets=2f61a32ebce64383b6f5c864106db80c.

C. **Mohave ground squirrel**. The proposed project is located on land within the range of the Mohave ground squirrel, listed as a threatened species under the California Endangered Species Act (CESA). Recent models show the distribution, habitat intactness and high probability of occurrence for Mohave ground squirrels as follows:

   - Predicted occupied habitat: https://databasin.org/maps/new#datasets=063de529c9dd4635bb9f019cd0c0ca2a.
   - Habitat intactness: https://databasin.org/maps/new#datasets=140b02d096d74afca5f95e419b66924b.
   - High probability of occurrence: https://databasin.org/maps/new#datasets=657de08f416241f294fc4e189243fdab.

[1] Sonoran Institute. 2017. Tucson, Arizona. https://sonoraninstitute.org/files/ProtectingCalDesertMilitary.pdf.

Protocol surveys for this species should be conducted after obtaining required permits from the CDFW. If the species occurs within the project area, it is expected that CDFW will require mitigation for unavoidable and/or residual impacts, which is typically calculated at a ratio of 3 acres protected or conserved for each acre of occupied habitat lost. If protocol surveys reveal that habitat patches within the project area are occupied by significant numbers of Mohave ground squirrels, we recommend other habitats on EAFB that are occupied by this species be targeted for conservation through the INRMP process, at a ratio of 3 acres conserved for each acre of habitat lost relative to Project surface disturbance impacts. As recommended for tortoises above, an offsite alternative to address the residual habitat impacts of surface disturbance should also be considered, whereby habitat suitable for Mohave ground squirrel is acquired and managed by an accredited mitigation banking or land trust entity for long-term conservation.

D. **Desert kit fox**. The desert kit fox is designated as a Fully Protected species under the California Fish and Game Code, which specifies that this species cannot be taken or possessed at any time, and that CDFW cannot issue incidental take permits. Thus, take of the species must be fully avoided. CDFW will require that protocol surveys be performed so that all active dens can be identified and individual animals safely removed/relocated outside of the Project area. EAFB and/or Project managers should contact Region 4 CDFW Office in Fresno regarding survey/safe relocation protocols.

Recent models show the distribution, habitat intactness and high probability of occurrence of desert kit foxes, as follows:

- Predicted occupied habitat: https://databasin.org/maps/new#datasets=f15b1247f2bc433f8758be6c9439a3aa.
- High probability of occurrence: https://databasin.org/datasets/725666446ed84cb68fa5432faa6ab4cf.
- Habitat intactness: https://databasin.org/datasets/498fe481061940e783bee518489d55be.

2. **Joshua Tree Woodlands**. Based on imagery available on Google Earth as well as DataBasin,[2] it appears the proposed Project area supports extensive stands of Joshua Tree Woodland, a natural community once abundant in the western Mojave Desert, but now relatively rare in many areas due to land development for housing, agriculture, industry and transportation systems. A distinct concern relative to the species' continued existence in northern portions of its range is the effect of climate change. Due to its limited abundance, we recommend the Project be designed to avoid as much intact Joshua Tree Woodland as practicable in conjunction with protection of habitat occupied by Agassiz's desert tortoise and Mohave ground squirrel.

3. **Project site preparation**. Although earth-moving and compaction is not proposed within the expanse of solar panel arrays, the scoping notice indicates these areas would be subject to disk-and-roll grading to maintain the general slopes and topography of the site, and any necessary clearing of vegetation. In addition, site preparation would also include vegetation clearing using movers, skip loaders, chippers and dump trucks.

Site preparation would begin by clearing existing vegetation, to the extent necessary, using mowers, skip loaders, chippers, and dump trucks. We have visited several solar projects using PV technology that utilized the disk-and-roll grading which has been described as more ecologically-suitable because it leaves root systems of native vegetation in place and aids in soil stability and site recovery.

[2] https://databasin.org/datasets/69d8a9eacbc2499cb5344c08d4368937.

However, we urge caution regarding this type of grading because all the project sites we have visited had been essentially scraped-bare of all vegetation, watered and treated to minimize dust generation. The sites certainly didn't appear to have been treated in a more ecological-friendly manner.

We recommend that native vegetation within solar panel arrays be left in place and that no mowing and disk-and-roll treatments occur. This could be achieved by designing the pile and framework system to exceed the height of the natural vegetation community. We recognize, however, that some number of Joshua trees would require removal due to their greater height above the more abundant desert scrub vegetation.

This concludes the comments and recommendations on the proposed ESP from Defenders. Please contact Defenders staff as outlined below if you would like to discuss the contents of our letter in more detail or would like additional information.

Sincerely,

Jeff Aardahl
California Representative
Defenders of Wildlife
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Gualala, CA 95445
jaardahl@defenders.org

Thomas B. Egan
California Desert Representative
Defenders of Wildlife
P.O. Box 388
Helendale, CA 92342
tegan@defenders.org

# Public Comments

**From**: Lee Clauss [redacted]

**Sent**: Tuesday, January 2, 2018 2:22 PM

**To**: BREWER-ANDERSON, ANDREA NH-03 USAF AFMC 412 CEG/CEVA <andrea.brewer-anderson@us.af.mil>

**Cc**: KNESEL, CLIFFORD A NH-03 USAF AFMC 412 CEG/CEVA <clifford.knesel.1@us.af.mil>; RADEMACHER, THOMAS A NH-03 USAF AFMC 412 CEG/CEVA <thomas.rademacher.2@us.af.mil>

**Subject**: [Non-DoD Source] Notice of Scoping for EIS/EIR for EAFB Solar Project

Dear Ms. Brewer-Anderson:

Thank you for contacting the San Manuel Band of Mission Indians (SMBMI) regarding the above referenced project. SMBMI appreciates the opportunity to review the project documentation, which was received by our Cultural Resources Management (CRM) Department on December 8, 2017.

The proposed project area exists within Serrano ancestral territory and, therefore, is of interest to the Tribe. Unfortunately, however, we were not able to attend the public meeting held on December 12, 2017. That said, please note that in the Spring of 2017, SMBMI (via their CRM Department) began consultation, pursuant to Section 106 of the National Historic Preservation Act (NRHP), with Edwards AFB ( via Tom Rademacher, Cliff Knesel, and Osmar Alaniz) regarding this project. We have also requested to consult with the County of Kern regarding this project pursuant to CEQA (as amended, 2014) and CA PRC 21080.3.1.

As there is great archaeological sensitivity throughout the proposed Project area, SMBMI desires to continue consultation with Edwards AFB and the County of Kern on this matter and requests to receive a copy of the Draft EIS/EIR for our review and comment prior to its dissemination to the public. We are also interested in conducting additional consultation on our cultural resources-based concerns, prior to the drafting of this environmental document, should either Edwards AFB or County of Kern be amenable and available.

If you should have any further questions or require further clarification, please do not hesitate to contact me at your convenience, as I will be your Point of Contact (POC) for SMBMI with respect to this project.

Respectfully,

Lee Clauss

DIRECTOR, CULTURAL RESOURCES MANAGEMENT

[redacted]

<http://www.sanmanuel-nsn.gov>

**From:** Lucy Snyder[redacted]

**Sent:** Tuesday, December 26, 2017 4:02 PM

**To:** Planning Department <Planning@kerncounty.com>

**Subject:** PROJECT: EIR JKM 07-17; Edwards AFB Solar Project by Edwards AFB Solar LLC (PP181360

Dear Director Oviatt and Planning Commission:

I am one of the property owners who received a letter pertaining to an EIR for the above project. My property is within 1,000 feet of the proposed project. My parcel of ten acres is: #428-174-25-00-9.

This project will render my property worthless. My family has been paying taxes on this parcel for almost 60 years. I thought I could eventually use this property for retirement or to contribute to my retirement. I have been a Californian all my life, paying taxes and supporting this State and County. I'm not a big corporation that can simply write off this loss.

It is my opinion that this project should be contained within the air force base. The map indicates it does exceed it, thereby creating a hardship for those properties adjacent to it. I am very much against the boundaries outlined in your map and letter. I would like to attend the project hearing if you can advise me of the date when it is scheduled.

Sincerely,

Lucy A. Snyder

Owner of Parcel #[redacted]

# Appendix B:
## Technical Reports

# B1. Fate and Transport Evaluation

Environmental Toxicology and Chemistry, Vol. 31, No. 7, pp. 1670–1675, 2012
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Printed in the USA
DOI: 10.1002/etc.1865

# FATE AND TRANSPORT EVALUATION OF POTENTIAL LEACHING RISKS FROM CADMIUM TELLURIDE PHOTOVOLTAICS

PARIKHIT SINHA,*† ROBERT BALAS,‡ LISA KRUEGER,† and ANDREAS WADE§
†First Solar, Tempe, Arizona, USA
‡Iris Environmental, Oakland, California, USA
§First Solar GmbH, Berlin, Germany

(*Submitted* 23 *November* 2011; *Returned for Revision* 17 *January* 2012; *Accepted* 8 *March* 2012)

**Abstract**—Fate and transport analysis has been performed to evaluate potential exposures to cadmium (Cd) from cadmium telluride (CdTe) photovoltaics (PV) for rainwater leaching from broken modules in a commercial building scenario. Leaching from broken modules is modeled using the worst-case scenario of total release of Cd, and residential screening levels are used to evaluate potential health impacts to on-site workers and off-site residents. A rooftop installation was considered rather than a ground-mount installation because rainwater runoff is concentrated via building downspouts in a rooftop installation rather than being dispersed across large areas in a ground-mount installation. Fate and transport of Cd from leachate to soil are modeled using equilibrium soil/soil-water partitioning. Subsequent migration to ambient air as windblown dust is evaluated with a screening Gaussian plume dispersion model, and migration to groundwater is evaluated with a dilution-attenuation factor approach. Exposure point concentrations in soil, air, and groundwater are one to six orders of magnitude below conservative (residential soil, residential air, drinking water) human health screening levels in both a California and southern Germany (Baden-Württemberg) exposure scenario. Potential exposures to Cd from rainwater leaching of broken modules in a commercial building scenario are highly unlikely to pose a potential health risk to on-site workers or off-site residents. Environ. Toxicol. Chem. 2012;31:1670–1675. © 2012 SETAC

**Keywords**—Cadmium telluride  Leaching  Risk assessment  Fate and transport  Cadmium telluride photovoltaics

## INTRODUCTION

Solar energy is an important technology for climate change mitigation and development of a low carbon economy because it offers the highest global technical potential for electricity generation among renewable energy sources [1]. In particular, cadmium telluride (CdTe) thin film photovoltaic (PV) modules have the lowest life cycle carbon footprint and fastest energy payback time of current PV technologies [2]. Although CdTe has been shown to be significantly less toxic than elemental cadmium (Cd) on an acute basis [3], the primary health and safety concern for CdTe PV is the potential introduction of Cd compounds into the environment. When considered on a life cycle basis from raw material acquisition through product end-of-life, CdTe PV has been found to produce environmental Cd emissions to air that are no higher than those from conventional silicon PV technologies [4,5]. Moreover, because Cd is an unavoidable by-product of Zn mining, large-scale deployment of CdTe PV sequesters waste Cd that would otherwise be disposed of [6]. Prefunded end-of-life takeback and recycling programs also significantly reduce the overall environmental impact of CdTe PV modules [7].

Under normal operation, CdTe PV modules do not pose a threat to human health or the environment, because during the manufacturing process, the CdTe semiconductor layer is bound under high temperature to one sheet of glass, coated with an industrial laminate material, and then encapsulated between a second sheet of glass. However, some stakeholders have raised concerns about the potential exposure to CdTe from leaching of broken modules, defined as modules with cracked glass or broken pieces. Breakage results from extreme weather or human factors. Although rare, breakage followed by precipitation may potentially result in leaching of CdTe from modules and subsequent exposure to Cd compounds in soil, air, or groundwater. This analysis uses fate and transport modeling to estimate potential exposures to Cd compounds resulting from leaching and then evaluates the potential health effects associated with these exposures.

Fate and transport scenarios were evaluated for two geographic locations, southern Germany and California. Germany is among the world's leading PV markets, having accounted for nearly half of global demand in 2010 [8]. This analysis focuses on the higher solar irradiance region of southern Germany (Federal State of Baden-Württemberg). California is a leading PV market in the United States, and in 2011, the California state legislature adopted a renewable portfolio standard of 33% by 2020 (http://www.cpuc.ca.gov/PUC/energy/Renewables/index.htm).

In the present analysis, a commercial building scenario was chosen rather than a residential building scenario because the larger PV array size for commercial buildings increases the probability that module breakage may occur in a given year. However, both nonresidential (on-site) and residential (off-site) exposure scenarios were considered and evaluated using residential screening values. A rooftop installation was considered rather than a ground-mount installation because rainwater runoff can be concentrated via building downspouts in a rooftop installation (impact via concentrated stream) rather than being dispersed across large areas in a ground-mount installation. The evaluation considers the worst-case scenario in which the total mass of Cd in each broken module is released.

* To whom correspondence may be addressed (parikhit.sinha@firstsolar.com).
Published online 2 May 2012 in Wiley Online Library (wileyonlinelibrary.com).

## MATERIALS AND METHODS

The present analysis considers broken CdTe PV modules located on the rooftop of a commercial building. Potential receptors considered for analysis include on-site commercial/industrial workers and off-site residents. Under this exposure scenario, potential exposure to Cd is considered for commercial/industrial workers via inhalation of, dermal contact with, and ingestion of Cd leached into soil, as well as exposure to groundwater potentially impacted by leachate. Also under this exposure scenario, potential exposure to Cd is considered for off-site residents via inhalation of windblown dust from affected soil and exposure to groundwater potentially impacted by leachate.

To characterize these potential exposure scenarios, exposure point concentrations of Cd in soil, air, and groundwater are estimated using a fate and transport analysis. The estimated exposure point concentrations are the relevant concentrations to which on-site workers or off-site residents may potentially be exposed. The exposure point concentration for soil is only relevant to the on-site worker who may potentially have incidental contact with on-site surface soil during the workday. The exposure point concentration for air is relevant to both the on-site worker and off-site resident who may potentially inhale affected ambient air. The exposure point concentration for groundwater is relevant to both the on-site worker and off-site resident who may potentially use groundwater as drinking water.

To evaluate potential human health impacts, estimated exposure point concentrations are compared to human health screening levels. Nonresidential screening levels are applicable to the on-site worker, whereas residential screening levels are applicable to the off-site resident. In this evaluation, the residential screening levels are used in comparison with estimated exposure point concentrations to be protective of both on-site workers and off-site residents. Specifically, for California, residential screening levels for soil (1.7 mg/kg) and air ($1.4 \times 10^{-3}$ μg/m$^3$) are used instead of commercial/industrial screening levels of 7.5 mg/kg and $6.8 \times 10^{-3}$ μg/m$^3$, respectively. For Germany, a residential screening level for soil (2 mg/kg) is used instead of a commercial/industrial screening level of 60 mg/kg.

The fate and transport methodology used to estimate migration of Cd from the emission point (broken module) to the exposure point (soil, air, or groundwater) is summarized in Figure 1 and described with Equations 1 to 5 below. The concentration of Cd in leachate resulting from rainwater that falls upon and runs off broken modules is estimated based on a worst-case mass balance approach, where all the mass of Cd in each broken module is assumed to be transferred from the module into the volume of rainfall that falls upon the module during the exposure period. The subsequent concentration of Cd in rainwater runoff from the overall module array is calculated using a weighted average between impacted runoff from broken modules and nonimpacted runoff from unbroken modules. It should be noted that the assumption of total release of Cd from a broken module was adopted for the purpose of conducting screening level risk assessment, but is unlikely in the light of low experimentally measured emissions from broken or burnt modules [4].

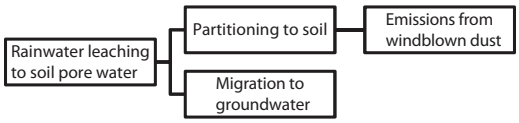


Fig. 1. Fate and transport schematic of migration from emission point (rainwater leaching from broken module) to exposure point in soil, air, and groundwater.

It is assumed that the rooftop runoff is conveyed via downspouts and discharged onto the ground surface over an area of 1 m$^2$ per downspout. Chemical concentrations in vadose (unsaturated) zone soil pore water at these discharge locations are assumed to be equal to the concentrations in the rooftop runoff discharge. The vadose zone soil pore water throughout the rest of the site is assumed to be nonimpacted. For the commercial building scenario, a roof with dimensions of $50 \times 50$ m is assumed to be completely covered by CdTe PV modules of dimensions $0.6 \times 1.2$ m each. Twenty-five downspouts are assumed for the building, based on the roof area being 25 times larger than a standard residential building ($10 \times 10$ m) [9], where the latter would have one downspout.

The vadose zone soil pore water concentration in each 1 m$^2$ downspout ground surface area is estimated with the worst-case mass balance approach in Equation 1, where the numerator represents the total annual release of Cd and the denominator represents the total annual column of rainfall.

$$\mathrm{CV} = \frac{N \times M \times \mathrm{CF} \times B}{P \times A} \tag{1}$$

where CV is the Cd concentration in vadose soil pore water (mg/L); $N$ is the number of modules (unitless); $M$ is the mass of Cd per module (g); CF is the conversion factor (mg/g); $B$ is the module breakage rate (year$^{-1}$); $P$ is the annual average precipitation (L/m$^2$-year), which is annual precipitation (m/year) falling over 1 m$^2$ converted to units of L from m$^3$; and $A$ is the area of roof-top array (m$^2$).

The potential transport of Cd to soil is evaluated in accordance with the equilibrium-partitioning approach described in the U.S. Environmental Protection Agency (U.S. EPA) soil screening guidance [10,11]. It is assumed that the surface soil where rainwater runoff is discharged is instantaneously impacted with Cd, at the concentration predicted by equilibrium partitioning between the water and soil matrices, as expressed by the soil/soil-water partitioning coefficient ($K_d$) value for Cd (Eqn. 2).

$$\mathrm{CS_{eq}} = \mathrm{CV} \times \left(K_\mathrm{d} + \frac{\theta_\mathrm{w}}{\rho_\mathrm{b}}\right) \tag{2}$$

where $\mathrm{CS_{eq}}$ is the equilibrium concentration of Cd in impacted soil (mg/kg); CV is the concentration of Cd in vadose zone soil pore water (mg/L); $K_\mathrm{d}$ is the soil/soil-water partitioning coefficient (L/kg); $\theta_\mathrm{w}$ is the soil water-filled porosity (unitless); and $\rho_\mathrm{b}$ is the soil dry bulk density (kg/L).

For this scenario, it is assumed that the entire area of the site evaluated here is uncovered by concrete or asphalt and is open bare soil to allow the runoff water to penetrate into site soils. In actuality, commercial sites are often completely covered by concrete or asphalt. On-site commercial/industrial workers are assumed on average to be exposed to site soils across the entire portion of the site that is not occupied by the building. Exposure point concentrations of chemicals in soil are therefore calculated as site-wide average concentrations, incorporating areas of impacted soils (at the worst-case concentrations predicted by equilibrium partitioning) and nonimpacted soils (Eqn. 3). The exposure area (SA-A; Fig. 2) is assumed to be the same as that for a residential building [9], even though a commercial building property would likely be larger, therefore with larger

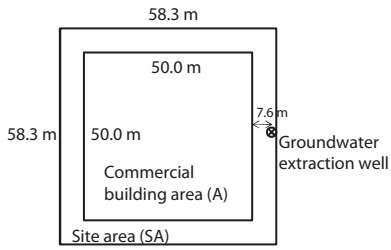


Fig. 2. Site schematic.

nonimpacted areas. This assumption accounts for the potential of at least part of the site to be covered.

$$CS = CS_{eq} \times \frac{IA}{(SA - A)} \quad (3)$$

where CS is the exposure point concentration of Cd in soil (mg/kg); $CS_{eq}$ is the equilibrium concentration of Cd in impacted soil (mg/kg); IA is the impacted area ($m^2$); SA is the site area ($m^2$); and $A$ is the area of building ($m^2$).

The potential transport of Cd from impacted soil to ambient air is estimated (Eqn. 4) using the U.S. EPA-recommended default windblown dust emissions flux for wind erosion ($1.38 \times 10^{-7}$ g/s-$m^2$) [11]. As noted above, the uncovered portion of the site is assumed to be bare earth for the purpose of this analysis, whereas commercial sites are frequently landscaped or covered by concrete or asphalt. It is assumed that Cd is present in this windblown dust at the soil concentration predicted by equilibrium partitioning (Eqn. 2). The U.S. EPA screening Gaussian plume dispersion model SCREEN3 [12] is used in conjunction with the emissions flux to estimate worst-case concentrations of dust and thus Cd in ambient air. The maximum hourly dust concentration from SCREEN3 was adjusted with a persistence factor of 0.08 [13] to derive the annual worst-case concentrations of dust.

$$CA = CS_{eq} \times CD \times CF_1 \times CF_2 \quad (4)$$

where CA is the exposure point concentration of Cd in air (μg/$m^3$); $CS_{eq}$is the equilibrium Cd concentration in soil (mg/kg); CD is the worst case dust concentration in air (mg/$m^3$); $CF_1$ is the conversion factor (kg/mg); and $CF_2$ is the conversion factor (μg/mg).

The potential transport of Cd to groundwater is evaluated in accordance with the dilution-attenuation factor (DAF) approach described in the U.S. EPA soil screening guidance [10,11]. It is assumed that vadose zone soil water, from the ground surface to the groundwater table, contains Cd at the module array-runoff concentration discussed above in Equation 1 (i.e., it is assumed the soil column does not adsorb any Cd). The potential concentration of Cd in groundwater at the hypothetical point of usage, which is assumed by the model to be a groundwater extraction well located 25 ft from the edge of the impacted area, is calculated by applying an upper bound (95th percentile) DAF [14] to the vadose soil water concentration (Eqn. 5). Note that for DAF values, higher percentiles represent numerically lower values, indicating less dilution-attenuation, and therefore higher groundwater concentrations.

$$CW = \frac{CV}{DAF} \times CF \quad (5)$$

where CW is the exposure point concentration of Cd in groundwater (μg/L); CV is the concentration of Cd in vadose zone soil pore water (mg/L); DAF is the dilution-attenuation factor (unitless); and CF is the conversion factor (μg/mg).

The specific fate and transport modeling parameters used in Equations 1 to 5 are summarized in Table 1. The parameters are the same for the two geographies evaluated, with the exception of higher average annual precipitation (37.32 inches/year; http://www2.lubw.baden-wuerttemberg.de/public/abt5/klimaatlas_bw/klima/aenderungen/ba-wue/niederschlag/index.html) for Baden-Württemberg, relative to California (21.44 inches/year; http://www.nationalatlas.gov/printable/precipitation.html). In addition, the German dry soil bulk density (1.4 kg/L; average between settlement and grassland areas [15]) is slightly lower than that used for California (1.5 kg/L [11]).

It should also be noted that the German Federal Environment Ministry does not provide a default value for the soil/soil-water partitioning coefficient data ($K_d$) for cadmium, due to low mobility in groundwater [16]. In this evaluation, the $K_d$ value used for the California exposure scenario is applied to the southern Germany exposure scenario.

## RESULTS

Exposure point concentrations of Cd in soil, air, and groundwater derived in Equations 3 to 5, respectively, are summarized in Table 2, and compared to human health screening levels for each of these media. For the California case, the screening levels in soil, air, and groundwater are from the California Human Health Screening Levels, U.S. EPA Region 9 Regional Screening Levels, and U.S. National Primary Drinking Water Regulations, respectively. Residential soil and indoor air screening values are used, both of which are more protective than the commercial building soil and outdoor air exposure scenarios considered here.

In the southern Germany case, the soil screening level is from the residential trigger value in Annex 2 of the Federal Soil Protection and Contaminated Sites Ordinance (http://www.umweltbundesamt.de/boden-und-altlasten/altlast/web1/berichte/pdf/bbodschv-engl.pdf). The standard residential trigger value in soil is 20 mg/kg, whereas for the special case of gardens in which children stay and food plants are grown, a residential trigger value of 2 mg/kg applies. Table 2 presents the latter more protective soil screening value, which is similar to the California Human Health Screening Levels value used for California. The German air screening level is based on World Health Organization air quality guidelines for Europe [17] and is slightly higher in magnitude than the California air screening level. The groundwater screening level is from the German regulation on drinking water (http://www.umweltbundesamt.de/wasser-e/themen/trinkwasser/gesetze.htm) and is the same as the U.S. drinking water standard.

In the California and southern Germany cases, exposure point concentrations in soil, air, and groundwater are one to six orders of magnitude below human health screening levels, indicating that it is highly unlikely that exposures to these media would pose potential health risks to on-site workers or off-site residents. In particular, air concentrations are below screening levels by five to six orders of magnitude, indicating exposure to ambient air is a de minimis exposure pathway.

For reference, the average background Cd concentration in California surface soils is 0.36 mg/kg [18], whereas average background surface soil Cd concentrations in Baden-Württemberg range from 0.2 to 0.3 mg/kg [19]. Therefore, modeled impacts to soil are over an order of magnitude below both human health screening levels and regional background levels.

Table 1. Fate and transport modeling parameters used in conjunction with Equations 1 to 5 for California (CA) and Baden-Württemberg (B-W) exposure scenarios[a]

| Equation 1 parameters[b] | Equation 2 parameters[c] | Equation 3 parameters[d] | Equation 4 parameters[e] | Equation 5 parameters[f] |
|---|---|---|---|---|
| N: 3472 | CV (CA/B-W): 0.00612/0.00352 mg/L | $CS_{eq}$ (CA/B-W): 0.460/0.265 mg/kg | $CS_{eq}$ (CA/B-W): 0.460/0.265 mg/kg | CV (CA/B-W): 0.00612/0.00352 mg/L |
| M: 6 g/module | $K_d$: 75 L/kg | IA: 25 $m^2$ | CD: $5.5 \times 10^{-6}$ | DAF: 7.82 |
| CF: 1000 mg/g | $\theta_w$: 0.3 | SA: 3400 $m^2$ | $CF_1$: 0.000001 kg/mg | CF: 1000 μg/mg |
| B: 0.04% $year^{-1}$ | $\rho_b$ (CA/B-W): 1.5/1.4 kg/L | A: 2500 $m^2$ | $CF_2$: 1000 μg/mg | |
| P (CA/B-W)[g]: 545/947 L/$m^2$-year | | | | |
| A: 2500 $m^2$ | | | | |

[a] When two values are provided for a given parameter, first value is for CA and second value is for B-W.
[b] Parameters in Equation 1 are N (number of modules), M (mass of Cd per module), CF (conversion factor), B (module breakage rate), P (annual average precipitation), and A (area of building).
[c] Parameters in Equation 2 are CV (concentration of Cd in vadose zone soil pore water), $K_d$ (soil/soil-water partitioning coefficient), $\theta_w$ (soil water-filled porosity), and $\rho_b$ (soil dry bulk density).
[d] Parameters in Equation 3 are $CS_{eq}$ (equilibrium concentration of Cd in impacted soil), IA (impacted area), SA (site area), and A (area of building).
[e] Parameters in Equation 4 are $CS_{eq}$ (equilibrium Cd concentration in soil), CD (worst case dust concentration in air), $CF_1$ (conversion factor), and $CF_2$ (conversion factor).
[f] Parameters in Equation 5 are CV (concentration of Cd in vadose zone soil pore water), DAF (dilution-attenuation factor), and CF (conversion factor).
[g] Precipitation parameter (P) is based on annual average precipitation of 21.44 and 37.32 inches for California and Baden-Württemberg respectively.

For further perspective on soil impacts, Cd is commonly found in agricultural fertilizers. California is among the top users of agricultural fertilizer in the United States and analysis of metals in fertilizer samples has been performed by the California Department of Food and Agriculture, with median Cd concentrations of 89 mg/kg in phosphate fertilizer and 37 mg/kg in nitrogen/phosphorus/potassium (NPK) fertilizer [20]. Similarly, average Cd concentrations in phosphate and NPK fertilizer in Germany are 60 and 18 mg/kg, respectively (http://www.bfr.bund.de/cm/343/cadmiumaustrag_ueber_duengemittel.pdf). These values are over three orders of magnitude higher than the estimated exposure point concentration in soil in California and southern Germany (Table 2).

For reference, average background Cd (total suspended particulate) concentrations in California ambient air monitoring stations ranged from 0.0008 to 0.001 μg/$m^3$ in 2008 (http://www.epa.gov/air/data/geosel.html). Similarly, average background Cd concentrations in Europe range from 0.0001 to 0.0004 μg/$m^3$ in rural areas and 0.0002 to 0.0025 μg/$m^3$ in urban areas [21]. Therefore, modeled impacts to air are five orders of magnitude below both health screening levels and background levels.

For reference, the average background Cd concentration in groundwater from 1984 to 2004 in California Air Force bases ranged from <0.004 mg/L (50th percentile) to 0.006 mg/L (95th percentile; http://www.dtsc.ca.gov/assessingrisk/upload/metals_handout.pdf). In Baden-Württemberg, average background Cd concentrations in groundwater range from 0.00052 to 0.0039 mg/L [22]. Therefore, modeled impacts to groundwater in California and southern Germany are below both human health screening levels and background levels.

In addition to soil, air, and groundwater, another route of potential concern is direct discharge of rooftop runoff to stormwater catch basins. In combined sewer systems, stormwater and wastewater are collected together and treated at a publicly owned treatment works (POTW). The worst-case rooftop runoff Cd concentration (assuming total release of Cd from broken modules) is equivalent to the estimated Cd concentration in vadose soil pore water (CV; 0.004–0.006 mg/L; Table 1). Because this concentration is approximately consistent with drinking water standards, impacts to POTW's from rooftop runoff are expected to be minimal.

## DISCUSSION

The fate and transport analysis conducted here represents a worst-case scenario of total Cd release from broken modules. An implicit assumption for this scenario is that a broken module would remain undetected and in the field over the exposure duration. This is a screening level assumption that would likely not occur given routine inspections of modules or power output monitoring. For example, the latter may include diagnostic comparison of actual to expected performance or comparison of co-located arrays to identify low performance areas and modules that are nonfunctioning potentially due to breakage.

Another implicit assumption is that emissions of CdTe from rainwater leaching of broken modules can be modeled as emissions of Cd, a "read-across" approach. This is a screening

Table 2. Estimated exposure point concentration (EPC) and corresponding human health screening level in soil, air, and groundwater.

| | Soil EPC (mg/kg) | Soil screening level (mg/kg) | Air EPC (μg/$m^3$) | Air screening level (μg/$m^3$) | Ground-water EPC (mg/L) | Ground-water screening level (mg/L) |
|---|---|---|---|---|---|---|
| California[a] | $1.28 \times 10^{-2}$ | 1.7 | $2.53 \times 10^{-9}$ | $1.4 \times 10^{-3}$ | $7.83 \times 10^{-4}$ | $5 \times 10^{-3}$ |
| Baden-Württemberg[b] | $7.35 \times 10^{-3}$ | 2 | $1.46 \times 10^{-9}$ | $5 \times 10^{-3}$ | $4.50 \times 10^{-4}$ | $5 \times 10^{-3}$ |

[a] California screening levels are from the California Human Health Screening Levels (http://www.calepa.ca.gov/brownfields/documents/2005/CHHSLsGuide.pdf) for soil, USEPA Region 9 (http://www.epa.gov/region9/superfund/prg/) for air, and U.S. National Primary Drinking Water Regulations (http://water.epa.gov/drink/contaminants/index.cfm) for groundwater.
[b] German screening levels are from Annex 2 of the Federal Soil Protection and Contaminated Sites Ordinance (http://www.umweltbundesamt.de/boden-und-altlasten/altlast/web1/berichte/pdf/bbodschv-engl.pdf) for soil, World Health Organization air quality guidelines for Europe [17] for air, and German regulation on drinking water (http://www.umweltbundesamt.de/wasser-e/themen/trinkwasser/gesetze.htm) for groundwater.

level assumption because CdTe is relatively insoluble [3,23]. For example, transformation and dissolution testing is designed to determine the rate and extent to which sparingly soluble metal compounds can produce soluble available ionic species in aqueous media under a set of standard laboratory conditions representative of those generally occurring in the environment. Based on long-term transformation and dissolution testing of CdTe, a 1 mg/L loading showed a concentration of 15 μg of Cd per L after 28 d, indicating approximately 1.5% solubility [24]. This is also consistent with the very low solubility product ($K_{sp} = 9.5 \times 10^{-35}$) for CdTe [25]. In addition to low solubility, CdTe can be contrasted with elemental Cd and other Cd compounds based on limited bioavailability and low acute toxicity, which result in an overall margin of safety of two orders of magnitude likely inherent to CdTe screening assessments developed using the read-across approach from Cd [25].

Because of the low solubility of CdTe, aggressive extraction methods are required to leach CdTe from a module. Such methods are used, for example, in the recycling process for CdTe modules. They involve crushing the module into mm-scale pieces and agitating it in an acidic solution [7]. These extraction methods in no way mimic actual broken or cracked module exposure to rainwater. Therefore, the assumption of total Cd release from broken modules is highly unlikely.

In addition to this worst-case assumption, other upper bound assumptions are used in the analysis. Migration from vadose zone soil pore water to soil is modeled with equilibrium partitioning, which represents the theoretical maximum concentration possible in the solid phase, for a given concentration in soil pore water. Subsequent migration from soil to air is modeled using the SCREEN3 U.S. EPA Gaussian plume dispersion model to estimate worst-case concentrations of windblown dust.

The approach used to estimate groundwater impacts is also upperbound because it does not account for the loss of chemical mass from the pore water during soil-water partitioning, instead assuming that the pore water is instantaneously in equilibrium with the solid soil phase. Accordingly, no mass in pore water is lost to the solid soil phase during partitioning, when in actuality some of this mass partitions into the solid soil phase, with a subsequent reduction in the concentration of Cd in the pore water with depth, until equilibrium is reached. Accounting for the loss of chemical mass from the pore water to the solid phase would lower chemical concentrations in soil water that are assumed to penetrate to groundwater and so reduce predicted groundwater exposures. In addition, the DAF assumes that there is an infinite source of mass available for release. Conserving mass would likely reduce the average long-term groundwater concentration estimated using the DAF approach and so result in lower groundwater exposures. Moreover, the dilution-attenuation factor used was a 95th percentile DAF where the higher percentiles represent numerically lower DAF values, indicating less dilution-attenuation and therefore higher groundwater concentrations. All of these factors contribute to the likelihood that impacts to groundwater are overestimated. Also as described earlier, under German groundwater assessment methodology, a default soil/soil-water partitioning coefficient data ($K_d$) is not provided, due to low mobility of Cd in groundwater [16] implying that using the DAF approach will result in an overestimate of groundwater concentration.

The soil/soil-water partitioning coefficient used in Equation 2 is pH-dependent. In the absence of site-specific soil pH, the default recommended soil pH of 6.8 was used in this analysis, corresponding to a Cd soil/soil-water partitioning coefficient of 75 L/kg. The latter coefficient ranges from 17 L/kg at soil pH of 5 to 4,300 L/kg at soil pH of 8 [11]. The equilibrium concentration of Cd in impacted soil is proportional to the soil/soil-water partitioning coefficient (Eqn. 2). Therefore, under acidic soils, the exposure point concentration in soil may be up to a factor of 4.4 lower than the concentration estimated in Table 2. For alkaline soils, the exposure point concentration in soil may be up to a factor of 57 higher than the concentration estimated in Table 2. However, because the soil exposure point concentrations in Table 2 are over two orders of magnitude below screening levels, potential health risks from exposure to soil are highly unlikely under varying soil pH.

The number of building downspouts (25) is based on the commercial building roof area being 25 times larger than a standard residential building with one downspout. The number of downspouts affects the impacted soil area (parameter IA in Eqn. 3), with each downspout discharging onto 1 $m^2$ of ground surface area. With additional downspouts, the soil exposure point concentration estimated with Equation 3 would increase proportionally. However, because the soil exposure point concentrations in Table 2 are over two orders of magnitude below screening levels, potential health risks from exposure to soil are highly unlikely under variations in the number of building downspouts.

Another screening level assumption is the module breakage rate. Product return statistics have been obtained in the 2011 fourth quarter from First Solar's warranty manager evaluating global warranty trends (J. Sokol, First Solar, Perrysburg, Ohio, USA, personal communication), including five years of actual performance data with extrapolations to later years of product life, based on an observed decline in breakage rate after the installation and initial operating period. Module breakage is rare, occurring in approximately 1% of modules over the 25-year warranty operating life, including the shipping and installation period. Of these breakages, over one-third occurs during shipping and installation and are removed for takeback and recycling. In addition, a proportion of broken modules have only chipped glass that does not affect the CdTe semiconductor layer. These two considerations considerably reduce the relevant breakage rate for modules that may be subject to leaching by rainfall. Nevertheless in this analysis, a conservative breakage rate of 1% over a 25-year life (0.04%/year) is applied.

The screening level approach used in this evaluation considers each exposure medium (soil, air, groundwater) separately. If an exposure point concentration for a chemical exceeds a screening level, the chemical is of potential concern to human health and requires further risk assessment. Conversely, if a screening level is not exceeded, it is highly unlikely that the chemical may pose a potential health risk in that exposure media. In addition to screening health risks for each exposure medium, cumulative risks across exposure media were considered using the exposure point concentrations in Table 2 in conjunction with U.S. EPA exposure assessment methodology [26,27] and the inhalation unit risk and oral reference dose for Cd (http://www.epa.gov/iris/subst/0141.htm). Across the exposure media of soil, air, and groundwater, cumulative risks and hazards are below one in one million and the hazard index of 1, respectively, as expected given that the media-specific exposure point concentrations are orders of magnitude below human health screening levels.

Overall, a worst case leaching scenario with screening level fate and transport modeling yields impacts to soil, air, and groundwater that are one to five orders of magnitude below human health screening levels in a California and southern

Germany exposure scenario. Potential exposures to Cd from rainwater leaching of broken modules in a commercial building scenario are highly unlikely to pose a potential health risk to on-site workers or off-site residents.

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# Fate and Transport Evaluation of Potential Leaching and Fire Risks from CdTe PV

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## ABSTRACT

Fate and transport analysis has been performed to evaluate potential exposures to cadmium (Cd) from cadmium telluride (CdTe) photovoltaics (PV) for non-routine circumstances (rainwater leaching from broken modules and emissions from fire). The analysis considers Cd transport from ground mount and roof mount systems via leaching, and from roof mount systems via fire and subsequent leaching. Fate and transport of Cd to soil from broken modules is based primarily on leachability, soil/soil-water partitioning coefficient, and annual rainfall. Subsequent migration to ambient air as windblown dust is dependent on both the particulate emission flux and on ambient air dispersion as modeled with a screening Gaussian plume dispersion model. Migration to groundwater is evaluated with a dilution-attenuation factor approach, and is dependent on leachability, infiltration rate, and source size. Fate and transport analysis of emissions from fire considers emissions to ambient air and transport to soil and groundwater from entrainment in water used to extinguish the fire. Fate and transport to air is dependent on the roof mount system size, Cd fire related emission rate, heat release rate, and ambient air dispersion as modeled with a screening Gaussian plume dispersion model. Fate and transport to water is dependent on the same factors that determine leaching to soil and groundwater described above. Using these modeling approaches, the relevant media-specific exposure point concentrations and/or daily intakes are estimated and compared to conservative health screening levels to evaluate potential health impacts to onsite and offsite receptors. It is concluded that potential exposures to Cd from rainwater leaching of broken modules and emissions from a fire are highly unlikely to pose a potential health risk to residents, workers, consumers, or emergency responders.

## INTRODUCTION

Some stakeholders have raised concerns about the potential exposure to CdTe from leaching of broken modules and release during fires. Under normal operation, CdTe PV modules do not pose a threat to human health or the environment, as during the manufacturing process, the CdTe semiconductor layer is bound under high temperature to one sheet of glass, coated with an industrial laminate material, and then encapsulated between a second sheet of glass. However, questions may arise with regards to unusual events, namely broken modules subject to leaching by precipitation and modules exposed to fire.

Independent reviews carried out under the authority of the French, German, and Spanish governments [1-3] have concluded that emissions of Cd compounds are negligible under these non-routine circumstances. This analysis further extends these evaluations by using fate and transport modeling to estimate potential exposures to Cd compounds resulting from leaching and fire, and then evaluating the potential health effects associated with these exposures.

Broken modules refer to modules with cracked glass or broken pieces. Breakage results from extreme weather or human factors. While rare, breakage followed by precipitation may potentially result in leaching of CdTe from modules and subsequent exposure to Cd compounds in soil, air, or groundwater.

Modules can be exposed to building or grass fires affecting roof mount or ground mount systems, respectively. Under the high temperatures of a building fire (800 to 1100 deg C), the module glass fuses together with Cd diffusing into glass, limiting release. However, a small amount of Cd (0.04%) may be emitted before the two pieces of glass fuse together [4]. The effect of these emissions are considered for building residents, workers, and emergency responders.

For grass fires, flame residence times in grass fuels are approximately 15 seconds, and maximum temperatures are approximately 800 to 1000°C [5]. The melting point of CdTe is 1041°C, and evaporation begins at 1050°C [4], and the melting point of module glass is several hundred degrees centigrade higher. Therefore, for ground mount systems exposed to grass fires, Cd would remain encapsulated in the modules. Characterization of emissions from fire is an area of active research.

## METHODS

Table 1 summarizes exposure scenarios evaluated with respect to rainwater leaching from broken modules and emissions from fire.

### Leaching by Rainwater

*Exposure pathways*

For leaching from ground mount systems, potential receptors include installation/maintenance workers, commercial/industrial workers, and offsite residents. Installation/maintenance workers may be exposed via dermal contact with broken modules, and inhalation of windblown dust from affected soil. Commercial/industrial

workers may be exposed via inhalation of, dermal contact with, and ingestion of Cd leached into soil, as well as exposure to groundwater potentially impacted by leachate. Offsite residents may be exposed to Cd via inhalation of windblown dust from affected soil, and exposure to groundwater potentially impacted by leachate.

For leaching from roof mount systems, potential receptors and exposure pathways are the same as for ground mount systems, except for the addition of onsite building residents, who also may be exposed to Cd via inhalation of, dermal contact with, and ingestion of Cd leached into soil, as well as exposure to groundwater potentially impacted by leachate. Additionally for roof mount systems, an exposure scenario considers a farm, with an array of modules on a building rooftop that uses collected rainwater to raise crops and cattle. The farm worker has the same exposure scenarios as the building resident, and an offsite consumer may be exposed through ingestion of farm beef, dairy products, and produce.

**Table 1. Potential exposure scenarios associated with leaching from broken modules and emissions from a fire for CdTe PV**

| Scenario | | Exposure Medium | Receptor |
|---|---|---|---|
| Leaching from Broken Module | Ground mount PV | Air, Module Contact | Installation/ Maintenance Worker |
| | | Air, Groundwater | Offsite Resident |
| | | Air, Soil, Groundwater | Commercial/Industrial worker |
| | Roof mount PV | Air, Module Contact | Installation/ Maintenance Worker |
| | | Air, Groundwater | Offsite Resident |
| | | Air, Soil, Groundwater | Building Resident, Commercial/Industrial Worker, Onsite Farm Worker |
| | | Beef/dairy/produce | Beef/dairy/produce Consumer |
| Fire | Roof mount PV | Air | Emergency Responder |
| | | Air, Soil, Groundwater | Building Resident/ Worker |
| | | Air, Groundwater | Offsite Resident |

*Release mechanism*

The concentration of Cd in leachate resulting from rainwater that falls upon and runs off broken modules is estimated based on a worst-case mass balance approach, where all the mass of Cd in each broken module is assumed to be transferred from the module into the volume of rainfall that falls upon the module during the exposure period. This mass balance-derived value is compared to laboratory measurement of the Soluble Threshold Limit Concentration (STLC) [6], which represents an upper end leachable concentration. The lower of these values is used as an upper bound of the potential leachate concentration. The concentration of Cd in rainwater runoff from the overall module array, which contains mostly unbroken modules, is calculated using a weighted average.

*Transport to soil*

The potential transport of Cd to soil is evaluated in accordance with the equilibrium-partitioning approach described in the USEPA soil screening guidance [7-8]. It is conservatively assumed that the surface soil where rainwater runoff is discharged is instantaneously impacted with Cd, at the concentration predicted by equilibrium partitioning between the water and soil matrices, as expressed by the soil/soil-water partitioning coefficient ($K_d$) value for Cd (Eq. 1).

$$CS_{eq} = CV \times \left( K_d + \frac{\theta_w}{\rho_b} \right) \quad (1)$$

where:

$CS_{eq}$ = equilibrium concentration of Cd in soil (mg/kg);

CV = concentration of Cd in vadose zone soil pore water (mg/L);

$K_d$ = soil/soil-water partitioning coefficient (L/kg);

$\theta_w$ = soil water-filled porosity (unitless); and

$\rho_b$ = soil dry bulk density (g/cm$^3$).

In the ground-mount system scenario, it is assumed that the rainwater that falls upon each module runs off the module onto an area of ground surface equal to the module area (i.e., 0.72 m$^2$). This situation is unlike the roof-mount system where impacted water is discharged to the same ground surface over and over again via gutter downspouts or collection and irrigation systems. In the ground-mount scenario, rather, the discharge of impacted water occurs at various locations over time as individual modules break at those locations. Over time, clean rainfall incident upon impacted soil will provide dilution of the Cd that was previously discharged to vadose pore water and soil from broken modules at those locations.

*Transport to air*

The potential transport of Cd from impacted soil to ambient air is estimated by: 1) assuming the USEPA-recommended default windblown dust emissions flux; 2) assuming that Cd is present in this windblown dust at the soil concentration predicted by equilibrium partitioning (described in previous paragraph); and 3) using the USEPA Gaussian plume dispersion model SCREEN3 [9] to estimate worst-case concentrations of dust, and thus Cd, in ambient air.

*Transport to groundwater*

The potential transport of Cd to groundwater is evaluated in accordance with the dilution-attenuation factor (DAF) approach described in the USEPA soil screening guidance [7-8]. It is conservatively assumed that vadose (unsaturated) zone soil water, from the ground surface to the groundwater table, contains Cd at the module array-runoff concentration discussed above (*i.e.,* it is assumed the soil column does not adsorb any Cd). An appropriate DAF is selected from the USEPA guidance, based on the source area. The potential concentration of Cd in groundwater at the hypothetical point of usage, which is assumed to be a groundwater extraction well located 25 feet from the edge of the source area, is calculated by applying the DAF to the vadose soil water concentration.

*Plant and animal uptake*

Product-related Cd present in rainwater runoff that is collected and used to irrigate crops and to feed cattle may potentially be transferred to plant and animal products and ultimately consumed by human populations. Potential plant and animal uptake of product-related Cd is modeled in accordance with Cal/EPA Hot Spots risk assessment guidance [9].

The concentration of Cd in vegetation grown onsite is estimated with a chemical-specific uptake factor that is a function of the vegetation type (exposed, protected, root, or leafy). Cd concentrations in beef and dairy products are a function of intake via dust inhalation, water ingestion, pasture ingestion, feed ingestion, and soil ingestion. The combined intake is subject to a chemical-specific transfer coefficient for the given animal product (i.e., beef or dairy).

*Exposure assessment*

Daily Cd intakes for potential receptors are calculated in accordance with standard USEPA and Cal/EPA exposure assessment methodology [9-13], using standard default Cal/EPA Office of Hazard Health Assessment (OEHHA) and Department of Toxic Substances Control (DTSC) exposure assumptions, and based on the exposure point concentrations developed through fate and transport modeling. Because it is not possible for both soil and groundwater to experience worst-case impacts, as quantified in this evaluation, soil- and groundwater-based intakes for the same receptor population are not summed, but rather are evaluated against health criteria separately.

**Fire**

*Exposure pathways*

For building fires affecting roof mount systems, potential receptors include building occupants (either residents or workers), offsite residents, and emergency responders (e.g., firefighters; see Table 1). Receptors may be exposed to Cd by direct inhalation of particulate matter associated with the smoke plume. In addition, building occupants and offsite residents may be exposed to Cd by contact with affected soil and groundwater (used as tap water).

*Release mechanism*

The release efficiency of Cd from modules in a fire (0.04%) is based on experimental studies in which samples of module were subjected to simulated fire events [2]. The total mass of Cd released from a module array during a fire is estimated from the number of modules in the array (i.e., the total mass of Cd available) and the experimentally measured release efficiency. All of the Cd released during the fire is conservatively assumed to be emitted over a period of time equal to the assumed exposure duration, which varies from 10 minutes to 8 hours based on the threshold exposure limit of comparison.

*Transport to ambient air*

The concentrations of Cd in ambient air, resulting from release from modules during a building fire, are estimated using the SCREEN3 Gaussian plume dispersion model [14]. Overall, the modeling approach is designed to quantify worst-case potential impacts at any receptor location downwind from the edge of the burning building and at any receptor height above ground surface, across a range of potential fire scenarios. All relevant regulatory model options (e.g., building downwash and fumigation) are employed (Table 2). USEPA-published persistence factors are applied to the worst-case 1-hour modeled concentration, to estimate worst-case concentrations over time periods of interest from an exposure perspective, ranging from 10 minutes to 8 hours.

**Table 2. SCREEN3 Dispersion Model Input Parameters**

| Input Parameters | Unit | Small Building Fire | Medium Building Fire | Large Building Fire |
|---|---|---|---|---|
| Source Type | – | F (flare) | F (flare) | F (flare) |
| Flare stack height | m | 5 | 5 | 5 |
| Total heat release rate | cal/s | 1.20E+06 | 2.99E+07 | 1.20E+08 |
| Receptor height above ground | m | 55 | 165 | 180 |
| Urban/rural option | – | R (rural) | R (rural) | R (rural) |
| Consider building downwash? | – | Y (yes) | Y (yes) | Y (yes) |
| - Building height | m | 4 | 4 | 4 |
| - Minimum horizontal building dimension | m | 10 | 50 | 100 |
| - Maximum horizontal building dimension | m | 10 | 50 | 100 |
| Choice of meteorology | – | 1 (full) | 1 (full) | 1 (full) |
| Automated distance array? | – | Y (yes) | Y (yes) | Y (yes) |
| - Minimum distance | m | 5 | 25 | 50 |
| - Maximum distance | m | 1000 | 1000 | 1000 |
| Fumigation calculation? | – | NA | Y (yes) | Y (yes) |
| Consider shoreline fumigation? | – | NA | Y (yes) | Y (yes) |
| - Distance to shoreline | m | NA | 7.60E+02 | 1.98E+03 |

*Transport to soil and groundwater*

During a fire, particulates containing Cd may settle-out from the smoke plume and deposit to the ground surface, potentially resulting in Cd impacts to soil and ultimately to groundwater. Runoff of water used to extinguish the fire may also result in Cd impacts to soil and groundwater, if the Cd released from the modules were to be entrained in the fire water and discharged to the ground surface, instead of being entrained in the smoke plume and transported downwind. The wet deposition scenario (Eq. 2) is quantitatively evaluated here, as this scenario is protective of the dry deposition scenario. The evaluation of potential transport to soil and groundwater, in the context of wet deposition via firewater, is based on the same methodologies and assumptions made in the transport evaluation conducted for the leaching via rainwater scenario, discussed above.

$$C_W = \frac{M_{Cd}}{V_F + V_P} \tag{2}$$

where:

$C_W$ = annual-average concentration of Cd in vadose soil pore water (mg/L);

$M_{Cd}$ = mass of Cd released from modules in fire (mg);

$V_F$ = volume of water used to extinguish fire (L); and

$V_P$ = volume of annual precipitation that falls upon site (L).

## RESULTS AND DISCUSSION

*Rainwater leaching risks*

Risks to workers, residents, and consumers with respect to rainwater leaching from broken modules are evaluated by comparing estimated daily intake (µg/day) to conservative screening levels with respect to inhalation cancer risk ($10^{-5}$ threshold) and reproductive/developmental toxicity from oral exposure [15]. Note that because the dermal exposure pathway is either incomplete, lacking a screening level, or insignificant compared to the ingestion pathway, it is not discussed further.

Figure 1 summarizes health risks from rainwater leaching from broken modules. For each scenario, media-specific daily intakes are below screening levels. For inhalation exposures, estimated daily intakes are largely greater than 2 orders of magnitude below screening levels. For oral exposures, estimated daily intakes are largely greater than 1 order of magnitude below screening levels.

For the commercial office building and solar farm scenarios, estimated daily intake from oral exposure to groundwater is within an order of magnitude but below screening levels. Soil and groundwater impacts are based on the assumption of equilibrium partitioning between vadose zone soil water and soil. The equilibrium concentration represents the theoretical maximum concentration possible in the solid phase, for a given concentration in soil pore water.

This assumption is highly conservative because it does not account for the loss of chemical mass from the pore water, but instead assumes that the pore water constitutes an infinite source of chemical available for partitioning to the solid soil phase. In actuality, there is only a finite mass of chemical available (i.e., the mass that is released from broken modules), and as some of this mass partitions into the solid soil phase, the concentration in the pore water would decrease. Accounting for the loss of chemical mass from the pore water to the solid phase would lower chemical concentrations in soil water that are assumed to penetrate to groundwater and so reduce predicted groundwater exposures. Accordingly, impacts to groundwater are likely overestimated.

In addition for the solar farm scenario, estimated daily intake from oral exposure of groundwater is conservative based on assuming that the groundwater extraction well is located 25 feet away from the edge of the source. In this scenario, the potential sources of groundwater impact are the individual broken modules scattered across a 6,000-acre site. Therefore, the actual distance from impacted vadose zone soil water to the offsite groundwater extraction well would be much greater than assumed here for all broken modules except those adjacent to the site boundary.

Furthermore, it is assumed that the Cd released from every broken module at the site is transported to the same offsite groundwater extraction well. In reality, it is highly likely that only a fraction of the site would be within the capture zone of the offsite extraction well.

Another primary source of uncertainty in this evaluation is the estimation of Cd concentrations in module rainwater leachate, which is conservatively bounded by the results of laboratory STLC testing. These extraction tests were conducted on homogenized samples of finely crushed module, agitated over a 48-hour period in an acidic solution. This testing in no way mimics actual broken or cracked module exposure to rainwater because the STLC extraction provides a much longer contact time and larger surface area for contact (because the module is crushed first) than the module would experience during use.

*Fire risks*

Inhalation risks to workers, residents, and emergency responders with respect to fire are evaluated by comparing exposure point concentrations from the fate

**Figure 1. Comparison of Estimated Daily Intake to Screening Values for Rainwater Leaching Scenarios**

| | Inhalation Exposures[a] | Oral Exposures[b] |
|---|---|---|
| **INSTALLATION AND MAINTENANCE SCENARIO** | | |
| Installation and Maintenance Workers | ● | - |
| **RESIDENTIAL BUILDING SCENARIO** | | |
| Onsite Residents – Soil Exposures | ● | ● |
| Onsite Residents – Groundwater Exposures | ● | ◉ |
| **COMMERCIAL OFFICE BUILDING SCENARIO** | | |
| Onsite Commercial/Industrial Workers | ● | ● |
| Offsite Residents – Soil Exposures | ● | - |
| Offsite Residents – Groundwater Exposures | ● | ○ |
| **BEEF/DAIRY/PRODUCE FARM SCENARIO** | | |
| Onsite Farm Workers | ● | ● |
| Offsite Residents – Soil Exposures | ● | - |
| Offsite Residents – Groundwater Exposures | ● | ◉ |
| Beef/Dairy/Produce Consumers | - | ◉ |
| **SOLAR FARM SCENARIO** | | |
| Onsite Commercial/Industrial Workers | ● | ◉ |
| Offsite Residents – Soil Exposures | ◉ | - |
| Offsite Residents – Groundwater Exposures | ● | ○ |

**Notes:**

a - From dust or aerosol tap water (showering) inhalation .

b - From soil, drinking water, or beef/dairy/produce ingestion.

● Ratio of Daily Cd Intake to Screening Value: <0.01

◉ Ratio of Daily Cd Intake to Screening Value: 0.01 - <0.1

○ Ratio of Daily Cd Intake to Screening Value: 0.1 - <1

and transport analysis against acute exposure guidelines (AEGLs) [16]. The AEGLs represent threshold exposure limits for the general public and are applicable to emergency exposure periods ranging from 10 minutes to 8 hours.

For exposure to affected soil and groundwater in the fire scenario, risk-based screening levels of Cd in soil are based on potential exposures via soil ingestion, soil dermal contact, and dust inhalation. Risk-based screening levels of Cd in groundwater are based on potential exposures via drinking water ingestion, dermal contact with tap water while showering, and inhalation of tap water aerosols while showering.

Table 3 summarizes health risks from fire emissions. For each scenario, all estimated exposure concentrations are below conservative screening values, generally by one to two orders of magnitude. Exposure point concentrations are slightly higher for smaller building sizes than larger, due to lower heat release rate which produces less atmospheric dispersion than for large buildings.

Incremental cancer risks associated with short-term exposure to Cd were also evaluated in accordance with USEPA inhalation risk assessment methodology [13]. Estimated cancer risks were over an order of magnitude below the 1 in 1 million level considered by USEPA to be an insignificant risk.

For fire risk, a source of uncertainty is the use of the SCREEN3 Gaussian plume dispersion model for fire emissions. USEPA guidance notes that modeling a fire as a flare point source is conservative, as this assumption neglects the initial dilution provided by air which is drawn

**Table 3. Comparison of Cd Exposure Point Concentrations to Health Screening Values for Fire Exposure Scenario**

| | Small building | | Medium building | | Large building | |
|---|---|---|---|---|---|---|
| | Exposure Point Concentration | Screening value[a,b] | Exposure Point Concentration | Screening value[a,b] | Exposure Point Concentration | Screening value[a,b] |
| **Ambient Air Evaluation (µg/m3)** | | | | | | |
| 10 minute Averaging Period | 26 | 130 | 25 | 130 | 23 | 130 |
| 30 minute Averaging Period | 6.0 | 130 | 5.9 | 130 | 5.4 | 130 |
| 60 minute Averaging Period | 3.0 | 100 | 2.9 | 100 | 2.7 | 100 |
| 240 minute Averaging Period | 0.67 | 63 | 0.66 | 63 | 0.61 | 63 |
| 480 minute Averaging Period | 0.26 | 41 | 0.26 | 41 | 0.24 | 41 |
| **Soil Evaluation (mg/kg)** | 0.42 | 39 | 2.80 | 505 | 3.40 | 505 |
| **Groundwater Evaluation[c] (mg/L)** | 0.00002 | 0.0078 | 0.0004 | 0.0078 | 0.0011 | 0.0078 |

Notes:

(a) For ambient air evaluation, screening value is AEGL-1, the airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic, non-sensory effects. However, the effects are not disabling and are transient and reversible upon cessation of exposure. There are three AEGL levels (AEGL-1, AEGL-2, and AEGL-3) distinguished by varying levels of toxic effects, with AEGL-1 levels as most stringent.

(b) For soil and groundwater evaluations, screening values are risk based screening levels (RBSLs) corresponding to cancer risk of $10^{-6}$ or hazard quotient of 1.

(c) For reference, California and U.S. Federal Maximum Concentration Limit (MCL) for Cd in water is 0.005 mg/L.

in over an area wide fire source. However, SCREEN3 is not specifically designed to simulate fires and so uses relatively simple correlations to describe the smoke plume.

To evaluate uncertainty, a large outdoor fire plume trajectory model - flat terrain (ALOFT FT) model [17] was run with inputs from the worst-case SCREEN3 modeling run (i.e., small building scenario). Overall, the SCREEN3 maximum concentration was higher than the ALOFT-FT maximum concentration. Therefore, these results further confirm that use of SCREEN3 to evaluate impacts associated with releases from fires is conservative.

## SUMMARY AND CONCLUSIONS

Under normal operation, CdTe PV modules do not pose a threat to human health or the environment, because the CdTe semiconductor layer is encapsulated within the module. However, questions may arise with regards to broken modules subject to leaching by precipitation and modules exposed to fire. Conservative fate and transport analysis shows that potential exposures to Cd from rainwater leaching of broken modules or emissions during a building fire are highly unlikely to pose a potential health risk to residents, workers, consumers, or emergency responders. For modeled fire scenarios, exposure point concentrations are generally one to two orders of magnitude below conservative screening values, and estimated cancer risks are over an order of magnitude below the 1 in 1 million level. For each rainwater leaching scenario modeled, estimated health risks are below conservative screening values.

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# B2. AQ-GHG Memorandum

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# MEMORANDUM

| | |
|---|---|
| To: | Simon Day, Vice President and Head of Solar Development |
| From: | Dudek |
| Subject: | Edwards Air Force Base Solar Facility Air Quality and Greenhouse Gas Emissions Methodology and Emissions Calculations |
| Date: | February 2, 2018 |
| Attachment A: | CalEEMod Outputs |
| Attachment B: | AERMOD Outputs and AAQA |

Dudek is pleased to submit this air quality and greenhouse gas (GHG) construction and operational emissions modeling and methodology memorandum to assist the Air Force with environmental planning requirements for the proposed solar facility to be located on the northwest corner of the Edwards Air Force Base (AFB), approximately 57 miles southeast of the City of Bakersfield.

This memorandum estimates criteria air pollutant and GHGs from construction and operation of the proposed project. The contents and organization of this memorandum are as follows: project description; general analysis and methodology; construction and operational assumptions; emissions calculations; and references cited.

## 1 PROJECT DESCRIPTION

The Air Force proposes to lease land to a developer for the construction, operation and maintenance of the Edwards Air Force Base Solar Photovoltaic Enhanced Use Lease Project (project). The project would be an up to 4,000-acre solar facility, which is anticipated to generate more than 100 megawatts (MW). The project would also include the construction, operation and maintenance of a 230-kilovolt (kV) generation tie (gen-tie) line from the proposed solar facility to a point of interconnection where power generated by the project can be delivered to the grid. Points of interconnection include the Southern California Edison (SCE) Windhub Substation and/or privately owned Westwind Substation. The gen-tie line would allow electricity generated from the project to reach high-voltage transmission lines, through a substation, that would be able to carry power to utility customers. The proposed 230 kV gen-tie line would run across publicly and privately owned property within Kern County. In general, the gen-tie route can be broken down in to two categories based on the direction of the corridor—a north–south connection and an east-west connection. There are three options for the north–south gen-tie connection and the proposed project would include only one of these three north-south route options. There are two options for

the east–west gen-tie connection and the proposed project would include only one of these two east–west route options. The final gen-tie route will be determined by the ability to acquire access easements for construction and installation of the line from public and private entities. Because all the possible gen-tie options would be similar in length, a singular construction schedule was assumed for all options.

## 2 GENERAL ANALYSIS AND METHODOLOGY

Project-generated air pollutant and GHG emissions are estimated using the most recent version of the California Emissions Estimator Model version 2016.3.2 (CalEEMod), which is the latest model available for both short-term construction and long-term operational criteria pollutants and GHG emissions. The use of CalEEMod is consistent with the Kern County recommendations for project-level review since CalEEMod uses current emission factors and updated default values and has the ability to quantify indirect air quality emissions and air quality mitigation (Kern County 2006).

### Criteria air pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. Criteria air pollutants that are evaluated include reactive organic compounds (ROCs; also referred to as volatile organic compounds (VOCs)), oxides of nitrogen ($NO_x$), carbon monoxide (CO), sulfur oxides ($SO_x$), particulate matter with an aerodynamic diameter less than or equal to 10 microns in size ($PM_{10}$), and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns in size ($PM_{2.5}$). VOCs and NOx are important because they are precursors to ozone ($O_3$). Criteria air pollutant emissions associated with construction of the project were estimated for the following emission sources: operation of off-road construction equipment, on and off-road hauling and vendor (material delivery) trucks, and worker vehicles.

### Greenhouse Gases

GHGs include, but are not limited to, carbon dioxide ($CO_2$), methane ($CH_4$), nitrous oxide ($N_2O$), $O_3$, water vapor, hydrofluorocarbons (HFCs), hydrochlorofluorocarbons (HCFCs), perfluorocarbons (PFCs), and sulfur hexafluoride ($SF_6$). Some GHGs, such as $CO_2$, $CH_4$, and $N_2O$, occur naturally and are emitted to the atmosphere through natural processes and human activities. Of these gases, $CO_2$ and $CH_4$ are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption potential than $CO_2$, include fluorinated gases, such as HFCs, HCFCs, PFCs, and $SF_6$, which are associated with certain industrial products and processes. GHG emissions are measured in metric tons of $CO_2$ equivalent (MT $CO_2E$), which account for weighted global warming potential (GWP) factors for $CH_4$ and

$N_2O$. This analysis assumes that the GWP for $CH_4$ is 25 and the GWP for $N_2O$ is 298, based on the IPCC Fourth Assessment Report (IPCC 2007).

# 3 CONSTRUCTION AND OPERATIONAL ASSUMPTIONS

## 3.1 Construction Assumptions

Emissions from the construction phase of the project were estimated using CalEEMod. Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on information provided in the previous air quality assessment and CalEEMod default values when project specifics were not known (Edwards AFB 2017).

Construction of the solar facility is anticipated to last up to one to four years, with individual phases are built on a rolling construction schedule. Actual development of the project site is dependent on market conditions upon project approval. For purposes of estimating project emissions, and based on information provided by the project applicant, it is assumed that construction of the project would commence in July 2018[1] and would last approximately 24 months, ending in July 2020. The phasing of construction activities described below represents a worst case scenario; with all phases of solar facility construction happening directly after one another. The analysis contained herein is based on the following assumptions (duration of phases is approximate):

- Solar Facility Construction July 2018 – July 2020 ( 24 Months)
- Gen-tie Construction – October 2019 – July 2020 (9 months)

For the analysis, it was generally assumed that heavy construction equipment would be operating at the site for approximately 8 hours per day, 5 days per week (22 days per month), during project construction.

Construction-worker estimates, vendor and haul truck trips by construction phase were based on assumptions in the previous air quality assessment. It was assumed there would an average of 550 peak daily workers for a total of 1,100 one-way trips, 339 daily miscellaneous delivery trips, 504 daily water truck trips(vendor trucks) and 10 daily panel delivery trips (haul trucks). No additional haul truck trips for earthwork materials were assumed because earthwork volumes are anticipated to be balanced on site. Based off the information provided in the previous air quality assessment trip

[1] The analysis assumes a construction start date of July 2018, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant and GHG emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

length for worker, vendor and haul trips were assumed to be 30, 7.3 and 114 miles respectively. Additionally, it was assumed that workers and vendors would travel 0.27 miles on unpaved roads each trip and haul trucks would travel 2.5 miles on unpaved miles each trip. (Edwards AFB 2017)

**Table 1**
**Construction Equipment**

| Construction Phase | Equipment | | | One-way Vehicle Trips | | |
|---|---|---|---|---|---|---|
| | *Equipment Type* | *Quantity* | *Usage Hours* | *Average Daily Worker Trips* | *Average Daily Vendor Truck Trips* | *Total Haul Truck Trips* |
| Solar Facility Construction | Excavators | 9 | 1.1 | 1,100 | 843 | 5,200 |
| | Forklifts | 25 | 0.5 | | | |
| | Generator sets | 4 | 8 | | | |
| | Off-highway tractors | 3 | 0.3 | | | |
| | Off-highway tractors | 3 | 0.5 | | | |
| | Other Construction Equipment | 30 | 2 | | | |
| | Other Construction Equipment | 20 | 1.1 | | | |
| | Other Material handling Equipment | 10 | 1.5 | | | |
| | Rubber Tired Dozers | 2 | 1.4 | | | |
| | Scrapers | 4 | 1.6 | | | |
| | Tractors/Loaders/Backhoes | 35 | 0.7 | | | |
| | Trenchers | 20 | 1.2 | | | |
| Gen-tie Construction | Cranes | 1 | 1.6 | 116 | 60 | 0 |
| | Excavators | 1 | 6 | | | |
| | Other Construction Equipment | 2 | 2 | | | |
| | Other Construction Equipment | 2 | 4 | | | |
| | Other Material Handling Equipment | 1 | 4 | | | |
| | Tractors/Loaders/Backhoes | 1 | 4 | | | |

Source, Attachment A.

## Ambient Air Quality Impacts

Per the *Guidelines for Preparing an Air Quality Assessment for Use in Environmental Impact Reports* (Kern County 2006), this air quality modeling analysis assessed the $PM_{10}$ and $PM_{2.5}$ ambient air quality impacts associated with the project to determine if project emissions are

predicted to cause or contribute to a violation of an ambient air quality standard by exceeding any California Ambient Air Quality Standards (CAAQS) or National Ambient Air Quality Standards (NAAQS). The ambient air quality assessment (AAQA) Dispersion modeling results are provided in Attachment B.

***Construction***

The dispersion modeling was performed using the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD), which is the model Eastern Kern Air Pollution Control District (EKACPD) requires for atmospheric dispersion of emissions. Off-site concentrations were modeled for the construction phase with the estimated project emissions in order to determine compliance with the CAAQS and NAAQS. Principal parameters of AERMOD for the project construction include the following:

***Dispersion Modeling***. The air dispersion model used was AERMOD, Version 16216r, with the Lakes Environmental Software implementation/user interface, AERMOD View Version 9.5.0. AERMOD was run with all sources emitting unit emissions (1 g/s) to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The X/Q values of ground level concentrations (GLCs) were determined for construction emissions using AERMOD and the maximum 24-hour and Period concentrations.

***Meteorological Data***. The latest 5-year meteorological data (2009–2013) for the Edwards AFB station from the California Air Resources Board (CARB) were used.

***Urban and Rural Options***. Urban areas typically have more surface roughness as well as structures and low-albedo surfaces that absorb more sunlight—and thus more heat—relative to rural areas. The rural dispersion option was selected due to the undeveloped nature of the project site.

***Terrain Characteristics.*** The terrain in the vicinity of the project site is generally flat. Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate.

***Modeling Grid.*** A nested grid of sensitive receptors was evaluated to capture maximum ambient pollutant impacts. This telescoping grid of receptors was set up with the following resolutions:

- 25-meter spacing on the facility boundary
- 25-meter spacing from facility boundary to 100 meters

- 50-meter spacing from 100 meters to 250 meters
- 100-meter spacing from 250 meters to 500 meters
- 250-meter spacing from 500 meters to 1 kilometer
- 500-meter spacing from 1 kilometer to 2 kilometers

***Source Equipment Operating Scenarios***. Air dispersion modeling of construction activities was conducted using emissions generated using CalEEMod. The construction area was modeled as a single area source.

***Source Release Characterizations***. For modeling construction emissions impacts using AERMOD, based on the worse-case project phase duration and number of concurrent activities for the project, it was assumed that approximately 200-acres of the total site area would have active construction activities at any one time and an initial vertical dimension of 1.4 meters and release height of 5 meters was used for diesel equipment and truck exhaust.

## 3.2 Operational Assumptions

**Area Sources**

CalEEMod emission factors were used to estimate operational emissions from area sources, which include architectural coatings. VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers using during building maintenance. The VOC evaporative emissions from application of nonresidential surface coatings were calculated based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emission factor is based on the VOC content of the surface coatings. Based on the type of structure for the Operations and Maintenance (O&M) building, it is assumed that the surface area for painting equals two times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating (CAPCOA 2016).

During operation and maintenance, one of the main sources of GHG emissions would be fugitive emissions from equipment containing $SF_6$ gas installed at the proposed on-site substations. $SF_6$ has a GWP of 23,900 using $CO_2$ at a reference value of 1 (UNFCCC 2014). The only piece of equipment on the project will occur within a substation that will have $SF_6$ gas would be the 230 kV breakers. It is estimated that the project will have a total of up to three 230 kV breakers, for a total of 576 lbs. of $SF_6$ gas. The proposed project's circuit breakers would have a maximum annual leak rate of 0.5%, based on the manufacturer's guaranteed specifications. The project will be

required to report annual SF6 gas emission, whether normal or accidental, to the California Air Resource Board under Title 17, Sections 95350 through 95359 of the California Code of Regulations.

**Energy Sources**

Energy sources include emissions associated with project electricity usage and on-site power generation. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use were only quantified for GHGs, since criteria pollutant emissions occur at the site of the power plant, which is typically off site.

The estimation of operational GHG emissions for the O&M building was based on CalEEMod default assumptions for the unrefrigerated warehouse land use. CalEEMod default energy intensity factors ($CO_2$, $CH_4$, and $N_2O$ mass emissions per kilowatt-hour) for SCE are based on the value for SCE's energy mix in 2008 (the latest year provided in CalEEMod).

**Mobile Sources**

Mobile sources for the project would primarily be motor vehicles (automobiles and light-duty trucks) traveling to and from the project site. Motor vehicles may be fueled with gasoline, diesel, or alternative fuels. Based on conservative estimates for vehicular travel, the project is anticipated to have up to 8,778 trips per year during operation, accounting for the commutes and performance of regular inspection and maintenance activities by 24 full-time-equivalent staff. Estimated activity data from the Applicant and CalEEMod were used to calculate emissions from this source category.

**Solid Waste**

The project would generate solid waste, and therefore, result in $CO_2E$ emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste. Solid waste would be generated through maintenance activities and the O&M building.

**Water and Wastewater**

Supply, conveyance, treatment, and distribution of water for the project require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the proposed project requires the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment. The project applicant provided water consumption

estimates for both indoor and outdoor water use and associated electricity consumption from water use and wastewater generation and emissions were estimated using CalEEMod.

**Off-road Vehicles**

To conduct maintenance activities on-site, including but not limited to panel replacement and repair, it was assumed that two forklifts and two backhoes would be employed for eight hours a day, 12 days a year. This information in conjunction with CalEEMod default values were utilized to estimate operational off-road vehicle criterial air pollutant and GHG emission in CalEEMod.

**Carbon Sequestration**

Carbon sequestration is the process by which $CO_2$ is removed from the atmosphere and deposited into a carbon reservoir (e.g. vegetation). Trees and vegetation take in $CO_2$ from the atmosphere during photosynthesis, break down the $CO_2$, store the carbon within plant parts, and release the oxygen back into the atmosphere. Operation of the solar facility would lead to a reduction in the rate of natural carbon sequestration because of the removal of desert vegetation and biological soil crust. The rate of carbon uptake for the project site is estimated to be 0.93 metric tons of $CO_2$ per acre per year (Wohlfahrt et al., 2008; Schlesinger, et al., 2009). It was conservatively assumed that all desert vegetation within the disturbed area of the project site would be removed.

# 4.0 EMISSION CALCULATIONS

## 4.1 Construction Emissions

### *4.1.1 Construction Criteria Pollutant Mass Emissions*

As previously described in Section 2.1, Project Construction Assumptions, it is assumed that construction of the project would commence in July 2018 and would last approximately 24 months, ending in July 2020. As mentioned previously this represents a reasonable worst case scenario with individual sections of the facility are built directly after one another. Table 2, presents the estimated maximum daily construction emissions generated during construction of the project. Details of the emission calculations are provided in Attachment A.

**Table 2**
**Estimated Maximum Daily Unmitigated Construction Criteria Air Pollutant Emissions**

| Year | VOC | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| | *pounds per day* | | | | | |
| 2018 | 32.58 | 248.33 | 224.20 | 0.62 | 542.57 | 65.39 |
| 2019 | 32.38 | 252.76 | 229.97 | 0.67 | 476.92 | 58.90 |
| 2020 | 29.04 | 226.82 | 214.94 | 0.66 | 545.69 | 64.81 |
| **Maximum Daily Emissions** | **32.58** | **252.76** | **229.97** | **0.67** | **545.69** | **65.39** |

**Notes:** CO = carbon monoxide; $NO_x$ = oxides of nitrogen; $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; $SO_x$ = sulfur oxides; VOC = volatile organic compound
See Attachment A for complete results.

Maximum daily emissions of CO, and VOC would occur in 2018. Maximum daily emissions of $SO_x$, and $NO_x$ would occur in 2019. Maximum daily emissions of $PM_{10}$ and $PM_{2.5}$ would occur in 2020.

Table 3 presents the estimated mitigated daily emissions generated during construction of the project in 2018, 2019 and 2020.

**Table 3**
**Estimated Maximum Daily Mitigated Construction Criteria Air Pollutant Emissions**

| Year | VOC | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| | *pounds per day* | | | | | |
| 2018 | 22.48 | 183.21 | 234.32 | 0.62 | 163.87 | 24.73 |
| 2019 | 22.47 | 193.51 | 242.98 | 0.67 | 146.72 | 23.48 |
| 2020 | 20.07 | 179.09 | 229.09 | 0.66 | 165.86 | 25.03 |
| **Maximum Daily Emissions** | **22.48** | **193.51** | **242.98** | **0.67** | **165.86** | **25.03** |

**Notes:** CO = carbon monoxide; $NO_x$ = oxides of nitrogen; $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; $SO_x$ = sulfur oxides; VOC = volatile organic compound
These results do include incorporation of Rule 402 and Tier 3 equipment.
See Attachment A for complete results.

As shown in Table 3, maximum daily emissions of VOC, $NO_x$, $PM_{10}$ and $PM_{2.5}$ were reduced compared to the unmitigated emissions in Table 2. The mitigated construction scenario includes use of tier 3 equipment and compliance with Rule 402, specifically limiting off-road vehicle speed to 15 miles per hour and watering twice daily. Table 4 presents the estimated annual unmitigated emissions generated during construction of the project.

**Table 4**
**Estimated Annual Unmitigated Construction Criteria Air Pollutant Emissions**

| Year | VOC | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| | *tons per year* | | | | | |
| 2018 | 2.05 | 16.16 | 14.89 | 0.04 | 32.11 | 4.00 |
| 2019 | 3.78 | 30.51 | 28.30 | 0.08 | 55.77 | 7.06 |
| 2020 | 1.79 | 14.50 | 14.02 | 0.04 | 30.96 | 3.87 |
| **Maximum Annual Emissions** | **3.78** | **30.51** | **28.30** | **0.08** | **55.77** | **7.06** |

**Notes:** CO = carbon monoxide; $NO_x$ = oxides of nitrogen; $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; $SO_x$ = sulfur oxides; VOC= volatile organic compound
See Attachment A for complete results.

As shown in Table 4, the project's estimated emissions would be greatest in 2019 for all criteria air pollutants. Table 5, presents the estimated annual mitigated emissions generated during construction. The same reduction measures previously discussed in the daily mitigated table are included into the annual mitigated table.

**Table 5**
**Estimated Annual Mitigated Construction Criteria Air Pollutant Emissions**

| Year | VOC | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| | *tons per year* | | | | | |
| 2018 | 1.39 | 11.89 | 15.51 | 0.04 | 9.98 | 1.54 |
| 2019 | 2.57 | 23.31 | 29.82 | 0.08 | 17.57 | 2.83 |
| 2020 | 1.21 | 11.43 | 14.93 | 0.04 | 9.88 | 1.53 |
| **Maximum Annual Emissions** | **2.57** | **23.31** | **29.82** | **0.08** | **17.57** | **2.83** |

**Notes:** CO = carbon monoxide; $NO_x$ = oxides of nitrogen; $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; $SO_x$ = sulfur oxides; VOC= volatile organic compound
These results include incorporation of Rule 402 and Tier 3 equipment.
See Attachment A for complete results.

As shown in Table 5, annual construction emissions with reduction measures included would result in reductions to all criteria all pollutants except for CO which would increase due to the use of tier 3 engines for off-road equipment.

### *4.1.2 Construction Ambient Air Quality Assessment*

Maximum daily emissions were used as the basis for determining the project's potential impact on ambient air quality. For the initial assessment (Step 1) of the AAQA, the maximum background concentration for the project site for each pollutant and averaging period combination was added to the corresponding maximum GLC from project-related construction. The sum of these values was then compared to the corresponding ambient air quality standard. If the incremental increase in

concentration from project-related sources did not cause an exceedance of an ambient air quality standard, then the analysis was complete for that source/receptor/pollutant combination. If the incremental increase in concentration from project-related sources caused an exceedance of an ambient air quality standard, then the analysis proceeded to Step 2. Step 2 was similar to a Step 1 with one major difference. For this step, the maximum GLC of each pollutant and averaging period combination were compared to the pollutant's corresponding significance impact level (SIL). The SIL is used to evaluate whether the project's construction emissions would contribute to a violation of an ambient air quality standard, where the background level is close to or exceeds an ambient air quality standard. If the maximum GLC did not exceed the corresponding SIL, then the analysis was complete for that source/receptor/pollutant combination, and no further analysis was required. Table 6 presents a summary of the two-step process taken to determine whether construction activities associated with the project would cause or contribute to ambient air quality impacts, with the detailed AAQA included in Attachment B.

**Table 6**
**Unmitigated Construction Ambient Air Quality Impact Assessment Results[1]**

| STEP 1 – Ambient Air Quality Standard Basis | | | | |
|---|---|---|---|---|
| *Impact Parameter* | *Applicable Standard* | *AAQS* | *Maximum Concentration: Project + Background Levels* | |
| | | *$\mu g/m^3$* | *$\mu g/m^3$* | *Exceed AAQS?* |
| 24-hour $PM_{10}$ | State | 50 | 314 | *Yes (Step 2)* |
| | Federal | 150 | 327 | *Yes (Step 2)* |
| Annual $PM_{10}$ | State | 20 | 31 | *Yes (Step 2)* |
| 24-hour $PM_{2.5}$ | Federal | 35 | 59 | *Yes (Step 2)* |
| Annual $PM_{2.5}$ | State | 12 | 7 | No |
| | Federal | 12 | 8 | No |
| **STEP 2 – EPA Significant Impact Level (SIL) Basis** | | | | |
| *Impact Parameter* | | *Class II SILs* | *Project Construction* | |
| | | *$\mu g/m^3$* | *$\mu g/m^3$* | *Exceed SIL?* |
| 24-hour $PM_{10}$ | | 5 | 143 | *Yes* |
| Annual $PM_{10}$ | | 1 | 7 | *Yes* |
| 24-hour $PM_{2.5}$ | | 5 | 17 | *Yes* |

**Note:** AAQS = Ambient Air Quality Standard; CO = carbon monoxide; $NO_2$ = nitrogen dioxide; $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; EPA = Environmental Protection Agency; SIL = significant impact level
See Attachment B for complete results.

1 Step 1 - the AAQS basis compares the background concentrations plus project contribution to the state and federal AAQS to determine if there would be an exceedance of the respective standard. For $PM_{10}$ and $PM_{2.5}$, background concentrations already exceed the applicable AAQS (except for the annual state and federal $PM_{2.5}$ AAQS), so Step 2—the SIL basis—compares the project contributions to levels determined by the SJVAPCD to cause or contribute to ambient air quality exceedances and impacts.

As demonstrated in Table 6, the project would result in construction activities that could generate ambient concentrations of $PM_{10}$ and $PM_{2.5}$ above the applicable thresholds. Table 7 presents the mitigated construction AAQA.

**Table 7**
**Mitigated Construction Ambient Air Quality Impact Assessment Results[1]**

| STEP 1 – Ambient Air Quality Standard Basis | | | | |
|---|---|---|---|---|
| *Impact Parameter* | *Applicable Standard* | *AAQS* | *Maximum Concentration: Project + Background Levels* | |
| | | *µg/m³* | *µg/m³* | *Exceed AAQS?* |
| 24-hour $PM_{10}$ | State | 50 | 214 | *Yes (Step 2)* |
| | Federal | 150 | 228 | *Yes (Step 2)* |
| Annual $PM_{10}$ | State | 20 | 26 | *Yes (Step 2)* |
| 24-hour $PM_{2.5}$ | Federal | 35 | 49 | *Yes (Step 2)* |
| Annual $PM_{2.5}$ | State | 12 | 6 | No |
| | Federal | 12 | 8 | No |
| **STEP 2 – EPA Significant Impact Level (SIL) Basis** | | | | |
| *Impact Parameter* | | *Class II SILs* | *Project Construction* | |
| | | *µg/m³* | *µg/m³* | *Exceed SIL?* |
| 24-hour $PM_{10}$ | | 5 | 43 | *Yes* |
| Annual $PM_{10}$ | | 1 | 2 | *Yes* |
| 24-hour $PM_{2.5}$ | | 5 | 7 | *Yes* |

**Note:** AAQS = Ambient Air Quality Standard; CO = carbon monoxide; $NO_2$ = nitrogen dioxide; $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; EPA = Environmental Protection Agency; SIL = significant impact level
See Attachment B for complete results. These results include compliance with fugitive dust control requirements of EKAPCD Rule 402 and Tier 3 engines.

1 Step 1 - the AAQS basis compares the background concentrations plus project contribution to the state and federal AAQS to determine if there would be an exceedance of the respective standard. For $PM_{10}$ and $PM_{2.5}$, background concentrations already exceed the applicable AAQS (except for the annual state and federal $PM_{2.5}$ AAQS), so Step 2—the SIL basis—compares the project contributions to levels determined by the SJVAPCD to cause or contribute to ambient air quality exceedances and impacts.

As demonstrated in Table 7, mitigation measures would reduce $PM_{10}$ and $PM_{2.5}$ concentrations associated with project construction, but the project would still result in construction activities that would generate ambient concentrations of $PM_{10}$ and $PM_{2.5}$ above the applicable thresholds.

### *4.1.3 Construction GHG Emissions*

Table 8 presents annual construction GHG emissions for the project in 2018, 2019 and 2020 from on-site and off-site emission sources.

**Table 8**
**Estimated Annual Construction Greenhouse Gas Emissions**

| Year | $CO_2$ | $CH_4$ | $N_2O$ | $CO_2E$ |
|---|---|---|---|---|
| | *Metric Tons per Year* | | | |
| 2018 | 3,781.76 | 0.34 | 0.00 | 3,790.26 |
| 2019 | 7,591.43 | 0.68 | 0.00 | 7,608.45 |
| 2020 | 3,936.73 | 0.36 | 0.00 | 3,945.72 |
| **Total** | **15,309.83** | **1.38** | **0.00** | **15,344.43** |

**Notes:** $CH_4$ = methane; $CO_2$ = carbon dioxide; $CO_2E$ = carbon dioxide equivalent; $N_2O$ = nitrous oxide
See Attachment A for complete results.

As shown in Table 8, the estimate total GHG emissions during construction would be approximately 3,790 MT $CO_2E$ in 2019, 7,608 MT $CO_2E$ in 2019 and 3,945 MT $CO_2E$ in 2020, for a total of 15,344 MT $CO_2E$ over the two year construction period. The project would produce GHG emissions from construction. However, since the project is a renewable energy facility, the operation of the proposed facility would potentially offset GHG emissions that would have otherwise been generated by fossil-fuel power plants.

## 4.2 Operational Emissions

### *4.2.1 Operational Criteria Pollutant Emissions*

Operation of the project would generate VOC, $NO_x$, CO, $SO_x$, $PM_{10}$, and $PM_{2.5}$ emissions from mobile sources, including vehicle trips from employee commutes and maintenance vehicles. Table 9 presents the maximum daily source emissions associated with operation (year 2020) of the project. Details of the emissions calculations are provided in Attachment A

**Table 9**
**Estimated Maximum Daily Operational Criteria Air Pollutant Emissions**

| Year | VOC | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| | *Pounds per Day* | | | | | |
| Area | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mobile | 0.11 | 1.48 | 1.21 | 0.01 | 0.32 | 0.09 |
| Off-road | 0.71 | 6.81 | 6.92 | 0.01 | 0.46 | 0.42 |
| **Total Daily Emissions** | **1.93** | **8.28** | **8.05** | **0.02** | **0.78** | **0.51** |

**Notes:** $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; $SO_x$ = sulfur oxides; VOC = violate organic compounds
See Attachment A for complete results.

As shown Table 9, off-road equipment used during maintenance and testing when operated would be the primary source of daily criteria air pollutant emissions. Table 10 presents the maximum

annual source emissions associated with operation (year 2020) of the project. Details of the emissions calculations are provided in Attachment A.

**Table 10**
**Estimated Maximum Annual Operational Criteria Air Pollutant Emissions**

| Year | VOC | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| | *Tons per Year* | | | | | |
| Area | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mobile | 0.02 | 0.27 | 0.20 | 0.00 | 0.06 | 0.02 |
| Off-road | 0.00 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 |
| **Total Annual Emissions** | **0.23** | **0.31** | **0.24** | **0.00** | **0.06** | **0.02** |

**Notes:** $PM_{10}$ = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; $SO_x$ = sulfur oxides; VOC = violate organic compounds
See Attachment A for complete results.

As shown in Table 10, mobile sources including employee commutes and maintenance vehicles would the primary source of criteria air pollutants over the course of one full year of operation.

### *4.2.2 Operational GHG Emissions*

Operation of the project would generate GHG emissions through motor vehicle trips to and from the project site; energy use (natural gas or electricity consumed by the project); solid waste disposal; and generation of electricity associated with water supply, treatment, and distribution and wastewater treatment. The estimated operational (year 2020) project-generated GHG emissions from area sources, energy usage, motor vehicles, solid waste generation, and water usage and wastewater generation are shown in Table 11.

**Table 11**
**Estimated Annual Operational Greenhouse Gas Emissions**

| Emission Source | $CO_2$ | $CH_4$ | $N_2O$ | $CO_2E$ |
|---|---|---|---|---|
| | *Metric Tons per Year* | | | |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 |
| Area | 42.44 | 0.01 | 0.00 | 74.71[1] |
| Mobile | 99.35 | 0.01 | 0.00 | 99.53 |
| Off-road | 4.89 | 0.01 | 0.00 | 4.93 |
| Waste | 7.63 | 0.45 | 0.00 | 18.91 |
| Water | 52.88 | 0.37 | 0.01 | 62.70 |
| Lost Carbon Sequestration | 3,720[2] | 00.00 | 00.00 | 3,720 |
| **Total** | **3,919.56** | **0.83** | **0.01** | **3,948.65** |

**Notes:** $CH_4$ = methane; $CO_2$ = carbon dioxide; $CO_2E$ = carbon dioxide equivalent; $N_2O$ = nitrous oxide
[1] Includes emissions from $SF_6$ (576 pounds of $SF_6$ assuming a 5% leak rate = 31.22 MT $CO_2E$ per year.)
[2] 0.93(Carbon Uptake factor)*4,000 acres = 3720 MT $CO_2$
See Attachment A for complete results.

As shown in Table 9, estimated annual project-generated GHG emissions would be approximately 3,949 MT $CO_2E$ per year as a result of project operation. As mentioned previously, the project would produce GHG emissions from construction and operation.

However, the project is expected to produce 1,847,040 MWh per year. The latest published GHG emission factor for Southern California Edison is 0.256 MT $CO_2e$/MWh (Southern California Edison 2017). Southern California Edison reported that 28 percent of its power mix was renewable in 2016. (CEC 2017) Therefore, the non-renewable GHG emission factor would be 0.356 MT $CO_2e$/MWh. Thus, the Project would provide a potential reduction of 656,725 MT $CO_2e$ per year if the renewable electricity generated by the project were to be used instead of electricity generated by fossil-fuel sources. Annualized construction and operational emissions are calculated to be 3,949 MT $CO_2e$ per year. Thus, the net reduction in GHG emissions would be 652,776 MT $CO_2e$ per year and 19,583,280 MT $CO_2e$ over a 30 year project lifetime. This reduction is not to be considered in the significance determination of the project's GHG emissions but is provided for disclosure purposes.

## 5 REFERENCES

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United Nations Framework Convention on Climate Change (UNFCCC) 2014. Global Warming Potentials. http://unfccc.int/ghg_data/items/3825.php.

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# ATTACHMENT A

*CalEEMod Outputs*

# Edwards Airforce Base

**Kern-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 40.00 | 1000sqft | 4,000.00 | 40,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 7 | | | **Operational Year** | 2020 |
| **Utility Company** | Southern California Edison | | | | |
| **CO2 Intensity (lb/MWhr)** | 702.44 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction State Date July 2018. Operational year 2020.

Land Use - Maximum of 40,000 square foot operational warehouse, operational and maintenance building. Lot area = 4,000 acres.

Construction Phase - Construction phasing based on applicant provided information.

Off-road Equipment - Construction phasing based on applicant provided information.

Off-road Equipment - Construction phasing based on applicant provided information.

Off-road Equipment - Construction phasing based on applicant provided information.

Trips and VMT - VMT and trip length information based on applicant provided information.

On-road Fugitive Dust - Vehicle and vendor trips would travel 0.27 miles on unpaved roads each trip. Haul trucks would travel 2.5 miles on unpaved roads each trip.

Grading - CalEEMod Default values.

Vehicle Trips - 1.2 = (48 trips ((24 workers)/40 (1,000 square feet) (0.03 added to account for 12 yearly maintenance trucks)

Road Dust - Employee and maintenance vehicles would travel 0.27 miles on unpaved roads.

Energy Use - CalEEMod default values.

Water And Wastewater - 40 acre-feet per year for panel washing. 5 acre-feet for service and warehouse building. Wastewater would be handled a septic system.

Construction Off-road Equipment Mitigation - Tie 3 off-road equipment and compliance with Rule 402 were assumed. To account for watering of the 0.27 miles of unpaved roads associated with onsite vehicle travel a 55% reduction in PM10 and PM2.5 emissions was assumed under the soil stabilizer mitigation. This is to account for compliance with Rule 402.

Operational Off-Road Equipment - Operational off-road equipment based on applicant provided information.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 40 | 15 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 10.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 25.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 82.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 11.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 36.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 20.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |

| | | | |
|---|---|---|---|
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 15,500.00 | 520.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 200.00 |
| tblLandUse | LotAcreage | 0.92 | 4,000.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 9.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 35.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 25.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 3.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 3.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 30.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 20.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 28.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 10.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 20.00 |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | UsageHours | 8.00 | 1.10 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 1.60 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.70 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 98.00 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.03 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.03 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 96.30 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 99.90 |
| tblOperationalOffRoadEquipment | OperDaysPerYear | 260.00 | 12.00 |
| tblOperationalOffRoadEquipment | OperDaysPerYear | 260.00 | 12.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 2.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 2.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 114.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 5,200.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 843.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 60.00 |
| tblTripsAndVMT | VendorVehicleClass | HDT_Mix | MHDT |
| tblTripsAndVMT | WorkerTripLength | 10.80 | 30.00 |

| | | | |
|---|---|---|---|
| tblTripsAndVMT | WorkerTripLength | 10.80 | 30.00 |
| tblTripsAndVMT | WorkerTripNumber | 483.00 | 1,100.00 |
| tblTripsAndVMT | WorkerTripNumber | 20.00 | 116.00 |
| tblVehicleTrips | ST_TR | 1.68 | 1.23 |
| tblVehicleTrips | SU_TR | 1.68 | 1.23 |
| tblVehicleTrips | WD_TR | 1.68 | 1.23 |
| tblWater | AerobicPercent | 87.46 | 0.00 |
| tblWater | AnaDigestCombDigestGasPercent | 100.00 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | IndoorWaterUseRate | 9,250,000.00 | 1,629,000.00 |
| tblWater | OutdoorWaterUseRate | 0.00 | 13,030,000.00 |
| tblWater | SepticTankPercent | 10.33 | 100.00 |

## 2.0 Emissions Summary

### 2.1 Overall Construction

**Unmitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2018 | 2.0453 | 16.1571 | 14.8924 | 0.0412 | 31.4645 | 0.6430 | 32.1075 | 3.4001 | 0.6010 | 4.0011 | 0.0000 | 3,781.7642 | 3,781.7642 | 0.3399 | 0.0000 | 3,790.2616 |
| 2019 | 3.7790 | 30.5070 | 28.3004 | 0.0830 | 54.5867 | 1.1814 | 55.7681 | 5.9600 | 1.1030 | 7.0631 | 0.0000 | 7,591.4370 | 7,591.4370 | 0.6807 | 0.0000 | 7,608.4550 |
| 2020 | 1.7866 | 14.5015 | 14.0197 | 0.0432 | 30.9622 | 0.5440 | 31.5062 | 3.3675 | 0.5067 | 3.8742 | 0.0000 | 3,936.7316 | 3,936.7316 | 0.3596 | 0.0000 | 3,945.7215 |
| **Maximum** | **3.7790** | **30.5070** | **28.3004** | **0.0830** | **54.5867** | **1.1814** | **55.7681** | **5.9600** | **1.1030** | **7.0631** | **0.0000** | **7,591.4370** | **7,591.4370** | **0.6807** | **0.0000** | **7,608.4550** |

**Mitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2018 | 1.3837 | 11.8918 | 15.5551 | 0.0412 | 9.5803 | 0.3954 | 9.9757 | 1.1530 | 0.3899 | 1.5429 | 0.0000 | 3,781.7630 | 3,781.7630 | 0.3399 | 0.0000 | 3,790.2604 |
| 2019 | 2.5691 | 23.3052 | 29.8209 | 0.0830 | 16.7938 | 0.7738 | 17.5676 | 2.0673 | 0.7642 | 2.8314 | 0.0000 | 7,591.4346 | 7,591.4346 | 0.6807 | 0.0000 | 7,608.4527 |
| 2020 | 1.2100 | 11.4344 | 14.9308 | 0.0432 | 9.5026 | 0.3738 | 9.8764 | 1.1584 | 0.3703 | 1.5287 | 0.0000 | 3,936.7304 | 3,936.7304 | 0.3596 | 0.0000 | 3,945.7203 |
| **Maximum** | **2.5691** | **23.3052** | **29.8209** | **0.0830** | **16.7938** | **0.7738** | **17.5676** | **2.0673** | **0.7642** | **2.8314** | **0.0000** | **7,591.4346** | **7,591.4346** | **0.6807** | **0.0000** | **7,608.4527** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **32.16** | **23.76** | **-5.41** | **0.00** | **69.34** | **34.85** | **68.66** | **65.60** | **31.04** | **60.48** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| **1** | **7-2-2018** | **10-1-2018** | 9.0273 | 6.5558 |
| **2** | **10-2-2018** | **1-1-2019** | 9.2218 | 6.7548 |
| **3** | **1-2-2019** | **4-1-2019** | 8.3163 | 6.2959 |
| **4** | **4-2-2019** | **7-1-2019** | 8.2298 | 6.1870 |
| **5** | **7-2-2019** | **10-1-2019** | 8.3317 | 6.2642 |
| **6** | **10-2-2019** | **1-1-2020** | 9.3584 | 7.0895 |
| **7** | **1-2-2020** | **4-1-2020** | 8.3139 | 6.4711 |
| **8** | **4-2-2020** | **7-1-2020** | 7.7522 | 6.0019 |
| **9** | **7-2-2020** | **9-30-2020** | 0.0424 | 0.0336 |
| | | **Highest** | 9.3584 | 7.0895 |

## 2.2 Overall Operational

**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.2026 | 0.0000 | 3.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 7.1000e-004 | 7.1000e-004 | 0.0000 | 0.0000 | 7.6000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 42.4404 | 42.4404 | 1.7500e-003 | 3.6000e-004 | 42.5922 |
| Mobile | 0.0207 | 0.2690 | 0.2017 | 1.0700e-003 | 0.0555 | 1.1400e-003 | 0.0567 | 0.0149 | 1.0800e-003 | 0.0160 | 0.0000 | 99.3513 | 99.3513 | 7.2200e-003 | 0.0000 | 99.5317 |
| Offroad | 4.2400e-003 | 0.0408 | 0.0415 | 6.0000e-005 | | 2.7600e-003 | 2.7600e-003 | | 2.5400e-003 | 2.5400e-003 | 0.0000 | 4.8857 | 4.8857 | 1.5800e-003 | 0.0000 | 4.9252 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 7.6325 | 0.0000 | 7.6325 | 0.4511 | 0.0000 | 18.9091 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 52.8830 | 52.8830 | 0.3722 | 1.7100e-003 | 62.6954 |
| **Total** | **0.2275** | **0.3098** | **0.2436** | **1.1300e-003** | **0.0555** | **3.9000e-003** | **0.0594** | **0.0149** | **3.6200e-003** | **0.0186** | **7.6325** | **199.5612** | **207.1936** | **0.8338** | **2.0700e-003** | **228.6544** |

## Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.2026 | 0.0000 | 3.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 7.1000e-004 | 7.1000e-004 | 0.0000 | 0.0000 | 7.6000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 42.4404 | 42.4404 | 1.7500e-003 | 3.6000e-004 | 42.5922 |
| Mobile | 0.0207 | 0.2690 | 0.2017 | 1.0700e-003 | 0.0555 | 1.1400e-003 | 0.0567 | 0.0149 | 1.0800e-003 | 0.0160 | 0.0000 | 99.3513 | 99.3513 | 7.2200e-003 | 0.0000 | 99.5317 |
| Offroad | 4.2400e-003 | 0.0408 | 0.0415 | 6.0000e-005 | | 2.7600e-003 | 2.7600e-003 | | 2.5400e-003 | 2.5400e-003 | 0.0000 | 4.8857 | 4.8857 | 1.5800e-003 | 0.0000 | 4.9252 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 7.6325 | 0.0000 | 7.6325 | 0.4511 | 0.0000 | 18.9091 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 52.8830 | 52.8830 | 0.3722 | 1.7100e-003 | 62.6954 |
| **Total** | **0.2275** | **0.3098** | **0.2436** | **1.1300e-003** | **0.0555** | **3.9000e-003** | **0.0594** | **0.0149** | **3.6200e-003** | **0.0186** | **7.6325** | **199.5612** | **207.1936** | **0.8338** | **2.0700e-003** | **228.6544** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Solar Facility Construction | Grading | 7/2/2018 | 6/26/2020 | 5 | 520 | |
| 2 | Gen-Tie Constrution | Grading | 10/1/2019 | 7/6/2020 | 5 | 200 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Solar Facility Construction | Excavators | 9 | 1.10 | 158 | 0.38 |
| Solar Facility Construction | Forklifts | 25 | 0.50 | 89 | 0.20 |
| Solar Facility Construction | Generator Sets | 4 | 8.00 | 84 | 0.74 |
| Solar Facility Construction | Graders | 0 | 0.00 | 187 | 0.41 |
| Solar Facility Construction | Off-Highway Tractors | 3 | 0.30 | 124 | 0.44 |
| Solar Facility Construction | Off-Highway Tractors | 3 | 0.50 | 124 | 0.44 |
| Solar Facility Construction | Other Construction Equipment | 30 | 2.00 | 172 | 0.42 |
| Solar Facility Construction | Other Construction Equipment | 20 | 1.10 | 172 | 0.42 |
| Solar Facility Construction | Other Construction Equipment | 28 | 0.80 | 172 | 0.42 |
| Solar Facility Construction | Other Material Handling Equipment | 10 | 1.50 | 168 | 0.40 |
| Solar Facility Construction | Rubber Tired Loaders | 2 | 1.40 | 203 | 0.36 |
| Solar Facility Construction | Scrapers | 4 | 1.60 | 367 | 0.48 |

| | | | | | |
|---|---|---|---|---|---|
| Solar Facility Construction | Tractors/Loaders/Backhoes | 35 | 0.70 | 97 | 0.37 |
| Solar Facility Construction | Trenchers | 20 | 1.20 | 78 | 0.50 |
| Gen-Tie Constrution | Cranes | 1 | 1.60 | 231 | 0.29 |
| Gen-Tie Constrution | Excavators | 1 | 6.00 | 158 | 0.38 |
| Gen-Tie Constrution | Graders | 0 | 0.00 | 187 | 0.41 |
| Gen-Tie Constrution | Other Construction Equipment | 2 | 2.00 | 172 | 0.42 |
| Gen-Tie Constrution | Other Construction Equipment | 2 | 4.00 | 172 | 0.42 |
| Gen-Tie Constrution | Other Material Handling Equipment | 1 | 4.00 | 168 | 0.40 |
| Gen-Tie Constrution | Rubber Tired Dozers | 0 | 0.00 | 247 | 0.40 |
| Gen-Tie Constrution | Scrapers | 0 | 0.00 | 367 | 0.48 |
| Gen-Tie Constrution | Tractors/Loaders/Backhoes | 1 | 4.00 | 97 | 0.37 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Solar Facility Construction | 193 | 1,100.00 | 843.00 | 5,200.00 | 30.00 | 7.30 | 114.00 | LD_Mix | MHDT | HHDT |
| Gen-Tie Constrution | 8 | 116.00 | 60.00 | 0.00 | 30.00 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Solar Facility Construction - 2018

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | | | | | 0.2206 | 0.0000 | 0.2206 | 0.0238 | 0.0000 | 0.0238 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.9151 | 9.4122 | 6.9446 | 0.0106 | | 0.5262 | 0.5262 | | 0.4896 | 0.4896 | 0.0000 | 958.9166 | 958.9166 | 0.2631 | 0.0000 | 965.4943 |
| **Total** | **0.9151** | **9.4122** | **6.9446** | **0.0106** | **0.2206** | **0.5262** | **0.7468** | **0.0238** | **0.4896** | **0.5134** | **0.0000** | **958.9166** | **958.9166** | **0.2631** | **0.0000** | **965.4943** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0253 | 0.8121 | 0.1234 | 2.6300e-003 | 7.9753 | 4.1800e-003 | 7.9795 | 0.8155 | 4.0000e-003 | 0.8195 | 0.0000 | 249.9190 | 249.9190 | 4.5400e-003 | 0.0000 | 250.0324 |
| Vendor | 0.3313 | 5.3077 | 1.9993 | 0.0109 | 20.1525 | 0.1015 | 20.2541 | 2.0718 | 0.0971 | 2.1689 | 0.0000 | 1,024.6038 | 1,024.6038 | 0.0261 | 0.0000 | 1,025.2574 |
| Worker | 0.7736 | 0.6252 | 5.8252 | 0.0171 | 3.1161 | 0.0111 | 3.1272 | 0.4890 | 0.0102 | 0.4993 | 0.0000 | 1,548.3247 | 1,548.3247 | 0.0461 | 0.0000 | 1,549.4774 |
| **Total** | **1.1301** | **6.7450** | **7.9478** | **0.0306** | **31.2439** | **0.1168** | **31.3607** | **3.3763** | **0.1113** | **3.4876** | **0.0000** | **2,822.8475** | **2,822.8475** | **0.0768** | **0.0000** | **2,824.7673** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0993 | 0.0000 | 0.0993 | 0.0107 | 0.0000 | 0.0107 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2536 | 5.1469 | 7.6073 | 0.0106 | | 0.2786 | 0.2786 | | 0.2786 | 0.2786 | 0.0000 | 958.9155 | 958.9155 | 0.2631 | 0.0000 | 965.4931 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.2536** | **5.1469** | **7.6073** | **0.0106** | **0.0993** | **0.2786** | **0.3778** | **0.0107** | **0.2786** | **0.2893** | **0.0000** | **958.9155** | **958.9155** | **0.2631** | **0.0000** | **965.4931** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0253 | 0.8121 | 0.1234 | 2.6300e-003 | 2.2717 | 4.1800e-003 | 2.2759 | 0.2398 | 4.0000e-003 | 0.2437 | 0.0000 | 249.9190 | 249.9190 | 4.5400e-003 | 0.0000 | 250.0324 |
| Vendor | 0.3313 | 5.3077 | 1.9993 | 0.0109 | 5.7291 | 0.1015 | 5.8306 | 0.6234 | 0.0971 | 0.7205 | 0.0000 | 1,024.6038 | 1,024.6038 | 0.0261 | 0.0000 | 1,025.2574 |
| Worker | 0.7736 | 0.6252 | 5.8252 | 0.0171 | 1.4803 | 0.0111 | 1.4914 | 0.2791 | 0.0102 | 0.2894 | 0.0000 | 1,548.3247 | 1,548.3247 | 0.0461 | 0.0000 | 1,549.4774 |
| **Total** | **1.1301** | **6.7450** | **7.9478** | **0.0306** | **9.4811** | **0.1168** | **9.5978** | **1.1423** | **0.1113** | **1.2536** | **0.0000** | **2,822.8475** | **2,822.8475** | **0.0768** | **0.0000** | **2,824.7673** |

## 3.2 Solar Facility Construction - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.2206 | 0.0000 | 0.2206 | 0.0238 | 0.0000 | 0.0238 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.6853 | 17.2771 | 13.6961 | 0.0211 | | 0.9527 | 0.9527 | | 0.8859 | 0.8859 | 0.0000 | 1,884.9264 | 1,884.9264 | 0.5217 | 0.0000 | 1,897.9692 |
| **Total** | **1.6853** | **17.2771** | **13.6961** | **0.0211** | **0.2206** | **0.9527** | **1.1732** | **0.0238** | **0.8859** | **0.9097** | **0.0000** | **1,884.9264** | **1,884.9264** | **0.5217** | **0.0000** | **1,897.9692** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0482 | 1.5143 | 0.2408 | 5.1700e-003 | 7.9912 | 7.5700e-003 | 7.9988 | 0.8212 | 7.2500e-003 | 0.8285 | 0.0000 | 492.3307 | 492.3307 | 8.6500e-003 | 0.0000 | 492.5469 |
| Vendor | 0.5726 | 9.8602 | 3.4663 | 0.0215 | 40.1513 | 0.1721 | 40.3233 | 4.1278 | 0.1646 | 4.2924 | 0.0000 | 2,034.4569 | 2,034.4569 | 0.0456 | 0.0000 | 2,035.5963 |
| Worker | 1.3813 | 1.0828 | 10.1710 | 0.0331 | 6.2084 | 0.0216 | 6.2301 | 0.9743 | 0.0199 | 0.9943 | 0.0000 | 2,989.4677 | 2,989.4677 | 0.0804 | 0.0000 | 2,991.4772 |
| **Total** | **2.0021** | **12.4573** | **13.8781** | **0.0598** | **54.3509** | **0.2013** | **54.5521** | **5.9233** | **0.1918** | **6.1151** | **0.0000** | **5,516.2553** | **5,516.2553** | **0.1346** | **0.0000** | **5,519.6204** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0993 | 0.0000 | 0.0993 | 0.0107 | 0.0000 | 0.0107 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.5052 | 10.2545 | 15.1565 | 0.0211 | | 0.5550 | 0.5550 | | 0.5550 | 0.5550 | 0.0000 | 1,884.9241 | 1,884.9241 | 0.5217 | 0.0000 | 1,897.9670 |
| **Total** | **0.5052** | **10.2545** | **15.1565** | **0.0211** | **0.0993** | **0.5550** | **0.6543** | **0.0107** | **0.5550** | **0.5658** | **0.0000** | **1,884.9241** | **1,884.9241** | **0.5217** | **0.0000** | **1,897.9670** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.0482 | 1.5143 | 0.2408 | 5.1700e-003 | 2.2876 | 7.5700e-003 | 2.2952 | 0.2455 | 7.2500e-003 | 0.2528 | 0.0000 | 492.3307 | 492.3307 | 8.6500e-003 | 0.0000 | 492.5469 |
| Vendor | 0.5726 | 9.8602 | 3.4663 | 0.0215 | 11.4144 | 0.1721 | 11.5865 | 1.2420 | 0.1646 | 1.4067 | 0.0000 | 2,034.4569 | 2,034.4569 | 0.0456 | 0.0000 | 2,035.5963 |
| Worker | 1.3813 | 1.0828 | 10.1710 | 0.0331 | 2.9493 | 0.0216 | 2.9710 | 0.5561 | 0.0199 | 0.5760 | 0.0000 | 2,989.4677 | 2,989.4677 | 0.0804 | 0.0000 | 2,991.4772 |
| **Total** | **2.0021** | **12.4573** | **13.8781** | **0.0598** | **16.6513** | **0.2013** | **16.8526** | **2.0437** | **0.1918** | **2.2355** | **0.0000** | **5,516.2553** | **5,516.2553** | **0.1346** | **0.0000** | **5,519.6204** |

## 3.2 Solar Facility Construction - 2020

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.2206 | 0.0000 | 0.2206 | 0.0238 | 0.0000 | 0.0238 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.7703 | 7.8191 | 6.6501 | 0.0104 | | 0.4268 | 0.4268 | | 0.3967 | 0.3967 | 0.0000 | 907.4519 | 907.4519 | 0.2548 | 0.0000 | 913.8228 |
| **Total** | **0.7703** | **7.8191** | **6.6501** | **0.0104** | **0.2206** | **0.4268** | **0.6474** | **0.0238** | **0.3967** | **0.4205** | **0.0000** | **907.4519** | **907.4519** | **0.2548** | **0.0000** | **913.8228** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0220 | 0.6842 | 0.1132 | 2.5100e-003 | 7.9749 | 3.1200e-003 | 7.9780 | 0.8153 | 2.9800e-003 | 0.8183 | 0.0000 | 238.5004 | 238.5004 | 3.9800e-003 | 0.0000 | 238.5999 |
| Vendor | 0.2075 | 4.1030 | 1.4105 | 0.0105 | 19.6910 | 0.0540 | 19.7451 | 2.0244 | 0.0517 | 2.0760 | 0.0000 | 993.8522 | 993.8522 | 0.0181 | 0.0000 | 994.3044 |
| Worker | 0.6173 | 0.4670 | 4.4503 | 0.0157 | 3.0447 | 0.0104 | 3.0551 | 0.4778 | 9.5300e-003 | 0.4874 | 0.0000 | 1,419.2612 | 1,419.2612 | 0.0344 | 0.0000 | 1,420.1204 |
| **Total** | **0.8468** | **5.2541** | **5.9740** | **0.0287** | **30.7107** | **0.0675** | **30.7782** | **3.3175** | **0.0642** | **3.3817** | **0.0000** | **2,651.6137** | **2,651.6137** | **0.0564** | **0.0000** | **2,653.0247** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0993 | 0.0000 | 0.0993 | 0.0107 | 0.0000 | 0.0107 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2478 | 5.0290 | 7.4331 | 0.0104 | | 0.2722 | 0.2722 | | 0.2722 | 0.2722 | 0.0000 | 907.4508 | 907.4508 | 0.2548 | 0.0000 | 913.8218 |
| **Total** | **0.2478** | **5.0290** | **7.4331** | **0.0104** | **0.0993** | **0.2722** | **0.3715** | **0.0107** | **0.2722** | **0.2829** | **0.0000** | **907.4508** | **907.4508** | **0.2548** | **0.0000** | **913.8218** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0220 | 0.6842 | 0.1132 | 2.5100e-003 | 2.2713 | 3.1200e-003 | 2.2744 | 0.2396 | 2.9800e-003 | 0.2426 | 0.0000 | 238.5004 | 238.5004 | 3.9800e-003 | 0.0000 | 238.5999 |
| Vendor | 0.2075 | 4.1030 | 1.4105 | 0.0105 | 5.5979 | 0.0540 | 5.6519 | 0.6091 | 0.0517 | 0.6608 | 0.0000 | 993.8522 | 993.8522 | 0.0181 | 0.0000 | 994.3044 |
| Worker | 0.6173 | 0.4670 | 4.4503 | 0.0157 | 1.4464 | 0.0104 | 1.4568 | 0.2727 | 9.5300e-003 | 0.2823 | 0.0000 | 1,419.2612 | 1,419.2612 | 0.0344 | 0.0000 | 1,420.1204 |
| **Total** | **0.8468** | **5.2541** | **5.9740** | **0.0287** | **9.3156** | **0.0675** | **9.3831** | **1.1215** | **0.0642** | **1.1857** | **0.0000** | **2,651.6137** | **2,651.6137** | **0.0564** | **0.0000** | **2,653.0247** |

## 3.3 Gen-Tie Constrution - 2019

## Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0451 | 0.4784 | 0.4015 | 6.2000e-004 | | 0.0249 | 0.0249 | | 0.0229 | 0.0229 | 0.0000 | 55.5521 | 55.5521 | 0.0176 | 0.0000 | 55.9915 |
| **Total** | **0.0451** | **0.4784** | **0.4015** | **6.2000e-004** | **0.0000** | **0.0249** | **0.0249** | **0.0000** | **0.0229** | **0.0229** | **0.0000** | **55.5521** | **55.5521** | **0.0176** | **0.0000** | **55.9915** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 9.7100e-003 | 0.2653 | 0.0535 | 5.8000e-004 | 3.8700e-003 | 1.9900e-003 | 5.8600e-003 | 2.2900e-003 | 1.9100e-003 | 4.1900e-003 | 0.0000 | 54.9841 | 54.9841 | 4.6800e-003 | 0.0000 | 55.1012 |
| Worker | 0.0368 | 0.0289 | 0.2712 | 8.8000e-004 | 0.0114 | 5.8000e-004 | 0.0119 | 0.0106 | 5.3000e-004 | 0.0111 | 0.0000 | 79.7191 | 79.7191 | 2.1400e-003 | 0.0000 | 79.7727 |
| **Total** | **0.0465** | **0.2942** | **0.3247** | **1.4600e-003** | **0.0152** | **2.5700e-003** | **0.0178** | **0.0129** | **2.4400e-003** | **0.0153** | **0.0000** | **134.7032** | **134.7032** | **6.8200e-003** | **0.0000** | **134.8739** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.0153 | 0.2992 | 0.4616 | 6.2000e-004 | | 0.0149 | 0.0149 | | 0.0149 | 0.0149 | 0.0000 | 55.5520 | 55.5520 | 0.0176 | 0.0000 | 55.9914 |
| **Total** | **0.0153** | **0.2992** | **0.4616** | **6.2000e-004** | **0.0000** | **0.0149** | **0.0149** | **0.0000** | **0.0149** | **0.0149** | **0.0000** | **55.5520** | **55.5520** | **0.0176** | **0.0000** | **55.9914** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 9.7100e-003 | 0.2653 | 0.0535 | 5.8000e-004 | 6.9900e-003 | 1.9900e-003 | 8.9900e-003 | 2.2900e-003 | 1.9100e-003 | 4.1900e-003 | 0.0000 | 54.9841 | 54.9841 | 4.6800e-003 | 0.0000 | 55.1012 |
| Worker | 0.0368 | 0.0289 | 0.2712 | 8.8000e-004 | 0.0362 | 5.8000e-004 | 0.0368 | 0.0106 | 5.3000e-004 | 0.0111 | 0.0000 | 79.7191 | 79.7191 | 2.1400e-003 | 0.0000 | 79.7727 |
| **Total** | **0.0465** | **0.2942** | **0.3247** | **1.4600e-003** | **0.0432** | **2.5700e-003** | **0.0458** | **0.0129** | **2.4400e-003** | **0.0153** | **0.0000** | **134.7032** | **134.7032** | **6.8200e-003** | **0.0000** | **134.8739** |

## 3.3 Gen-Tie Constrution - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0851 | 0.8845 | 0.8091 | 1.2600e-003 | | 0.0458 | 0.0458 | | 0.0421 | 0.0421 | 0.0000 | 110.3350 | 110.3350 | 0.0357 | 0.0000 | 111.2271 |
| **Total** | **0.0851** | **0.8845** | **0.8091** | **1.2600e-003** | **0.0000** | **0.0458** | **0.0458** | **0.0000** | **0.0421** | **0.0421** | **0.0000** | **110.3350** | **110.3350** | **0.0357** | **0.0000** | **111.2271** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0163 | 0.4923 | 0.0952 | 1.1700e-003 | 7.8600e-003 | 2.7600e-003 | 0.0106 | 4.6400e-003 | 2.6400e-003 | 7.2800e-003 | 0.0000 | 110.6478 | 110.6478 | 8.8400e-003 | 0.0000 | 110.8688 |
| Worker | 0.0682 | 0.0516 | 0.4913 | 1.7300e-003 | 0.0231 | 1.1400e-003 | 0.0242 | 0.0215 | 1.0500e-003 | 0.0226 | 0.0000 | 156.6832 | 156.6832 | 3.7900e-003 | 0.0000 | 156.7781 |
| **Total** | **0.0844** | **0.5438** | **0.5865** | **2.9000e-003** | **0.0309** | **3.9000e-003** | **0.0348** | **0.0262** | **3.6900e-003** | **0.0299** | **0.0000** | **267.3311** | **267.3311** | **0.0126** | **0.0000** | **267.6469** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0310 | 0.6075 | 0.9372 | 1.2600e-003 | | 0.0302 | 0.0302 | | 0.0302 | 0.0302 | 0.0000 | 110.3348 | 110.3348 | 0.0357 | 0.0000 | 111.2269 |
| **Total** | **0.0310** | **0.6075** | **0.9372** | **1.2600e-003** | **0.0000** | **0.0302** | **0.0302** | **0.0000** | **0.0302** | **0.0302** | **0.0000** | **110.3348** | **110.3348** | **0.0357** | **0.0000** | **111.2269** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0163 | 0.4923 | 0.0952 | 1.1700e-003 | 0.0142 | 2.7600e-003 | 0.0170 | 4.6400e-003 | 2.6400e-003 | 7.2800e-003 | 0.0000 | 110.6478 | 110.6478 | 8.8400e-003 | 0.0000 | 110.8688 |
| Worker | 0.0682 | 0.0516 | 0.4913 | 1.7300e-003 | 0.0735 | 1.1400e-003 | 0.0746 | 0.0215 | 1.0500e-003 | 0.0226 | 0.0000 | 156.6832 | 156.6832 | 3.7900e-003 | 0.0000 | 156.7781 |
| **Total** | **0.0844** | **0.5438** | **0.5865** | **2.9000e-003** | **0.0877** | **3.9000e-003** | **0.0916** | **0.0262** | **3.6900e-003** | **0.0299** | **0.0000** | **267.3311** | **267.3311** | **0.0126** | **0.0000** | **267.6469** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.0207 | 0.2690 | 0.2017 | 1.0700e-003 | 0.0555 | 1.1400e-003 | 0.0567 | 0.0149 | 1.0800e-003 | 0.0160 | 0.0000 | 99.3513 | 99.3513 | 7.2200e-003 | 0.0000 | 99.5317 |
| Unmitigated | 0.0207 | 0.2690 | 0.2017 | 1.0700e-003 | 0.0555 | 1.1400e-003 | 0.0567 | 0.0149 | 1.0800e-003 | 0.0160 | 0.0000 | 99.3513 | 99.3513 | 7.2200e-003 | 0.0000 | 99.5317 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Unrefrigerated Warehouse-No Rail | 49.20 | 49.20 | 49.20 | 143,640 | 143,640 |
| Total | 49.20 | 49.20 | 49.20 | 143,640 | 143,640 |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.472669 | 0.031291 | 0.166276 | 0.125679 | 0.021211 | 0.006775 | 0.020722 | 0.144029 | 0.001634 | 0.001785 | 0.006011 | 0.000972 | 0.000946 |

# 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 42.4404 | 42.4404 | 1.7500e-003 | 3.6000e-004 | 42.5922 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 42.4404 | 42.4404 | 1.7500e-003 | 3.6000e-004 | 42.5922 |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Unrefrigerated Warehouse-No Rail | 133200 | 42.4404 | 1.7500e-003 | 3.6000e-004 | 42.5922 |
| **Total** | | **42.4404** | **1.7500e-003** | **3.6000e-004** | **42.5922** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Unrefrigerated Warehouse-No Rail | 133200 | 42.4404 | 1.7500e-003 | 3.6000e-004 | 42.5922 |
| **Total** | | **42.4404** | **1.7500e-003** | **3.6000e-004** | **42.5922** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.2026 | 0.0000 | 3.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 7.1000e-004 | 7.1000e-004 | 0.0000 | 0.0000 | 7.6000e-004 |
| Unmitigated | 0.2026 | 0.0000 | 3.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 7.1000e-004 | 7.1000e-004 | 0.0000 | 0.0000 | 7.6000e-004 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0464 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.1562 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.0000e-005 | 0.0000 | 3.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 7.1000e-004 | 7.1000e-004 | 0.0000 | 0.0000 | 7.6000e-004 |
| **Total** | **0.2026** | **0.0000** | **3.7000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **7.1000e-004** | **7.1000e-004** | **0.0000** | **0.0000** | **7.6000e-004** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0464 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.1562 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.0000e-005 | 0.0000 | 3.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 7.1000e-004 | 7.1000e-004 | 0.0000 | 0.0000 | 7.6000e-004 |
| **Total** | **0.2026** | **0.0000** | **3.7000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **7.1000e-004** | **7.1000e-004** | **0.0000** | **0.0000** | **7.6000e-004** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|

| Category | MT/yr | | | |
|---|---|---|---|---|
| Mitigated | 52.8830 | 0.3722 | 1.7100e-003 | 62.6954 |
| Unmitigated | 52.8830 | 0.3722 | 1.7100e-003 | 62.6954 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Unrefrigerated Warehouse-No Rail | 1.629 / 13.03 | 52.8830 | 0.3722 | 1.7100e-003 | 62.6954 |
| **Total** | | **52.8830** | **0.3722** | **1.7100e-003** | **62.6954** |

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Unrefrigerated Warehouse-No Rail | 1.629 / 13.03 | 52.8830 | 0.3722 | 1.7100e-003 | 62.6954 |
| **Total** | | **52.8830** | **0.3722** | **1.7100e-003** | **62.6954** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 7.6325 | 0.4511 | 0.0000 | 18.9091 |
| Unmitigated | 7.6325 | 0.4511 | 0.0000 | 18.9091 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Unrefrigerated Warehouse-No Rail | 37.6 | 7.6325 | 0.4511 | 0.0000 | 18.9091 |
| **Total** | | **7.6325** | **0.4511** | **0.0000** | **18.9091** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Unrefrigerated Warehouse-No Rail | 37.6 | 7.6325 | 0.4511 | 0.0000 | 18.9091 |
| **Total** | | **7.6325** | **0.4511** | **0.0000** | **18.9091** |

## 9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|---|---|---|---|---|---|---|
| Forklifts | 2 | 8.00 | 12 | 89 | 0.20 | Diesel |
| Tractors/Loaders/Backhoes | 2 | 8.00 | 12 | 97 | 0.37 | Diesel |

**UnMitigated/Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Forklifts | 1.7300e-003 | 0.0156 | 0.0142 | 2.0000e-005 | | 1.1600e-003 | 1.1600e-003 | | 1.0700e-003 | 1.0700e-003 | 0.0000 | 1.6115 | 1.6115 | 5.2000e-004 | 0.0000 | 1.6245 |
| Tractors/Loaders/ Backhoes | 2.5100e-003 | 0.0253 | 0.0274 | 4.0000e-005 | | 1.6000e-003 | 1.6000e-003 | | 1.4700e-003 | 1.4700e-003 | 0.0000 | 3.2742 | 3.2742 | 1.0600e-003 | 0.0000 | 3.3007 |
| **Total** | **4.2400e-003** | **0.0408** | **0.0415** | **6.0000e-005** | | **2.7600e-003** | **2.7600e-003** | | **2.5400e-003** | **2.5400e-003** | **0.0000** | **4.8857** | **4.8857** | **1.5800e-003** | **0.0000** | **4.9252** |

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---|---|---|---|---|---|---|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Edwards Airforce Base

**Kern-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 40.00 | 1000sqft | 4,000.00 | 40,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 7 | | | **Operational Year** | 2020 |
| **Utility Company** | Southern California Edison | | | | |
| **CO2 Intensity (lb/MWhr)** | 702.44 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction State Date July 2018. Operational year 2020.

Land Use - Maximum of 40,000 square foot operational warehouse, operational and maintenance building. Lot area = 4,000 acres.

Construction Phase - Construction phasing based on applicant provided information.

Off-road Equipment - Construction phasing based on applicant provided information.

Off-road Equipment - Construction phasing based on applicant provided information.

Off-road Equipment - Construction phasing based on applicant provided information.

Trips and VMT - VMT and trip length information based on applicant provided information.

On-road Fugitive Dust - Vehicle and vendor trips would travel 0.27 miles on unpaved roads each trip. Haul trucks would travel 2.5 miles on unpaved roads each trip.

Grading - CalEEMod default values.

Vehicle Trips - 1.2 = (48 trips ((24 workers)/40 (1,000 square feet) (0.03 added to account for 12 yearly maintenance trucks)

Road Dust - Employee and maintenance vehicles would travel 0.27 miles on unpaved roads.

Energy Use - CalEEMod default values.

Water And Wastewater - 40 acre-feet per year for panel washing. 5 acre-feet for service and warehouse building. Wastewater would be handled a septic system.

Construction Off-road Equipment Mitigation - Tie 3 off-road equipment and compliance with Rule 402 were assumed. To account for watering of the 0.27 miles of unpaved roads associated with onsite vehicle travel a 55% reduction in PM10 and PM2.5 emissions was assumed under the soil stabilizer mitigation. This is to account for compliance with Rule 402.

Operational Off-Road Equipment - Operational off-road equipment based on applicant provided information.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 40 | 15 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 10.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 25.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 82.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 11.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 36.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 20.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |

| | | | |
|---|---|---|---|
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 15,500.00 | 520.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 200.00 |
| tblLandUse | LotAcreage | 0.92 | 4,000.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 9.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 35.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 25.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 3.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 3.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 30.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 20.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 28.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 10.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 20.00 |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | UsageHours | 8.00 | 1.10 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 1.60 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.70 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 98.00 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.03 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.03 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 96.30 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 99.90 |
| tblOperationalOffRoadEquipment | OperDaysPerYear | 260.00 | 12.00 |
| tblOperationalOffRoadEquipment | OperDaysPerYear | 260.00 | 12.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 2.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 2.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 114.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 5,200.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 843.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 60.00 |
| tblTripsAndVMT | VendorVehicleClass | HDT_Mix | MHDT |
| tblTripsAndVMT | WorkerTripLength | 10.80 | 30.00 |
| tblTripsAndVMT | WorkerTripLength | 10.80 | 30.00 |
| tblTripsAndVMT | WorkerTripNumber | 483.00 | 1,100.00 |

| | | | |
|---|---|---|---|
| tblTripsAndVMT | WorkerTripNumber | 20.00 | 116.00 |
| tblVehicleTrips | ST_TR | 1.68 | 1.23 |
| tblVehicleTrips | SU_TR | 1.68 | 1.23 |
| tblVehicleTrips | WD_TR | 1.68 | 1.23 |
| tblWater | AerobicPercent | 87.46 | 0.00 |
| tblWater | AnaDigestCombDigestGasPercent | 100.00 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | IndoorWaterUseRate | 9,250,000.00 | 1,629,000.00 |
| tblWater | OutdoorWaterUseRate | 0.00 | 13,030,000.00 |
| tblWater | SepticTankPercent | 10.33 | 100.00 |

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

**Unmitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 32.1323 | 242.5439 | 245.3079 | 0.6572 | 532.7438 | 9.8133 | 542.5571 | 56.2111 | 9.1714 | 65.3825 | 0.0000 | 66,425.8325 | 66,425.8325 | 5.8210 | 0.0000 | 66,571.3571 |
| 2019 | 31.9226 | 247.3759 | 251.0332 | 0.7132 | 467.2422 | 9.6711 | 476.9133 | 49.8666 | 9.0224 | 58.8890 | 0.0000 | 71,880.2513 | 71,880.2513 | 6.4510 | 0.0000 | 72,041.5268 |
| 2020 | 28.5872 | 222.4303 | 234.1180 | 0.7018 | 537.2163 | 8.4628 | 545.6790 | 56.9236 | 7.8828 | 64.8064 | 0.0000 | 70,428.3278 | 70,428.3278 | 6.2360 | 0.0000 | 70,584.2287 |
| **Maximum** | **32.1323** | **247.3759** | **251.0332** | **0.7132** | **537.2163** | **9.8133** | **545.6790** | **56.9236** | **9.1714** | **65.3825** | **0.0000** | **71,880.2513** | **71,880.2513** | **6.4510** | **0.0000** | **72,041.5268** |

**Mitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 22.0322 | 177.4248 | 255.4255 | 0.6572 | 157.8250 | 6.0325 | 163.8575 | 18.7760 | 5.9495 | 24.7255 | 0.0000 | 66,425.8325 | 66,425.8325 | 5.8210 | 0.0000 | 66,571.3571 |
| 2019 | 21.9764 | 188.1322 | 264.0445 | 0.7132 | 140.3868 | 6.3208 | 146.7075 | 17.2300 | 6.2442 | 23.4742 | 0.0000 | 71,880.2513 | 71,880.2513 | 6.4510 | 0.0000 | 72,041.5267 |
| 2020 | 19.6156 | 174.7009 | 248.2643 | 0.7018 | 160.0358 | 5.8142 | 165.8500 | 19.2626 | 5.7597 | 25.0223 | 0.0000 | 70,428.3278 | 70,428.3278 | 6.2360 | 0.0000 | 70,584.2287 |
| **Maximum** | **22.0322** | **188.1322** | **264.0445** | **0.7132** | **160.0358** | **6.3208** | **165.8500** | **19.2626** | **6.2442** | **25.0223** | **0.0000** | **71,880.2513** | **71,880.2513** | **6.4510** | **0.0000** | **72,041.5267** |

| | **ROG** | **NOx** | **CO** | **SO2** | **Fugitive PM10** | **Exhaust PM10** | **PM10 Total** | **Fugitive PM2.5** | **Exhaust PM2.5** | **PM2.5 Total** | **Bio- CO2** | **NBio-CO2** | **Total CO2** | **CH4** | **N20** | **CO2e** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **31.32** | **24.16** | **-5.10** | **0.00** | **70.19** | **34.99** | **69.56** | **66.09** | **31.15** | **61.27** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.1104 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.1328 | 1.4556 | 1.2116 | 6.1900e-003 | 0.3107 | 6.2000e-003 | 0.3169 | 0.0835 | 5.8700e-003 | 0.0894 | | 634.8732 | 634.8732 | 0.0426 | | 635.9391 |
| Offroad | 0.7070 | 6.8053 | 6.9199 | 9.2700e-003 | | 0.4596 | 0.4596 | | 0.4228 | 0.4228 | | 897.5987 | 897.5987 | 0.2903 | | 904.8562 |
| **Total** | **1.9502** | **8.2610** | **8.1357** | **0.0155** | **0.3107** | **0.4658** | **0.7765** | **0.0835** | **0.4287** | **0.5122** | | **1,532.4806** | **1,532.4806** | **0.3330** | **0.0000** | **1,540.8047** |

### Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.1104 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.1328 | 1.4556 | 1.2116 | 6.1900e-003 | 0.3107 | 6.2000e-003 | 0.3169 | 0.0835 | 5.8700e-003 | 0.0894 | | 634.8732 | 634.8732 | 0.0426 | | 635.9391 |
| Offroad | 0.7070 | 6.8053 | 6.9199 | 9.2700e-003 | | 0.4596 | 0.4596 | | 0.4228 | 0.4228 | | 897.5987 | 897.5987 | 0.2903 | | 904.8562 |
| **Total** | **1.9502** | **8.2610** | **8.1357** | **0.0155** | **0.3107** | **0.4658** | **0.7765** | **0.0835** | **0.4287** | **0.5122** | | **1,532.4806** | **1,532.4806** | **0.3330** | **0.0000** | **1,540.8047** |

| | **ROG** | **NOx** | **CO** | **SO2** | **Fugitive PM10** | **Exhaust PM10** | **PM10 Total** | **Fugitive PM2.5** | **Exhaust PM2.5** | **PM2.5 Total** | **Bio- CO2** | **NBio-CO2** | **Total CO2** | **CH4** | **N20** | **CO2e** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Solar Facility Construction | Grading | 7/2/2018 | 6/26/2020 | 5 | 520 | |
| 2 | Gen-Tie Constrution | Grading | 10/1/2019 | 7/6/2020 | 5 | 200 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Solar Facility Construction | Excavators | 9 | 1.10 | 158 | 0.38 |
| Solar Facility Construction | Forklifts | 25 | 0.50 | 89 | 0.20 |
| Solar Facility Construction | Generator Sets | 4 | 8.00 | 84 | 0.74 |
| Solar Facility Construction | Graders | 0 | 0.00 | 187 | 0.41 |
| Solar Facility Construction | Off-Highway Tractors | 3 | 0.30 | 124 | 0.44 |
| Solar Facility Construction | Off-Highway Tractors | 3 | 0.50 | 124 | 0.44 |
| Solar Facility Construction | Other Construction Equipment | 30 | 2.00 | 172 | 0.42 |
| Solar Facility Construction | Other Construction Equipment | 20 | 1.10 | 172 | 0.42 |
| Solar Facility Construction | Other Construction Equipment | 28 | 0.80 | 172 | 0.42 |
| Solar Facility Construction | Other Material Handling Equipment | 10 | 1.50 | 168 | 0.40 |
| Solar Facility Construction | Rubber Tired Loaders | 2 | 1.40 | 203 | 0.36 |
| Solar Facility Construction | Scrapers | 4 | 1.60 | 367 | 0.48 |
| Solar Facility Construction | Tractors/Loaders/Backhoes | 35 | 0.70 | 97 | 0.37 |
| Solar Facility Construction | Trenchers | 20 | 1.20 | 78 | 0.50 |
| Gen-Tie Constrution | Cranes | 1 | 1.60 | 231 | 0.29 |
| Gen-Tie Constrution | Excavators | 1 | 6.00 | 158 | 0.38 |
| Gen-Tie Constrution | Graders | 0 | 0.00 | 187 | 0.41 |
| Gen-Tie Constrution | Other Construction Equipment | 2 | 2.00 | 172 | 0.42 |
| Gen-Tie Constrution | Other Construction Equipment | 2 | 4.00 | 172 | 0.42 |
| Gen-Tie Constrution | Other Material Handling Equipment | 1 | 4.00 | 168 | 0.40 |
| Gen-Tie Constrution | Rubber Tired Dozers | 0 | 0.00 | 247 | 0.40 |
| Gen-Tie Constrution | Scrapers | 0 | 0.00 | 367 | 0.48 |
| Gen-Tie Constrution | Tractors/Loaders/Backhoes | 1 | 4.00 | 97 | 0.37 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Solar Facility Construction | 193 | 1,100.00 | 843.00 | 5,200.00 | 30.00 | 7.30 | 114.00 | LD_Mix | MHDT | HHDT |
| Gen-Tie Constrution | 8 | 116.00 | 60.00 | 0.00 | 30.00 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Solar Facility Construction - 2018

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.8484 | 0.0000 | 0.8484 | 0.0916 | 0.0000 | 0.0916 | | | 0.0000 | | | 0.0000 |
| Off-Road | 13.9717 | 143.6976 | 106.0246 | 0.1619 | | 8.0339 | 8.0339 | | 7.4751 | 7.4751 | | 16,137.7808 | 16,137.7808 | 4.4279 | | 16,248.4775 |
| **Total** | **13.9717** | **143.6976** | **106.0246** | **0.1619** | **0.8484** | **8.0339** | **8.8823** | **0.0916** | **7.4751** | **7.5667** | | **16,137.7808** | **16,137.7808** | **4.4279** | | **16,248.4775** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.3844 | 11.8338 | 1.8653 | 0.0402 | 134.4172 | 0.0637 | 134.4808 | 13.6202 | 0.0609 | 13.6811 | | 4,214.6532 | 4,214.6532 | 0.0738 | | 4,216.4977 |
| Vendor | 5.0577 | 78.1488 | 29.4486 | 0.1658 | 338.3602 | 1.5462 | 339.9064 | 34.5690 | 1.4792 | 36.0482 | | 17,262.6882 | 17,262.6882 | 0.4324 | | 17,273.4987 |
| Worker | 12.7185 | 8.8638 | 107.9695 | 0.2893 | 59.1181 | 0.1694 | 59.2875 | 7.9303 | 0.1562 | 8.0865 | | 28,810.7103 | 28,810.7103 | 0.8869 | | 28,832.8832 |
| **Total** | **18.1606** | **98.8463** | **139.2834** | **0.4953** | **531.8954** | **1.7793** | **533.6747** | **56.1195** | **1.6963** | **57.8158** | | **50,288.0517** | **50,288.0517** | **1.3931** | | **50,322.8796** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.3818 | 0.0000 | 0.3818 | 0.0412 | 0.0000 | 0.0412 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8715 | 78.5784 | 116.1421 | 0.1619 | | 4.2532 | 4.2532 | | 4.2532 | 4.2532 | 0.0000 | 16,137.7808 | 16,137.7808 | 4.4279 | | 16,248.4775 |
| **Total** | **3.8715** | **78.5784** | **116.1421** | **0.1619** | **0.3818** | **4.2532** | **4.6350** | **0.0412** | **4.2532** | **4.2944** | **0.0000** | **16,137.7808** | **16,137.7808** | **4.4279** | | **16,248.4775** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.3844 | 11.8338 | 1.8653 | 0.0402 | 37.9208 | 0.0637 | 37.9844 | 3.9862 | 0.0609 | 4.0471 | | 4,214.6532 | 4,214.6532 | 0.0738 | | 4,216.4977 |
| Vendor | 5.0577 | 78.1488 | 29.4486 | 0.1658 | 95.5894 | 1.5462 | 97.1356 | 10.3311 | 1.4792 | 11.8103 | | 17,262.6882 | 17,262.6882 | 0.4324 | | 17,273.4987 |
| Worker | 12.7185 | 8.8638 | 107.9695 | 0.2893 | 23.9330 | 0.1694 | 24.1025 | 4.4175 | 0.1562 | 4.5737 | | 28,810.7103 | 28,810.7103 | 0.8869 | | 28,832.8832 |
| **Total** | **18.1606** | **98.8463** | **139.2834** | **0.4953** | **157.4432** | **1.7793** | **159.2225** | **18.7348** | **1.6963** | **20.4311** | | **50,288.0517** | **50,288.0517** | **1.3931** | | **50,322.8796** |

# 3.2 Solar Facility Construction - 2019

## Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | | | | | 0.8484 | 0.0000 | 0.8484 | 0.0916 | 0.0000 | 0.0916 | | | 0.0000 | | | 0.0000 |
| Off-Road | 12.9139 | 132.3913 | 104.9506 | 0.1619 | | 7.3001 | 7.3001 | | 6.7883 | 6.7883 | | 15,921.6525 | 15,921.6525 | 4.4068 | | 16,031.8232 |
| **Total** | **12.9139** | **132.3913** | **104.9506** | **0.1619** | **0.8484** | **7.3001** | **8.1485** | **0.0916** | **6.7883** | **6.8799** | | **15,921.6525** | **15,921.6525** | **4.4068** | | **16,031.8232** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.3683 | 11.0779 | 1.8280 | 0.0397 | 67.5880 | 0.0579 | 67.6459 | 6.8804 | 0.0554 | 6.9359 | | 4,167.2978 | 4,167.2978 | 0.0706 | | 4,169.0622 |
| Vendor | 4.3854 | 72.9775 | 25.5246 | 0.1652 | 338.3602 | 1.3155 | 339.6756 | 34.5690 | 1.2584 | 35.8274 | | 17,204.3431 | 17,204.3431 | 0.3776 | | 17,213.7830 |
| Worker | 11.3968 | 7.7143 | 95.0300 | 0.2803 | 59.1181 | 0.1658 | 59.2838 | 7.9303 | 0.1527 | 8.0830 | | 27,923.3428 | 27,923.3428 | 0.7782 | | 27,942.7988 |
| **Total** | **16.1506** | **91.7697** | **122.3826** | **0.4852** | **465.0662** | **1.5392** | **466.6053** | **49.3797** | **1.4666** | **50.8463** | | **49,294.9836** | **49,294.9836** | **1.2264** | | **49,325.6440** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.3818 | 0.0000 | 0.3818 | 0.0412 | 0.0000 | 0.0412 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8715 | 78.5784 | 116.1421 | 0.1619 | | 4.2532 | 4.2532 | | 4.2532 | 4.2532 | 0.0000 | 15,921.6525 | 15,921.6525 | 4.4068 | | 16,031.8232 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **3.8715** | **78.5784** | **116.1421** | **0.1619** | **0.3818** | **4.2532** | **4.6350** | **0.0412** | **4.2532** | **4.2944** | **0.0000** | **15,921.6525** | **15,921.6525** | **4.4068** | | **16,031.8232** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.3683 | 11.0779 | 1.8280 | 0.0397 | 19.1549 | 0.0579 | 19.2128 | 2.0449 | 0.0554 | 2.1004 | | 4,167.2978 | 4,167.2978 | 0.0706 | | 4,169.0622 |
| Vendor | 4.3854 | 72.9775 | 25.5246 | 0.1652 | 95.5894 | 1.3155 | 96.9049 | 10.3311 | 1.2584 | 11.5895 | | 17,204.3431 | 17,204.3431 | 0.3776 | | 17,213.7830 |
| Worker | 11.3968 | 7.7143 | 95.0300 | 0.2803 | 23.9330 | 0.1658 | 24.0988 | 4.4175 | 0.1527 | 4.5702 | | 27,923.3428 | 27,923.3428 | 0.7782 | | 27,942.7988 |
| **Total** | **16.1506** | **91.7697** | **122.3826** | **0.4852** | **138.6773** | **1.5392** | **140.2165** | **16.7935** | **1.4666** | **18.2601** | | **49,294.9836** | **49,294.9836** | **1.2264** | | **49,325.6440** |

## 3.2 Solar Facility Construction - 2020

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.8484 | 0.0000 | 0.8484 | 0.0916 | 0.0000 | 0.0916 | | | 0.0000 | | | 0.0000 |
| Off-Road | 12.0357 | 122.1730 | 103.9076 | 0.1619 | | 6.6694 | 6.6694 | | 6.1986 | 6.1986 | | 15,629.6008 | 15,629.6008 | 4.3893 | | 15,739.3320 |
| **Total** | **12.0357** | **122.1730** | **103.9076** | **0.1619** | **0.8484** | **6.6694** | **7.5178** | **0.0916** | **6.1986** | **6.2902** | | **15,629.6008** | **15,629.6008** | **4.3893** | | **15,739.3320** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.3433 | 10.2082 | 1.7529 | 0.0392 | 137.5620 | 0.0486 | 137.6106 | 13.9374 | 0.0465 | 13.9839 | | 4,116.4506 | 4,116.4506 | 0.0662 | | 4,118.1059 |
| Vendor | 3.2383 | 62.1036 | 21.0703 | 0.1645 | 338.3602 | 0.8419 | 339.2021 | 34.5690 | 0.8054 | 35.3744 | | 17,137.3116 | 17,137.3116 | 0.3044 | | 17,144.9226 |
| Worker | 10.3676 | 6.7915 | 85.0263 | 0.2712 | 59.1181 | 0.1617 | 59.2798 | 7.9303 | 0.1489 | 8.0792 | | 27,032.0759 | 27,032.0759 | 0.6795 | | 27,049.0626 |
| **Total** | **13.9492** | **79.1034** | **107.8495** | **0.4749** | **535.0402** | **1.0522** | **536.0924** | **56.4367** | **1.0008** | **57.4375** | | **48,285.8381** | **48,285.8381** | **1.0501** | | **48,312.0911** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.3818 | 0.0000 | 0.3818 | 0.0412 | 0.0000 | 0.0412 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8715 | 78.5784 | 116.1421 | 0.1619 | | 4.2532 | 4.2532 | | 4.2532 | 4.2532 | 0.0000 | 15,629.6008 | 15,629.6008 | 4.3893 | | 15,739.3320 |
| **Total** | **3.8715** | **78.5784** | **116.1421** | **0.1619** | **0.3818** | **4.2532** | **4.6350** | **0.0412** | **4.2532** | **4.2944** | **0.0000** | **15,629.6008** | **15,629.6008** | **4.3893** | | **15,739.3320** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.3433 | 10.2082 | 1.7529 | 0.0392 | 38.8040 | 0.0486 | 38.8526 | 4.0776 | 0.0465 | 4.1241 | | 4,116.4506 | 4,116.4506 | 0.0662 | | 4,118.1059 |
| Vendor | 3.2383 | 62.1036 | 21.0703 | 0.1645 | 95.5894 | 0.8419 | 96.4313 | 10.3311 | 0.8054 | 11.1365 | | 17,137.3116 | 17,137.3116 | 0.3044 | | 17,144.9226 |
| Worker | 10.3676 | 6.7915 | 85.0263 | 0.2712 | 23.9330 | 0.1617 | 24.0947 | 4.4175 | 0.1489 | 4.5664 | | 27,032.0759 | 27,032.0759 | 0.6795 | | 27,049.0626 |
| **Total** | **13.9492** | **79.1034** | **107.8495** | **0.4749** | **158.3264** | **1.0522** | **159.3786** | **18.8262** | **1.0008** | **19.8270** | | **48,285.8381** | **48,285.8381** | **1.0501** | | **48,312.0911** |

## 3.3 Gen-Tie Constrution - 2019

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.3660 | 14.4975 | 12.1680 | 0.0187 | | 0.7544 | 0.7544 | | 0.6940 | 0.6940 | | 1,855.6264 | 1,855.6264 | 0.5871 | | 1,870.3039 |
| **Total** | **1.3660** | **14.4975** | **12.1680** | **0.0187** | **0.0000** | **0.7544** | **0.7544** | **0.0000** | **0.6940** | **0.6940** | | **1,855.6264** | **1,855.6264** | **0.5871** | | **1,870.3039** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.2904 | 7.9039 | 1.5107 | 0.0178 | 0.2141 | 0.0600 | 0.2740 | 0.0698 | 0.0574 | 0.1272 | | 1,863.3454 | 1,863.3454 | 0.1486 | | 1,867.0606 |
| Worker | 1.2019 | 0.8135 | 10.0214 | 0.0296 | 1.1136 | 0.0175 | 1.1311 | 0.3254 | 0.0161 | 0.3415 | | 2,944.6434 | 2,944.6434 | 0.0821 | | 2,946.6951 |
| **Total** | **1.4922** | **8.7174** | **11.5321** | **0.0474** | **1.3277** | **0.0775** | **1.4051** | **0.3953** | **0.0735** | **0.4687** | | **4,807.9888** | **4,807.9888** | **0.2307** | | **4,813.7558** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.4621 | 9.0666 | 13.9878 | 0.0187 | | 0.4509 | 0.4509 | | 0.4509 | 0.4509 | 0.0000 | 1,855.6264 | 1,855.6264 | 0.5871 | | 1,870.3039 |
| **Total** | **0.4621** | **9.0666** | **13.9878** | **0.0187** | **0.0000** | **0.4509** | **0.4509** | **0.0000** | **0.4509** | **0.4509** | **0.0000** | **1,855.6264** | **1,855.6264** | **0.5871** | | **1,870.3039** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.2904 | 7.9039 | 1.5107 | 0.0178 | 0.2141 | 0.0600 | 0.2740 | 0.0698 | 0.0574 | 0.1272 | | 1,863.3454 | 1,863.3454 | 0.1486 | | 1,867.0606 |
| Worker | 1.2019 | 0.8135 | 10.0214 | 0.0296 | 1.1136 | 0.0175 | 1.1311 | 0.3254 | 0.0161 | 0.3415 | | 2,944.6434 | 2,944.6434 | 0.0821 | | 2,946.6951 |
| **Total** | **1.4922** | **8.7174** | **11.5321** | **0.0474** | **1.3277** | **0.0775** | **1.4051** | **0.3953** | **0.0735** | **0.4687** | | **4,807.9888** | **4,807.9888** | **0.2307** | | **4,813.7558** |

## 3.3 Gen-Tie Constrution - 2020

## Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2695 | 13.2014 | 12.0760 | 0.0187 | | 0.6833 | 0.6833 | | 0.6286 | 0.6286 | | 1,815.2755 | 1,815.2755 | 0.5871 | | 1,829.9529 |
| **Total** | **1.2695** | **13.2014** | **12.0760** | **0.0187** | **0.0000** | **0.6833** | **0.6833** | **0.0000** | **0.6286** | **0.6286** | | **1,815.2755** | **1,815.2755** | **0.5871** | | **1,829.9529** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.2395 | 7.2363 | 1.3185 | 0.0177 | 0.2141 | 0.0409 | 0.2549 | 0.0698 | 0.0391 | 0.1089 | | 1,846.9582 | 1,846.9582 | 0.1379 | | 1,850.4061 |
| Worker | 1.0933 | 0.7162 | 8.9664 | 0.0286 | 1.1136 | 0.0171 | 1.1307 | 0.3254 | 0.0157 | 0.3411 | | 2,850.6553 | 2,850.6553 | 0.0717 | | 2,852.4466 |
| **Total** | **1.3328** | **7.9525** | **10.2849** | **0.0463** | **1.3277** | **0.0579** | **1.3856** | **0.3953** | **0.0548** | **0.4500** | | **4,697.6135** | **4,697.6135** | **0.2096** | | **4,702.8527** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road | 0.4621 | 9.0666 | 13.9878 | 0.0187 | | 0.4509 | 0.4509 | | 0.4509 | 0.4509 | 0.0000 | 1,815.2755 | 1,815.2755 | 0.5871 | | 1,829.9529 |
| **Total** | **0.4621** | **9.0666** | **13.9878** | **0.0187** | **0.0000** | **0.4509** | **0.4509** | **0.0000** | **0.4509** | **0.4509** | **0.0000** | **1,815.2755** | **1,815.2755** | **0.5871** | | **1,829.9529** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.2395 | 7.2363 | 1.3185 | 0.0177 | 0.2141 | 0.0409 | 0.2549 | 0.0698 | 0.0391 | 0.1089 | | 1,846.9582 | 1,846.9582 | 0.1379 | | 1,850.4061 |
| Worker | 1.0933 | 0.7162 | 8.9664 | 0.0286 | 1.1136 | 0.0171 | 1.1307 | 0.3254 | 0.0157 | 0.3411 | | 2,850.6553 | 2,850.6553 | 0.0717 | | 2,852.4466 |
| **Total** | **1.3328** | **7.9525** | **10.2849** | **0.0463** | **1.3277** | **0.0579** | **1.3856** | **0.3953** | **0.0548** | **0.4500** | | **4,697.6135** | **4,697.6135** | **0.2096** | | **4,702.8527** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.1328 | 1.4556 | 1.2116 | 6.1900e-003 | 0.3107 | 6.2000e-003 | 0.3169 | 0.0835 | 5.8700e-003 | 0.0894 | | 634.8732 | 634.8732 | 0.0426 | | 635.9391 |
| Unmitigated | 0.1328 | 1.4556 | 1.2116 | 6.1900e-003 | 0.3107 | 6.2000e-003 | 0.3169 | 0.0835 | 5.8700e-003 | 0.0894 | | 634.8732 | 634.8732 | 0.0426 | | 635.9391 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Unrefrigerated Warehouse-No Rail | 49.20 | 49.20 | 49.20 | 143,640 | 143,640 |
| Total | 49.20 | 49.20 | 49.20 | 143,640 | 143,640 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.472669 | 0.031291 | 0.166276 | 0.125679 | 0.021211 | 0.006775 | 0.020722 | 0.144029 | 0.001634 | 0.001785 | 0.006011 | 0.000972 | 0.000946 |

# 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.1104 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |
| Unmitigated | 1.1104 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.2540 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.8560 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.9000e-004 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |
| **Total** | **1.1104** | **4.0000e-005** | **4.1100e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **8.7500e-003** | **8.7500e-003** | **2.0000e-005** | | **9.3400e-003** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coating | 0.2540 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.8560 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.9000e-004 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |
| **Total** | **1.1104** | **4.0000e-005** | **4.1100e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **8.7500e-003** | **8.7500e-003** | **2.0000e-005** | | **9.3400e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|---|---|---|---|---|---|---|
| Forklifts | 2 | 8.00 | 12 | 89 | 0.20 | Diesel |
| Tractors/Loaders/Backhoes | 2 | 8.00 | 12 | 97 | 0.37 | Diesel |

**UnMitigated/Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.2880 | 2.5950 | 2.3605 | 3.0500e-003 | | 0.1933 | 0.1933 | | 0.1779 | 0.1779 | | 296.0617 | 296.0617 | 0.0958 | | 298.4555 |
| Tractors/Loaders/Backhoes | 0.4190 | 4.2103 | 4.5594 | 6.2100e-003 | | 0.2662 | 0.2662 | | 0.2449 | 0.2449 | | 601.5370 | 601.5370 | 0.1946 | | 606.4008 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.7070** | **6.8053** | **6.9199** | **9.2600e-003** | | **0.4596** | **0.4596** | | **0.4228** | **0.4228** | | **897.5987** | **897.5987** | **0.2903** | | **904.8562** |

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---|---|---|---|---|---|---|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Edwards Airforce Base

**Kern-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 40.00 | 1000sqft | 4,000.00 | 40,000.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.7 | **Precipitation Freq (Days)** | 32 |
| **Climate Zone** | 7 | | | **Operational Year** | 2020 |
| **Utility Company** | Southern California Edison | | | | |
| **CO2 Intensity (lb/MWhr)** | 702.44 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction State Date July 2018. Operational year 2020.

Land Use - Maximum of 40,000 square foot operational warehouse, operational and maintenance building. Lot area = 4,000 acres.

Construction Phase - Construction phasing based on applicant provided information.

Off-road Equipment - Construction phasing based on applicant provided information.

Off-road Equipment - Construction phasing based on applicant provided information.

Off-road Equipment - Construction phasing based on applicant provided information.

Trips and VMT - VMT and trip length information based on applicant provided information.

On-road Fugitive Dust - Vehicle and vendor trips would travel 0.27 miles on unpaved roads each trip. Haul trucks would travel 2.5 miles on unpaved roads each trip.

Grading - CalEEMod default values.

Vehicle Trips - 1.2 = (48 trips ((24 workers)/40 (1,000 square feet) (0.03 added to account for 12 yearly maintenance trucks)

Road Dust - Employee and maintenance vehicles would travel 0.27 miles on unpaved roads.

Energy Use - CalEEMod default values.

Water And Wastewater - 40 acre-feet per year for panel washing. 5 acre-feet for service and warehouse building. Wastewater would be handled a septic system.

Construction Off-road Equipment Mitigation - Tie 3 off-road equipment and compliance with Rule 402 were assumed. To account for watering of the 0.27 miles of unpaved roads associated with onsite vehicle travel a 55% reduction in PM10 and PM2.5 emissions was assumed under the soil stabilizer mitigation. This is to account for compliance with Rule 402.

Operational Off-Road Equipment - Operational off-road equipment based on applicant provided information.

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 40 | 15 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 10.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 25.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 82.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 11.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 36.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 20.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |

| | | | |
|---|---|---|---|
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 15,500.00 | 520.00 |
| tblConstructionPhase | NumDays | 15,500.00 | 200.00 |
| tblLandUse | LotAcreage | 0.92 | 4,000.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 9.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 35.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 25.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 3.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 3.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 30.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 20.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 28.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 10.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 20.00 |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | PhaseName | | Solar Facility Construction |
| tblOffRoadEquipment | UsageHours | 8.00 | 1.10 |
| tblOffRoadEquipment | UsageHours | 8.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 1.60 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.70 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 98.00 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.03 |
| tblOnRoadDust | RoadSiltLoading | 0.10 | 0.03 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 96.30 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 99.90 |
| tblOperationalOffRoadEquipment | OperDaysPerYear | 260.00 | 12.00 |
| tblOperationalOffRoadEquipment | OperDaysPerYear | 260.00 | 12.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 2.00 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 2.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 114.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 5,200.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 843.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 60.00 |
| tblTripsAndVMT | VendorVehicleClass | HDT_Mix | MHDT |
| tblTripsAndVMT | WorkerTripLength | 10.80 | 30.00 |

| | | | |
|---|---|---|---|
| tblTripsAndVMT | WorkerTripLength | 10.80 | 30.00 |
| tblTripsAndVMT | WorkerTripNumber | 483.00 | 1,100.00 |
| tblTripsAndVMT | WorkerTripNumber | 20.00 | 116.00 |
| tblVehicleTrips | ST_TR | 1.68 | 1.23 |
| tblVehicleTrips | SU_TR | 1.68 | 1.23 |
| tblVehicleTrips | WD_TR | 1.68 | 1.23 |
| tblWater | AerobicPercent | 87.46 | 0.00 |
| tblWater | AnaDigestCombDigestGasPercent | 100.00 | 0.00 |
| tblWater | AnaerobicandFacultativeLagoonsPercent | 2.21 | 0.00 |
| tblWater | IndoorWaterUseRate | 9,250,000.00 | 1,629,000.00 |
| tblWater | OutdoorWaterUseRate | 0.00 | 13,030,000.00 |
| tblWater | SepticTankPercent | 10.33 | 100.00 |

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

**Unmitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 32.5789 | 248.3258 | 224.2034 | 0.6184 | 532.7438 | 9.8218 | 542.5656 | 56.2111 | 9.1796 | 65.3907 | 0.0000 | 62,569.6794 | 62,569.6794 | 5.6998 | 0.0000 | 62,712.1749 |
| 2019 | 32.3833 | 252.7563 | 229.9673 | 0.6710 | 467.2422 | 9.6799 | 476.9221 | 49.8666 | 9.0308 | 58.8974 | 0.0000 | 67,685.0791 | 67,685.0791 | 6.3480 | 0.0000 | 67,843.7788 |
| 2020 | 29.0415 | 226.8231 | 214.9410 | 0.6610 | 537.2163 | 8.4696 | 545.6858 | 56.9236 | 7.8894 | 64.8129 | 0.0000 | 66,362.3132 | 66,362.3132 | 6.1468 | 0.0000 | 66,515.9828 |
| **Maximum** | **32.5789** | **252.7563** | **229.9673** | **0.6710** | **537.2163** | **9.8218** | **545.6858** | **56.9236** | **9.1796** | **65.3907** | **0.0000** | **67,685.0791** | **67,685.0791** | **6.3480** | **0.0000** | **67,843.7788** |

**Mitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 22.4788 | 183.2067 | 234.3209 | 0.6184 | 157.8250 | 6.0411 | 163.8661 | 18.7760 | 5.9577 | 24.7337 | 0.0000 | 62,569.6794 | 62,569.6794 | 5.6998 | 0.0000 | 62,712.1749 |
| 2019 | 22.4372 | 193.5127 | 242.9786 | 0.6710 | 140.3868 | 6.3295 | 146.7163 | 17.2300 | 6.2526 | 23.4826 | 0.0000 | 67,685.0790 | 67,685.0790 | 6.3480 | 0.0000 | 67,843.7788 |
| 2020 | 20.0699 | 179.0937 | 229.0873 | 0.6610 | 160.0358 | 5.8210 | 165.8568 | 19.2626 | 5.7662 | 25.0288 | 0.0000 | 66,362.3132 | 66,362.3132 | 6.1468 | 0.0000 | 66,515.9828 |
| **Maximum** | **22.4788** | **193.5127** | **242.9786** | **0.6710** | **160.0358** | **6.3295** | **165.8568** | **19.2626** | **6.2526** | **25.0288** | **0.0000** | **67,685.0790** | **67,685.0790** | **6.3480** | **0.0000** | **67,843.7788** |

| | **ROG** | **NOx** | **CO** | **SO2** | **Fugitive PM10** | **Exhaust PM10** | **PM10 Total** | **Fugitive PM2.5** | **Exhaust PM2.5** | **PM2.5 Total** | **Bio- CO2** | **NBio-CO2** | **Total CO2** | **CH4** | **N20** | **CO2e** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **30.87** | **23.64** | **-5.57** | **0.00** | **70.19** | **34.96** | **69.56** | **66.09** | **31.12** | **61.27** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.1104 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.1108 | 1.4754 | 1.1270 | 5.6900e-003 | 0.3107 | 6.3200e-003 | 0.3171 | 0.0835 | 5.9900e-003 | 0.0895 | | 584.0802 | 584.0802 | 0.0460 | | 585.2304 |
| Offroad | 0.7070 | 6.8053 | 6.9199 | 9.2700e-003 | | 0.4596 | 0.4596 | | 0.4228 | 0.4228 | | 897.5987 | 897.5987 | 0.2903 | | 904.8562 |
| **Total** | **1.9282** | **8.2807** | **8.0510** | **0.0150** | **0.3107** | **0.4659** | **0.7766** | **0.0835** | **0.4288** | **0.5123** | | **1,481.6876** | **1,481.6876** | **0.3363** | **0.0000** | **1,490.0960** |

**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.1104 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.1108 | 1.4754 | 1.1270 | 5.6900e-003 | 0.3107 | 6.3200e-003 | 0.3171 | 0.0835 | 5.9900e-003 | 0.0895 | | 584.0802 | 584.0802 | 0.0460 | | 585.2304 |
| Offroad | 0.7070 | 6.8053 | 6.9199 | 9.2700e-003 | | 0.4596 | 0.4596 | | 0.4228 | 0.4228 | | 897.5987 | 897.5987 | 0.2903 | | 904.8562 |
| **Total** | **1.9282** | **8.2807** | **8.0510** | **0.0150** | **0.3107** | **0.4659** | **0.7766** | **0.0835** | **0.4288** | **0.5123** | | **1,481.6876** | **1,481.6876** | **0.3363** | **0.0000** | **1,490.0960** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Solar Facility Construction | Grading | 7/2/2018 | 6/26/2020 | 5 | 520 | |
| 2 | Gen-Tie Constrution | Grading | 10/1/2019 | 7/6/2020 | 5 | 200 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Solar Facility Construction | Excavators | 9 | 1.10 | 158 | 0.38 |
| Solar Facility Construction | Forklifts | 25 | 0.50 | 89 | 0.20 |
| Solar Facility Construction | Generator Sets | 4 | 8.00 | 84 | 0.74 |
| Solar Facility Construction | Graders | 0 | 0.00 | 187 | 0.41 |
| Solar Facility Construction | Off-Highway Tractors | 3 | 0.30 | 124 | 0.44 |
| Solar Facility Construction | Off-Highway Tractors | 3 | 0.50 | 124 | 0.44 |
| Solar Facility Construction | Other Construction Equipment | 30 | 2.00 | 172 | 0.42 |
| Solar Facility Construction | Other Construction Equipment | 20 | 1.10 | 172 | 0.42 |
| Solar Facility Construction | Other Construction Equipment | 28 | 0.80 | 172 | 0.42 |
| Solar Facility Construction | Other Material Handling Equipment | 10 | 1.50 | 168 | 0.40 |
| Solar Facility Construction | Rubber Tired Loaders | 2 | 1.40 | 203 | 0.36 |
| Solar Facility Construction | Scrapers | 4 | 1.60 | 367 | 0.48 |
| Solar Facility Construction | Tractors/Loaders/Backhoes | 35 | 0.70 | 97 | 0.37 |
| Solar Facility Construction | Trenchers | 20 | 1.20 | 78 | 0.50 |
| Gen-Tie Constrution | Cranes | 1 | 1.60 | 231 | 0.29 |
| Gen-Tie Constrution | Excavators | 1 | 6.00 | 158 | 0.38 |
| Gen-Tie Constrution | Graders | 0 | 0.00 | 187 | 0.41 |
| Gen-Tie Constrution | Other Construction Equipment | 2 | 2.00 | 172 | 0.42 |
| Gen-Tie Constrution | Other Construction Equipment | 2 | 4.00 | 172 | 0.42 |
| Gen-Tie Constrution | Other Material Handling Equipment | 1 | 4.00 | 168 | 0.40 |
| Gen-Tie Constrution | Rubber Tired Dozers | 0 | 0.00 | 247 | 0.40 |
| Gen-Tie Constrution | Scrapers | 0 | 0.00 | 367 | 0.48 |
| Gen-Tie Constrution | Tractors/Loaders/Backhoes | 1 | 4.00 | 97 | 0.37 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Solar Facility Construction | 193 | 1,100.00 | 843.00 | 5,200.00 | 30.00 | 7.30 | 114.00 | LD_Mix | MHDT | HHDT |
| Gen-Tie Constrution | 8 | 116.00 | 60.00 | 0.00 | 30.00 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

## 3.2 Solar Facility Construction - 2018

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.8484 | 0.0000 | 0.8484 | 0.0916 | 0.0000 | 0.0916 | | | 0.0000 | | | 0.0000 |
| Off-Road | 13.9717 | 143.6976 | 106.0246 | 0.1619 | | 8.0339 | 8.0339 | | 7.4751 | 7.4751 | | 16,137.7808 | 16,137.7808 | 4.4279 | | 16,248.4775 |
| **Total** | **13.9717** | **143.6976** | **106.0246** | **0.1619** | **0.8484** | **8.0339** | **8.8823** | **0.0916** | **7.4751** | **7.5667** | | **16,137.7808** | **16,137.7808** | **4.4279** | | **16,248.4775** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.3875 | 12.5343 | 1.9129 | 0.0400 | 134.4172 | 0.0639 | 134.4811 | 13.6202 | 0.0611 | 13.6814 | | 4,193.8879 | 4,193.8879 | 0.0799 | | 4,195.8856 |
| Vendor | 5.1486 | 81.9303 | 31.8980 | 0.1654 | 338.3602 | 1.5546 | 339.9147 | 34.5690 | 1.4872 | 36.0562 | | 17,216.8737 | 17,216.8737 | 0.4491 | | 17,228.1022 |
| Worker | 13.0711 | 10.1637 | 84.3680 | 0.2511 | 59.1181 | 0.1694 | 59.2875 | 7.9303 | 0.1562 | 8.0865 | | 25,021.1371 | 25,021.1371 | 0.7429 | | 25,039.7096 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **18.6072** | **104.6283** | **118.1788** | **0.4565** | **531.8954** | **1.7879** | **533.6833** | **56.1195** | **1.7045** | **57.8240** | | **46,431.8986** | **46,431.8986** | **1.2720** | | **46,463.6974** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.3818 | 0.0000 | 0.3818 | 0.0412 | 0.0000 | 0.0412 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8715 | 78.5784 | 116.1421 | 0.1619 | | 4.2532 | 4.2532 | | 4.2532 | 4.2532 | 0.0000 | 16,137.7808 | 16,137.7808 | 4.4279 | | 16,248.4775 |
| **Total** | **3.8715** | **78.5784** | **116.1421** | **0.1619** | **0.3818** | **4.2532** | **4.6350** | **0.0412** | **4.2532** | **4.2944** | **0.0000** | **16,137.7808** | **16,137.7808** | **4.4279** | | **16,248.4775** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.3875 | 12.5343 | 1.9129 | 0.0400 | 37.9208 | 0.0639 | 37.9847 | 3.9862 | 0.0611 | 4.0473 | | 4,193.8879 | 4,193.8879 | 0.0799 | | 4,195.8856 |
| Vendor | 5.1486 | 81.9303 | 31.8980 | 0.1654 | 95.5894 | 1.5546 | 97.1440 | 10.3311 | 1.4872 | 11.8183 | | 17,216.8737 | 17,216.8737 | 0.4491 | | 17,228.1022 |
| Worker | 13.0711 | 10.1637 | 84.3680 | 0.2511 | 23.9330 | 0.1694 | 24.1025 | 4.4175 | 0.1562 | 4.5737 | | 25,021.1371 | 25,021.1371 | 0.7429 | | 25,039.7096 |
| **Total** | **18.6072** | **104.6283** | **118.1788** | **0.4565** | **157.4432** | **1.7879** | **159.2311** | **18.7348** | **1.7045** | **20.4393** | | **46,431.8986** | **46,431.8986** | **1.2720** | | **46,463.6974** |

# 3.2 Solar Facility Construction - 2019

## Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.8484 | 0.0000 | 0.8484 | 0.0916 | 0.0000 | 0.0916 | | | 0.0000 | | | 0.0000 |
| Off-Road | 12.9139 | 132.3913 | 104.9506 | 0.1619 | | 7.3001 | 7.3001 | | 6.7883 | 6.7883 | | 15,921.6525 | 15,921.6525 | 4.4068 | | 16,031.8232 |
| **Total** | **12.9139** | **132.3913** | **104.9506** | **0.1619** | **0.8484** | **7.3001** | **8.1485** | **0.0916** | **6.7883** | **6.8799** | | **15,921.6525** | **15,921.6525** | **4.4068** | | **16,031.8232** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.3712 | 11.7312 | 1.8729 | 0.0395 | 67.5880 | 0.0582 | 67.6461 | 6.8804 | 0.0556 | 6.9361 | | 4,146.6684 | 4,146.6684 | 0.0765 | | 4,148.5810 |
| Vendor | 4.4653 | 76.3531 | 27.7939 | 0.1648 | 338.3602 | 1.3231 | 339.6833 | 34.5690 | 1.2657 | 35.8347 | | 17,158.0709 | 17,158.0709 | 0.3933 | | 17,167.9043 |
| Worker | 11.7278 | 8.8370 | 73.6502 | 0.2432 | 59.1181 | 0.1658 | 59.2838 | 7.9303 | 0.1527 | 8.0830 | | 24,246.3615 | 24,246.3615 | 0.6486 | | 24,262.5772 |
| **Total** | **16.5644** | **96.9213** | **103.3170** | **0.4475** | **465.0662** | **1.5470** | **466.6132** | **49.3797** | **1.4741** | **50.8538** | | **45,551.1007** | **45,551.1007** | **1.1185** | | **45,579.0626** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | | | | | 0.3818 | 0.0000 | 0.3818 | 0.0412 | 0.0000 | 0.0412 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8715 | 78.5784 | 116.1421 | 0.1619 | | 4.2532 | 4.2532 | | 4.2532 | 4.2532 | 0.0000 | 15,921.6525 | 15,921.6525 | 4.4068 | | 16,031.8232 |
| **Total** | **3.8715** | **78.5784** | **116.1421** | **0.1619** | **0.3818** | **4.2532** | **4.6350** | **0.0412** | **4.2532** | **4.2944** | **0.0000** | **15,921.6525** | **15,921.6525** | **4.4068** | | **16,031.8232** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.3712 | 11.7312 | 1.8729 | 0.0395 | 19.1549 | 0.0582 | 19.2131 | 2.0449 | 0.0556 | 2.1006 | | 4,146.6684 | 4,146.6684 | 0.0765 | | 4,148.5810 |
| Vendor | 4.4653 | 76.3531 | 27.7939 | 0.1648 | 95.5894 | 1.3231 | 96.9125 | 10.3311 | 1.2657 | 11.5969 | | 17,158.0709 | 17,158.0709 | 0.3933 | | 17,167.9043 |
| Worker | 11.7278 | 8.8370 | 73.6502 | 0.2432 | 23.9330 | 0.1658 | 24.0988 | 4.4175 | 0.1527 | 4.5702 | | 24,246.3615 | 24,246.3615 | 0.6486 | | 24,262.5772 |
| **Total** | **16.5644** | **96.9213** | **103.3170** | **0.4475** | **138.6773** | **1.5470** | **140.2244** | **16.7935** | **1.4741** | **18.2676** | | **45,551.1007** | **45,551.1007** | **1.1185** | | **45,579.0626** |

## 3.2 Solar Facility Construction - 2020

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.8484 | 0.0000 | 0.8484 | 0.0916 | 0.0000 | 0.0916 | | | 0.0000 | | | 0.0000 |
| Off-Road | 12.0357 | 122.1730 | 103.9076 | 0.1619 | | 6.6694 | 6.6694 | | 6.1986 | 6.1986 | | 15,629.6008 | 15,629.6008 | 4.3893 | | 15,739.3320 |
| **Total** | **12.0357** | **122.1730** | **103.9076** | **0.1619** | **0.8484** | **6.6694** | **7.5178** | **0.0916** | **6.1986** | **6.2902** | | **15,629.6008** | **15,629.6008** | **4.3893** | | **15,739.3320** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.3460 | 10.8063 | 1.7943 | 0.0391 | 137.5620 | 0.0488 | 137.6108 | 13.9374 | 0.0467 | 13.9841 | | 4,095.9443 | 4,095.9443 | 0.0718 | | 4,097.7403 |
| Vendor | 3.3102 | 64.7333 | 23.1382 | 0.1641 | 338.3602 | 0.8478 | 339.2080 | 34.5690 | 0.8110 | 35.3800 | | 17,091.1409 | 17,091.1409 | 0.3193 | | 17,099.1243 |
| Worker | 10.7011 | 7.7722 | 65.5584 | 0.2353 | 59.1181 | 0.1617 | 59.2798 | 7.9303 | 0.1489 | 8.0792 | | 23,471.3907 | 23,471.3907 | 0.5642 | | 23,485.4963 |
| **Total** | **14.3573** | **83.3118** | **90.4909** | **0.4385** | **535.0402** | **1.0583** | **536.0985** | **56.4367** | **1.0066** | **57.4433** | | **44,658.4759** | **44,658.4759** | **0.9554** | | **44,682.3609** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.3818 | 0.0000 | 0.3818 | 0.0412 | 0.0000 | 0.0412 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8715 | 78.5784 | 116.1421 | 0.1619 | | 4.2532 | 4.2532 | | 4.2532 | 4.2532 | 0.0000 | 15,629.6008 | 15,629.6008 | 4.3893 | | 15,739.3320 |
| **Total** | **3.8715** | **78.5784** | **116.1421** | **0.1619** | **0.3818** | **4.2532** | **4.6350** | **0.0412** | **4.2532** | **4.2944** | **0.0000** | **15,629.6008** | **15,629.6008** | **4.3893** | | **15,739.3320** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| Category | lb/day | | | | | | | | | | | lb/day | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.3460 | 10.8063 | 1.7943 | 0.0391 | 38.8040 | 0.0488 | 38.8527 | 4.0776 | 0.0467 | 4.1242 | | 4,095.9443 | 4,095.9443 | 0.0718 | | 4,097.7403 |
| Vendor | 3.3102 | 64.7333 | 23.1382 | 0.1641 | 95.5894 | 0.8478 | 96.4372 | 10.3311 | 0.8110 | 11.1421 | | 17,091.1409 | 17,091.1409 | 0.3193 | | 17,099.1243 |
| Worker | 10.7011 | 7.7722 | 65.5584 | 0.2353 | 23.9330 | 0.1617 | 24.0947 | 4.4175 | 0.1489 | 4.5664 | | 23,471.3907 | 23,471.3907 | 0.5642 | | 23,485.4963 |
| **Total** | **14.3573** | **83.3118** | **90.4909** | **0.4385** | **158.3264** | **1.0583** | **159.3847** | **18.8262** | **1.0066** | **19.8328** | | **44,658.4759** | **44,658.4759** | **0.9554** | | **44,682.3609** |

## 3.3 Gen-Tie Constrution - 2019

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.3660 | 14.4975 | 12.1680 | 0.0187 | | 0.7544 | 0.7544 | | 0.6940 | 0.6940 | | 1,855.6264 | 1,855.6264 | 0.5871 | | 1,870.3039 |
| **Total** | **1.3660** | **14.4975** | **12.1680** | **0.0187** | **0.0000** | **0.7544** | **0.7544** | **0.0000** | **0.6940** | **0.6940** | | **1,855.6264** | **1,855.6264** | **0.5871** | | **1,870.3039** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.3024 | 8.0144 | 1.7650 | 0.0172 | 0.2141 | 0.0609 | 0.2750 | 0.0698 | 0.0583 | 0.1281 | | 1,799.8104 | 1,799.8104 | 0.1672 | | 1,803.9901 |
| Worker | 1.2368 | 0.9319 | 7.7668 | 0.0257 | 1.1136 | 0.0175 | 1.1311 | 0.3254 | 0.0161 | 0.3415 | | 2,556.8890 | 2,556.8890 | 0.0684 | | 2,558.5991 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1.5392** | **8.9463** | **9.5317** | **0.0429** | **1.3277** | **0.0784** | **1.4060** | **0.3953** | **0.0744** | **0.4696** | | **4,356.6994** | **4,356.6994** | **0.2356** | | **4,362.5892** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.4621 | 9.0666 | 13.9878 | 0.0187 | | 0.4509 | 0.4509 | | 0.4509 | 0.4509 | 0.0000 | 1,855.6264 | 1,855.6264 | 0.5871 | | 1,870.3039 |
| **Total** | **0.4621** | **9.0666** | **13.9878** | **0.0187** | **0.0000** | **0.4509** | **0.4509** | **0.0000** | **0.4509** | **0.4509** | **0.0000** | **1,855.6264** | **1,855.6264** | **0.5871** | | **1,870.3039** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.3024 | 8.0144 | 1.7650 | 0.0172 | 0.2141 | 0.0609 | 0.2750 | 0.0698 | 0.0583 | 0.1281 | | 1,799.8104 | 1,799.8104 | 0.1672 | | 1,803.9901 |
| Worker | 1.2368 | 0.9319 | 7.7668 | 0.0257 | 1.1136 | 0.0175 | 1.1311 | 0.3254 | 0.0161 | 0.3415 | | 2,556.8890 | 2,556.8890 | 0.0684 | | 2,558.5991 |
| **Total** | **1.5392** | **8.9463** | **9.5317** | **0.0429** | **1.3277** | **0.0784** | **1.4060** | **0.3953** | **0.0744** | **0.4696** | | **4,356.6994** | **4,356.6994** | **0.2356** | | **4,362.5892** |

# 3.3 Gen-Tie Constrution - 2020

## Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2695 | 13.2014 | 12.0760 | 0.0187 | | 0.6833 | 0.6833 | | 0.6286 | 0.6286 | | 1,815.2755 | 1,815.2755 | 0.5871 | | 1,829.9529 |
| **Total** | **1.2695** | **13.2014** | **12.0760** | **0.0187** | **0.0000** | **0.6833** | **0.6833** | **0.0000** | **0.6286** | **0.6286** | | **1,815.2755** | **1,815.2755** | **0.5871** | | **1,829.9529** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.2506 | 7.3172 | 1.5531 | 0.0171 | 0.2141 | 0.0416 | 0.2556 | 0.0698 | 0.0398 | 0.1096 | | 1,783.7962 | 1,783.7962 | 0.1555 | | 1,787.6846 |
| Worker | 1.1285 | 0.8196 | 6.9134 | 0.0248 | 1.1136 | 0.0171 | 1.1307 | 0.3254 | 0.0157 | 0.3411 | | 2,475.1648 | 2,475.1648 | 0.0595 | | 2,476.6523 |
| **Total** | **1.3790** | **8.1368** | **8.4665** | **0.0419** | **1.3277** | **0.0586** | **1.3863** | **0.3953** | **0.0555** | **0.4507** | | **4,258.9611** | **4,258.9611** | **0.2150** | | **4,264.3370** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fugitive Dust | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.4621 | 9.0666 | 13.9878 | 0.0187 | | 0.4509 | 0.4509 | | 0.4509 | 0.4509 | 0.0000 | 1,815.2755 | 1,815.2755 | 0.5871 | | 1,829.9529 |
| **Total** | **0.4621** | **9.0666** | **13.9878** | **0.0187** | **0.0000** | **0.4509** | **0.4509** | **0.0000** | **0.4509** | **0.4509** | **0.0000** | **1,815.2755** | **1,815.2755** | **0.5871** | | **1,829.9529** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.2506 | 7.3172 | 1.5531 | 0.0171 | 0.2141 | 0.0416 | 0.2556 | 0.0698 | 0.0398 | 0.1096 | | 1,783.7962 | 1,783.7962 | 0.1555 | | 1,787.6846 |
| Worker | 1.1285 | 0.8196 | 6.9134 | 0.0248 | 1.1136 | 0.0171 | 1.1307 | 0.3254 | 0.0157 | 0.3411 | | 2,475.1648 | 2,475.1648 | 0.0595 | | 2,476.6523 |
| **Total** | **1.3790** | **8.1368** | **8.4665** | **0.0419** | **1.3277** | **0.0586** | **1.3863** | **0.3953** | **0.0555** | **0.4507** | | **4,258.9611** | **4,258.9611** | **0.2150** | | **4,264.3370** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.1108 | 1.4754 | 1.1270 | 5.6900e-003 | 0.3107 | 6.3200e-003 | 0.3171 | 0.0835 | 5.9900e-003 | 0.0895 | | 584.0802 | 584.0802 | 0.0460 | | 585.2304 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmitigated | 0.1108 | 1.4754 | 1.1270 | 5.6900e-003 | 0.3107 | 6.3200e-003 | 0.3171 | 0.0835 | 5.9900e-003 | 0.0895 | | 584.0802 | 584.0802 | 0.0460 | | 585.2304 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Unrefrigerated Warehouse-No Rail | 49.20 | 49.20 | 49.20 | 143,640 | 143,640 |
| Total | 49.20 | 49.20 | 49.20 | 143,640 | 143,640 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Unrefrigerated Warehouse-No Rail | 9.50 | 7.30 | 7.30 | 59.00 | 0.00 | 41.00 | 92 | 5 | 3 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.472669 | 0.031291 | 0.166276 | 0.125679 | 0.021211 | 0.006775 | 0.020722 | 0.144029 | 0.001634 | 0.001785 | 0.006011 | 0.000972 | 0.000946 |

# 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Unrefrigerated Warehouse-No Rail | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.1104 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |
| Unmitigated | 1.1104 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.2540 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.8560 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.9000e-004 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |
| **Total** | **1.1104** | **4.0000e-005** | **4.1100e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **8.7500e-003** | **8.7500e-003** | **2.0000e-005** | | **9.3400e-003** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coating | 0.2540 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.8560 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.9000e-004 | 4.0000e-005 | 4.1100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | | 9.3400e-003 |
| **Total** | **1.1104** | **4.0000e-005** | **4.1100e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **8.7500e-003** | **8.7500e-003** | **2.0000e-005** | | **9.3400e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|---|---|---|---|---|---|---|
| Forklifts | 2 | 8.00 | 12 | 89 | 0.20 | Diesel |
| Tractors/Loaders/Backhoes | 2 | 8.00 | 12 | 97 | 0.37 | Diesel |

**UnMitigated/Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Forklifts | 0.2880 | 2.5950 | 2.3605 | 3.0500e-003 | | 0.1933 | 0.1933 | | 0.1779 | 0.1779 | | 296.0617 | 296.0617 | 0.0958 | | 298.4555 |
| Tractors/Loaders/Backhoes | 0.4190 | 4.2103 | 4.5594 | 6.2100e-003 | | 0.2662 | 0.2662 | | 0.2449 | 0.2449 | | 601.5370 | 601.5370 | 0.1946 | | 606.4008 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.7070** | **6.8053** | **6.9199** | **9.2600e-003** | | **0.4596** | **0.4596** | | **0.4228** | **0.4228** | | **897.5987** | **897.5987** | **0.2903** | | **904.8562** |

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---|---|---|---|---|---|---|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|---|---|---|---|---|---|

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# ATTACHMENT B

## *AERMOD Outputs and AAQA*

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 10/9/2017
** File: C:\Lakes\AERMOD View\EAFB_Solar\EAFB_Solar.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\EAFB_Solar\EAFB_Solar.isc
   MODELOPT DFAULT CONC
   AVERTIME 24 PERIOD
   POLLUTID ALL
   RUNORNOT RUN
   ERRORFIL EAFB_Solar.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION AREA1        AREA       395825.796  3869062.113      776.120
** Source Parameters **
   SRCPARAM AREA1        1.2346E-06     5.000   900.000   900.000
0.000     1.400

** Variable Emissions Type: "By Season / Hour / Seven Days (SHRDOW7)"
** Variable Emission Scenario: "Scenario 1"
** Season = Winter;  Day of Week = Monday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Monday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Monday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Monday
```

```
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Tuesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Tuesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Tuesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Tuesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Wednesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Wednesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Wednesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Wednesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Thursday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Thursday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Thursday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Thursday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Friday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Friday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Friday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Friday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Saturday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Saturday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Saturday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Saturday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Sunday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Sunday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Sunday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Sunday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
```

```
   INCLUDED EAFB_Solar.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "723810 - Edwards AFB MetData - CARB\723810.SFC"
   PROFFILE "723810 - Edwards AFB MetData - CARB\723810.PFL"
   SURFDATA 23114 2009
   UAIRDATA 3190 2009
   PROFBASE 704.4 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST EAFB_Solar.AD\24H1GALL.PLT 31
   PLOTFILE PERIOD ALL EAFB_Solar.AD\PE00GALL.PLT 32
   SUMMFILE EAFB_Solar.sum
OU FINISHED

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************
```

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD
View\EAFB_Solar\EAFB_Solar.isc                       ***        10/09/17
 *** AERMET - VERSION  14134 ***   ***
***        18:08:39

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                                                 ***     MODEL SETUP OPTIONS
SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.

 **Other Options Specified:
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  ALL

 **Model Calculates  1 Short Term Average(s) of:  24-HR
     and Calculates PERIOD Averages

 **This Run Includes:      1 Source(s);       1 Source Group(s); and
5302 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      1 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.
```

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 **The AERMET Input Meteorological Data Version Date:  14134

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor
(RECTABLE Keyword)
          Model Outputs External File(s) of High Values for Plotting
(PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values
(SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for
Calm Hours
                                                                  m for
Missing Hours
                                                                  b for
Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   704.40 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC
;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.1 MB of RAM.

 **Detailed Error/Message File:   EAFB_Solar.err
 **File for Summary of Results:   EAFB_Solar.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** AREA SOURCE DATA ***

| SOURCE ID | NUMBER OF AREA CATS. | EMISSION RATE (GRAMS/SEC /METER**2) | COORD (SW CORNER) X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | X-DIM OF AREA (METERS) | Y-DIM OF AREA (METERS) | ORIENT. OF AREA (DEG.) | INIT. SZ (METERS) | URBAN SOURCE BY | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AREA1 | 0 | 0.12346E-05 | 395825.8 | 3869062.1 | 776.1 | 5.00 | 900.00 | 900.00 | 0.00 | 1.40 | NO | SHRDOW7 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|---|---|
| ALL | AREA1 , |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW7) *

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                              SEASON = WINTER;  DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              SEASON = SPRING;  DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              SEASON = SUMMER;  DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              SEASON =  FALL ;  DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              SEASON = WINTER;  DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = FRIDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
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```
                                                SEASON = SPRING;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396724.5, 3869038.5,     771.0,     771.0,       0.0);         (
396699.6, 3869038.5,     771.0,     771.0,       0.0);
     ( 396674.7, 3869038.5,     771.0,     771.0,       0.0);         (
396649.9, 3869038.5,     771.0,     771.0,       0.0);
     ( 396625.0, 3869038.5,     771.0,     771.0,       0.0);         (
396600.1, 3869038.5,     771.0,     771.0,       0.0);
     ( 396575.2, 3869038.5,     771.0,     771.0,       0.0);         (
396550.3, 3869038.5,     771.0,     771.0,       0.0);
     ( 396525.5, 3869038.5,     771.0,     771.0,       0.0);         (
396500.6, 3869038.5,     771.0,     771.0,       0.0);
     ( 396475.7, 3869038.5,     771.0,     771.0,       0.0);         (
396450.8, 3869038.5,     771.3,     771.3,       0.0);
     ( 396425.9, 3869038.5,     772.0,     772.0,       0.0);         (
396401.0, 3869038.5,     772.0,     772.0,       0.0);
     ( 396376.2, 3869038.5,     772.0,     772.0,       0.0);         (
396351.3, 3869038.5,     772.0,     772.0,       0.0);
     ( 396326.4, 3869038.5,     772.2,     772.2,       0.0);         (
396301.5, 3869038.5,     772.6,     772.6,       0.0);
     ( 396276.6, 3869038.5,     773.0,     773.0,       0.0);         (
396251.8, 3869038.5,     773.0,     773.0,       0.0);
     ( 396226.9, 3869038.5,     773.0,     773.0,       0.0);         (
396202.0, 3869038.5,     773.6,     773.6,       0.0);
     ( 396177.1, 3869038.5,     774.0,     774.0,       0.0);         (
396152.2, 3869038.5,     774.0,     774.0,       0.0);
     ( 396127.4, 3869038.5,     774.0,     774.0,       0.0);         (
396102.5, 3869038.5,     774.0,     774.0,       0.0);
     ( 396077.6, 3869038.5,     774.0,     774.0,       0.0);         (
396052.7, 3869038.5,     774.6,     774.6,       0.0);
     ( 396027.8, 3869038.5,     775.0,     775.0,       0.0);         (
396003.0, 3869038.5,     775.0,     775.0,       0.0);
     ( 395978.1, 3869038.5,     775.0,     775.0,       0.0);         (
395953.2, 3869038.5,     775.0,     775.0,       0.0);
     ( 395928.3, 3869038.5,     775.7,     775.7,       0.0);         (
395903.4, 3869038.5,     776.0,     776.0,       0.0);
     ( 395878.5, 3869038.5,     776.0,     776.0,       0.0);         (
395853.7, 3869038.5,     776.0,     776.0,       0.0);
     ( 395828.8, 3869038.5,     776.0,     776.0,       0.0);         (
396742.2, 3869020.8,     770.6,     770.6,       0.0);
     ( 396767.2, 3869045.8,     770.5,     770.5,       0.0);         (
396699.6, 3869013.5,     771.0,     771.0,       0.0);
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( 396674.7, 3869013.5, 771.0, 771.0, 0.0); (
396649.9, 3869013.5, 771.0, 771.0, 0.0);
( 396625.0, 3869013.5, 771.0, 771.0, 0.0); (
396600.1, 3869013.5, 771.0, 771.0, 0.0);
( 396575.2, 3869013.5, 771.0, 771.0, 0.0); (
396550.3, 3869013.5, 771.0, 771.0, 0.0);
( 396525.5, 3869013.5, 771.0, 771.0, 0.0); (
396500.6, 3869013.5, 771.0, 771.0, 0.0);
( 396475.7, 3869013.5, 771.0, 771.0, 0.0); (
396450.8, 3869013.5, 771.2, 771.2, 0.0);
( 396425.9, 3869013.5, 771.6, 771.6, 0.0); (
396401.0, 3869013.5, 772.0, 772.0, 0.0);
( 396376.2, 3869013.5, 772.0, 772.0, 0.0); (
396351.3, 3869013.5, 772.0, 772.0, 0.0);
( 396326.4, 3869013.5, 772.0, 772.0, 0.0); (
396301.5, 3869013.5, 772.2, 772.2, 0.0);
( 396276.6, 3869013.5, 772.6, 772.6, 0.0); (
396251.8, 3869013.5, 773.0, 773.0, 0.0);
( 396226.9, 3869013.5, 773.0, 773.0, 0.0); (
396202.0, 3869013.5, 773.6, 773.6, 0.0);
( 396177.1, 3869013.5, 774.0, 774.0, 0.0); (
396152.2, 3869013.5, 774.0, 774.0, 0.0);
( 396127.4, 3869013.5, 774.0, 774.0, 0.0); (
396102.5, 3869013.5, 774.0, 774.0, 0.0);
( 396077.6, 3869013.5, 774.0, 774.0, 0.0); (
396052.7, 3869013.5, 774.6, 774.6, 0.0);
( 396027.8, 3869013.5, 775.0, 775.0, 0.0); (
396003.0, 3869013.5, 775.0, 775.0, 0.0);
( 395978.1, 3869013.5, 775.0, 775.0, 0.0); (
395953.2, 3869013.5, 775.0, 775.0, 0.0);
( 395928.3, 3869013.5, 775.7, 775.7, 0.0); (
395903.4, 3869013.5, 776.0, 776.0, 0.0);
( 395878.5, 3869013.5, 776.0, 776.0, 0.0); (
395853.7, 3869013.5, 776.0, 776.0, 0.0);
( 395828.8, 3869013.5, 776.0, 776.0, 0.0); (
396742.2, 3868995.8, 770.6, 770.6, 0.0);
( 396784.8, 3869028.1, 770.0, 770.0, 0.0); (
396699.6, 3868988.5, 771.0, 771.0, 0.0);
( 396674.7, 3868988.5, 771.0, 771.0, 0.0); (
396649.9, 3868988.5, 771.0, 771.0, 0.0);
( 396625.0, 3868988.5, 771.0, 771.0, 0.0); (
396600.1, 3868988.5, 771.0, 771.0, 0.0);
( 396575.2, 3868988.5, 771.0, 771.0, 0.0); (
396550.3, 3868988.5, 771.0, 771.0, 0.0);
( 396525.5, 3868988.5, 771.0, 771.0, 0.0); (
396500.6, 3868988.5, 771.0, 771.0, 0.0);
( 396475.7, 3868988.5, 771.0, 771.0, 0.0); (
396450.8, 3868988.5, 771.0, 771.0, 0.0);
( 396425.9, 3868988.5, 771.1, 771.1, 0.0); (
396401.0, 3868988.5, 771.7, 771.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396376.2, 3868988.5,     771.9,     771.9,       0.0);         (
396351.3, 3868988.5,     772.0,     772.0,       0.0);
     ( 396326.4, 3868988.5,     772.0,     772.0,       0.0);         (
396301.5, 3868988.5,     772.0,     802.0,       0.0);
     ( 396276.6, 3868988.5,     772.1,     802.0,       0.0);         (
396251.8, 3868988.5,     772.7,     802.0,       0.0);
     ( 396226.9, 3868988.5,     772.9,     802.0,       0.0);         (
396202.0, 3868988.5,     773.4,     802.0,       0.0);
     ( 396177.1, 3868988.5,     773.9,     802.0,       0.0);         (
396152.2, 3868988.5,     774.0,     802.0,       0.0);
     ( 396127.4, 3868988.5,     774.0,     802.0,       0.0);         (
396102.5, 3868988.5,     774.0,     802.0,       0.0);
     ( 396077.6, 3868988.5,     774.0,     802.0,       0.0);         (
396052.7, 3868988.5,     774.6,     774.6,       0.0);
     ( 396027.8, 3868988.5,     775.0,     775.0,       0.0);         (
396003.0, 3868988.5,     775.0,     775.0,       0.0);
     ( 395978.1, 3868988.5,     775.0,     775.0,       0.0);         (
395953.2, 3868988.5,     775.0,     775.0,       0.0);
     ( 395928.3, 3868988.5,     775.7,     775.7,       0.0);         (
395903.4, 3868988.5,     776.0,     776.0,       0.0);
     ( 395878.5, 3868988.5,     776.0,     776.0,       0.0);         (
395853.7, 3868988.5,     776.0,     776.0,       0.0);
     ( 395828.8, 3868988.5,     776.0,     776.0,       0.0);         (
396742.2, 3868970.8,     770.1,     770.1,       0.0);
     ( 396777.5, 3868985.4,     770.0,     770.0,       0.0);         (
396802.5, 3869010.4,     770.0,     770.0,       0.0);
     ( 396817.2, 3869045.8,     770.0,     770.0,       0.0);         (
396699.6, 3868963.5,     770.9,     770.9,       0.0);
     ( 396674.7, 3868963.5,     770.9,     770.9,       0.0);         (
396649.9, 3868963.5,     771.0,     771.0,       0.0);
     ( 396625.0, 3868963.5,     771.0,     771.0,       0.0);         (
396600.1, 3868963.5,     771.0,     771.0,       0.0);
     ( 396575.2, 3868963.5,     771.0,     771.0,       0.0);         (
396550.3, 3868963.5,     771.0,     771.0,       0.0);
     ( 396525.5, 3868963.5,     771.0,     771.0,       0.0);         (
396500.6, 3868963.5,     771.0,     771.0,       0.0);
     ( 396475.7, 3868963.5,     771.0,     771.0,       0.0);         (
396450.8, 3868963.5,     771.0,     771.0,       0.0);
     ( 396425.9, 3868963.5,     771.0,     771.0,       0.0);         (
396401.0, 3868963.5,     771.0,     771.0,       0.0);
```

( 396376.2, 3868963.5, 771.7, 771.7, 0.0); (
396351.3, 3868963.5, 771.9, 771.9, 0.0);
( 396326.4, 3868963.5, 772.0, 802.0, 0.0); (
396301.5, 3868963.5, 772.0, 802.0, 0.0);
( 396276.6, 3868963.5, 772.0, 802.0, 0.0); (
396251.8, 3868963.5, 772.0, 802.0, 0.0);
( 396226.9, 3868963.5, 772.8, 802.0, 0.0); (
396202.0, 3868963.5, 773.0, 802.0, 0.0);
( 396177.1, 3868963.5, 773.4, 802.0, 0.0); (
396152.2, 3868963.5, 774.0, 802.0, 0.0);
( 396127.4, 3868963.5, 774.0, 802.0, 0.0); (
396102.5, 3868963.5, 774.0, 802.0, 0.0);
( 396077.6, 3868963.5, 774.0, 802.0, 0.0); (
396052.7, 3868963.5, 774.5, 802.0, 0.0);
( 396027.8, 3868963.5, 775.0, 801.0, 0.0); (
396003.0, 3868963.5, 775.0, 775.0, 0.0);
( 395978.1, 3868963.5, 775.0, 775.0, 0.0); (
395953.2, 3868963.5, 775.1, 775.1, 0.0);
( 395928.3, 3868963.5, 775.7, 775.7, 0.0); (
395903.4, 3868963.5, 776.0, 776.0, 0.0);
( 395878.5, 3868963.5, 776.0, 776.0, 0.0); (
395853.7, 3868963.5, 776.0, 776.0, 0.0);
( 395828.8, 3868963.5, 776.0, 776.0, 0.0); (
396745.7, 3868922.3, 770.0, 770.0, 0.0);
( 396766.9, 3868931.0, 770.0, 770.0, 0.0); (
396788.1, 3868939.8, 770.0, 770.0, 0.0);
( 396809.3, 3868948.6, 770.0, 770.0, 0.0); (
396839.3, 3868978.6, 770.0, 770.0, 0.0);
( 396848.1, 3868999.8, 770.0, 770.0, 0.0); (
396856.9, 3869021.0, 770.0, 770.0, 0.0);
( 396865.7, 3869042.2, 770.0, 770.0, 0.0); (
396724.5, 3868913.5, 770.0, 770.0, 0.0);
( 396699.6, 3868913.5, 770.0, 770.0, 0.0); (
396674.7, 3868913.5, 770.0, 770.0, 0.0);
( 396649.9, 3868913.5, 770.2, 770.2, 0.0); (
396625.0, 3868913.5, 770.6, 770.6, 0.0);
( 396600.1, 3868913.5, 771.0, 771.0, 0.0); (
396575.2, 3868913.5, 771.0, 771.0, 0.0);
( 396550.3, 3868913.5, 771.0, 771.0, 0.0); (
396525.5, 3868913.5, 771.0, 771.0, 0.0);
( 396500.6, 3868913.5, 771.0, 771.0, 0.0); (
396475.7, 3868913.5, 771.0, 771.0, 0.0);
( 396450.8, 3868913.5, 771.0, 771.0, 0.0); (
396425.9, 3868913.5, 771.0, 771.0, 0.0);
( 396401.0, 3868913.5, 771.0, 802.0, 0.0); (
396376.2, 3868913.5, 771.0, 802.0, 0.0);
( 396351.3, 3868913.5, 771.0, 802.0, 0.0); (
396326.4, 3868913.5, 771.1, 802.0, 0.0);
( 396301.5, 3868913.5, 771.3, 802.0, 0.0); (
396276.6, 3868913.5, 771.3, 802.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396251.8, 3868913.5, 771.9, 802.0, 0.0); ( 396226.9, 3868913.5, 772.8, 802.0, 0.0);
( 396202.0, 3868913.5, 773.0, 802.0, 0.0); ( 396177.1, 3868913.5, 773.4, 802.0, 0.0);
( 396152.2, 3868913.5, 774.0, 802.0, 0.0); ( 396127.4, 3868913.5, 774.0, 802.0, 0.0);
( 396102.5, 3868913.5, 774.0, 802.0, 0.0); ( 396077.6, 3868913.5, 774.0, 802.0, 0.0);
( 396052.7, 3868913.5, 774.0, 802.0, 0.0); ( 396027.8, 3868913.5, 774.4, 802.0, 0.0);
( 396003.0, 3868913.5, 775.2, 802.0, 0.0); ( 395978.1, 3868913.5, 775.8, 802.0, 0.0);
( 395953.2, 3868913.5, 776.0, 776.0, 0.0); ( 395928.3, 3868913.5, 776.0, 776.0, 0.0);
( 395903.4, 3868913.5, 776.0, 776.0, 0.0); ( 395878.5, 3868913.5, 776.0, 776.0, 0.0);
( 395853.7, 3868913.5, 776.0, 776.0, 0.0); ( 395828.8, 3868913.5, 776.0, 776.0, 0.0);
( 396744.7, 3868871.8, 770.0, 770.0, 0.0); ( 396785.1, 3868888.6, 770.0, 770.0, 0.0);
( 396825.5, 3868905.3, 770.0, 770.0, 0.0); ( 396874.3, 3868942.2, 770.0, 770.0, 0.0);
( 396891.0, 3868982.6, 770.0, 770.0, 0.0); ( 396907.8, 3869023.1, 770.0, 770.0, 0.0);
( 396699.6, 3868863.5, 770.0, 770.0, 0.0); ( 396674.7, 3868863.5, 770.0, 770.0, 0.0);
( 396649.9, 3868863.5, 770.0, 770.0, 0.0); ( 396625.0, 3868863.5, 770.0, 770.0, 0.0);
( 396600.1, 3868863.5, 770.3, 770.3, 0.0); ( 396575.2, 3868863.5, 771.0, 771.0, 0.0);
( 396550.3, 3868863.5, 771.0, 771.0, 0.0); ( 396525.5, 3868863.5, 771.0, 771.0, 0.0);
( 396500.6, 3868863.5, 771.0, 771.0, 0.0); ( 396475.7, 3868863.5, 771.0, 771.0, 0.0);
( 396450.8, 3868863.5, 771.0, 771.0, 0.0); ( 396425.9, 3868863.5, 771.0, 802.0, 0.0);
( 396401.0, 3868863.5, 771.0, 802.0, 0.0); ( 396376.2, 3868863.5, 771.0, 802.0, 0.0);
( 396351.3, 3868863.5, 771.0, 802.0, 0.0); ( 396326.4, 3868863.5, 771.0, 802.0, 0.0);

( 396301.5, 3868863.5, 771.3, 802.0, 0.0); (
396276.6, 3868863.5, 772.0, 802.0, 0.0);
( 396251.8, 3868863.5, 772.4, 802.0, 0.0); (
396226.9, 3868863.5, 773.4, 802.0, 0.0);
( 396202.0, 3868863.5, 774.4, 802.0, 0.0); (
396177.1, 3868863.5, 775.2, 802.0, 0.0);
( 396152.2, 3868863.5, 775.8, 802.0, 0.0); (
396127.4, 3868863.5, 775.8, 802.0, 0.0);
( 396102.5, 3868863.5, 776.3, 802.0, 0.0); (
396077.6, 3868863.5, 776.4, 802.0, 0.0);
( 396052.7, 3868863.5, 776.4, 802.0, 0.0); (
396027.8, 3868863.5, 776.4, 802.0, 0.0);
( 396003.0, 3868863.5, 776.4, 802.0, 0.0); (
395978.1, 3868863.5, 776.4, 802.0, 0.0);
( 395953.2, 3868863.5, 776.0, 802.0, 0.0); (
395928.3, 3868863.5, 776.0, 801.0, 0.0);
( 395903.4, 3868863.5, 776.0, 776.0, 0.0); (
395878.5, 3868863.5, 776.0, 776.0, 0.0);
( 395853.7, 3868863.5, 776.0, 776.0, 0.0); (
395828.8, 3868863.5, 776.0, 776.0, 0.0);
( 396746.6, 3868822.6, 770.0, 770.0, 0.0); (
396768.7, 3868831.8, 770.0, 770.0, 0.0);
( 396790.8, 3868840.9, 770.0, 770.0, 0.0); (
396812.9, 3868850.1, 770.0, 770.0, 0.0);
( 396835.0, 3868859.2, 769.7, 769.7, 0.0); (
396857.1, 3868868.4, 769.6, 769.6, 0.0);
( 396879.2, 3868877.5, 769.1, 769.1, 0.0); (
396910.4, 3868908.8, 769.0, 769.0, 0.0);
( 396919.6, 3868930.9, 769.0, 769.0, 0.0); (
396928.7, 3868953.0, 769.2, 769.2, 0.0);
( 396937.9, 3868975.1, 769.0, 769.0, 0.0); (
396947.0, 3868997.2, 769.0, 769.0, 0.0);
( 396956.2, 3869019.3, 769.0, 769.0, 0.0); (
396965.3, 3869041.4, 769.0, 769.0, 0.0);
( 396724.5, 3868813.5, 770.0, 770.0, 0.0); (
396699.6, 3868813.5, 770.0, 770.0, 0.0);
( 396674.7, 3868813.5, 770.0, 770.0, 0.0); (
396649.9, 3868813.5, 770.0, 770.0, 0.0);
( 396625.0, 3868813.5, 770.0, 770.0, 0.0); (
396600.1, 3868813.5, 770.0, 770.0, 0.0);
( 396575.2, 3868813.5, 770.1, 770.1, 0.0); (
396550.3, 3868813.5, 771.0, 771.0, 0.0);
( 396525.5, 3868813.5, 771.0, 771.0, 0.0); (
396500.6, 3868813.5, 771.0, 771.0, 0.0);
( 396475.7, 3868813.5, 771.0, 771.0, 0.0); (
396450.8, 3868813.5, 771.0, 802.0, 0.0);
( 396425.9, 3868813.5, 771.0, 802.0, 0.0); (
396401.0, 3868813.5, 771.0, 802.0, 0.0);
( 396376.2, 3868813.5, 771.0, 802.0, 0.0); (
396351.3, 3868813.5, 771.0, 802.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396326.4, 3868813.5, 771.5, 802.0, 0.0); ( 396301.5, 3868813.5, 772.3, 802.0, 0.0);
( 396276.6, 3868813.5, 773.2, 802.0, 0.0); ( 396251.8, 3868813.5, 774.1, 802.0, 0.0);
( 396226.9, 3868813.5, 775.7, 802.0, 0.0); ( 396202.0, 3868813.5, 778.0, 802.0, 0.0);
( 396177.1, 3868813.5, 779.7, 802.0, 0.0); ( 396152.2, 3868813.5, 780.3, 802.0, 0.0);
( 396127.4, 3868813.5, 780.3, 802.0, 0.0); ( 396102.5, 3868813.5, 780.3, 802.0, 0.0);
( 396077.6, 3868813.5, 779.5, 802.0, 0.0); ( 396052.7, 3868813.5, 779.1, 802.0, 0.0);
( 396027.8, 3868813.5, 778.7, 802.0, 0.0); ( 396003.0, 3868813.5, 777.8, 802.0, 0.0);
( 395978.1, 3868813.5, 777.1, 802.0, 0.0); ( 395953.2, 3868813.5, 777.0, 802.0, 0.0);
( 395928.3, 3868813.5, 776.3, 802.0, 0.0); ( 395903.4, 3868813.5, 776.0, 801.0, 0.0);
( 395878.5, 3868813.5, 776.0, 776.0, 0.0); ( 395853.7, 3868813.5, 776.0, 776.0, 0.0);
( 395828.8, 3868813.5, 776.0, 776.0, 0.0); ( 396745.9, 3868739.0, 769.4, 769.4, 0.0);
( 396767.3, 3868747.9, 769.0, 769.0, 0.0); ( 396788.8, 3868756.8, 769.0, 769.0, 0.0);
( 396810.2, 3868765.6, 769.0, 769.0, 0.0); ( 396831.6, 3868774.5, 769.0, 769.0, 0.0);
( 396853.1, 3868783.4, 769.0, 769.0, 0.0); ( 396874.5, 3868792.3, 769.0, 769.0, 0.0);
( 396895.9, 3868801.1, 769.0, 769.0, 0.0); ( 396917.3, 3868810.0, 769.0, 769.0, 0.0);
( 396938.8, 3868818.9, 769.0, 769.0, 0.0); ( 396969.1, 3868849.2, 769.0, 769.0, 0.0);
( 396978.0, 3868870.6, 769.0, 769.0, 0.0); ( 396986.8, 3868892.0, 769.0, 769.0, 0.0);
( 396995.7, 3868913.5, 769.0, 769.0, 0.0); ( 397004.6, 3868934.9, 769.0, 769.0, 0.0);
( 397013.5, 3868956.3, 769.0, 769.0, 0.0); ( 397022.3, 3868977.8, 769.0, 769.0, 0.0);
( 397031.2, 3868999.2, 769.0, 769.0, 0.0); ( 397040.1, 3869020.6, 769.0, 769.0, 0.0);

( 397049.0, 3869042.0, 769.0, 769.0, 0.0); (
396724.5, 3868730.1, 770.0, 770.0, 0.0);
( 396699.6, 3868730.1, 770.0, 770.0, 0.0); (
396674.7, 3868730.1, 770.0, 770.0, 0.0);
( 396649.9, 3868730.1, 770.0, 770.0, 0.0); (
396625.0, 3868730.1, 770.0, 770.0, 0.0);
( 396600.1, 3868730.1, 770.0, 770.0, 0.0); (
396575.2, 3868730.1, 770.1, 770.1, 0.0);
( 396550.3, 3868730.1, 771.0, 771.0, 0.0); (
396525.5, 3868730.1, 771.0, 771.0, 0.0);
( 396500.6, 3868730.1, 771.0, 771.0, 0.0); (
396475.7, 3868730.1, 771.4, 771.4, 0.0);
( 396450.8, 3868730.1, 771.9, 802.0, 0.0); (
396425.9, 3868730.1, 772.0, 802.0, 0.0);
( 396401.0, 3868730.1, 772.0, 802.0, 0.0); (
396376.2, 3868730.1, 773.3, 802.0, 0.0);
( 396351.3, 3868730.1, 773.8, 802.0, 0.0); (
396326.4, 3868730.1, 774.7, 802.0, 0.0);
( 396301.5, 3868730.1, 776.4, 802.0, 0.0); (
396276.6, 3868730.1, 778.1, 802.0, 0.0);
( 396251.8, 3868730.1, 780.5, 802.0, 0.0); (
396226.9, 3868730.1, 785.1, 802.0, 0.0);
( 396202.0, 3868730.1, 792.5, 802.0, 0.0); (
396177.1, 3868730.1, 798.5, 802.0, 0.0);
( 396152.2, 3868730.1, 800.8, 802.0, 0.0); (
396127.4, 3868730.1, 799.4, 801.0, 0.0);
( 396102.5, 3868730.1, 793.9, 802.0, 0.0); (
396077.6, 3868730.1, 787.8, 802.0, 0.0);
( 396052.7, 3868730.1, 783.7, 802.0, 0.0); (
396027.8, 3868730.1, 781.2, 802.0, 0.0);
( 396003.0, 3868730.1, 779.6, 802.0, 0.0); (
395978.1, 3868730.1, 777.9, 802.0, 0.0);
( 395953.2, 3868730.1, 777.1, 802.0, 0.0); (
395928.3, 3868730.1, 776.3, 802.0, 0.0);
( 395903.4, 3868730.1, 775.1, 802.0, 0.0); (
395878.5, 3868730.1, 774.6, 801.0, 0.0);
( 395853.7, 3868730.1, 775.0, 775.0, 0.0); (
395828.8, 3868730.1, 775.0, 775.0, 0.0);
( 396747.2, 3868656.2, 769.0, 769.0, 0.0); (
396769.8, 3868665.6, 769.0, 769.0, 0.0);
( 396792.5, 3868675.0, 769.0, 769.0, 0.0); (
396815.1, 3868684.3, 769.0, 769.0, 0.0);
( 396837.8, 3868693.7, 769.0, 769.0, 0.0); (
396860.5, 3868703.1, 769.0, 769.0, 0.0);
( 396883.1, 3868712.5, 769.0, 769.0, 0.0); (
396905.8, 3868721.9, 769.0, 769.0, 0.0);
( 396928.5, 3868731.3, 769.0, 769.0, 0.0); (
396951.1, 3868740.7, 769.0, 769.0, 0.0);
( 396973.8, 3868750.1, 769.0, 769.0, 0.0); (
396996.5, 3868759.4, 769.0, 769.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 397028.5, 3868791.5,     769.0,     769.0,       0.0);         (
397037.9, 3868814.2,     769.0,     769.0,       0.0);
     ( 397047.3, 3868836.8,     769.0,     769.0,       0.0);         (
397056.7, 3868859.5,     769.0,     769.0,       0.0);
     ( 397066.1, 3868882.1,     769.0,     769.0,       0.0);         (
397075.5, 3868904.8,     769.0,     769.0,       0.0);
     ( 397084.8, 3868927.5,     769.0,     769.0,       0.0);         (
397094.2, 3868950.1,     769.0,     769.0,       0.0);
     ( 397103.6, 3868972.8,     769.0,     769.0,       0.0);         (
397113.0, 3868995.5,     769.0,     769.0,       0.0);
     ( 397122.4, 3869018.1,     769.0,     769.0,       0.0);         (
397131.8, 3869040.8,     769.0,     769.0,       0.0);
     ( 396724.5, 3868646.8,     769.1,     769.1,       0.0);         (
396699.6, 3868646.8,     769.4,     769.4,       0.0);
     ( 396674.7, 3868646.8,     769.9,     769.9,       0.0);         (
396649.9, 3868646.8,     770.0,     770.0,       0.0);
     ( 396625.0, 3868646.8,     770.0,     770.0,       0.0);         (
396600.1, 3868646.8,     770.3,     770.3,       0.0);
     ( 396575.2, 3868646.8,     771.0,     771.0,       0.0);         (
396550.3, 3868646.8,     771.0,     771.0,       0.0);
     ( 396525.5, 3868646.8,     771.0,     771.0,       0.0);         (
396500.6, 3868646.8,     771.6,     771.6,       0.0);
     ( 396475.7, 3868646.8,     772.0,     772.0,       0.0);         (
396450.8, 3868646.8,     772.0,     772.0,       0.0);
     ( 396425.9, 3868646.8,     772.1,     802.0,       0.0);         (
396401.0, 3868646.8,     772.9,     802.0,       0.0);
     ( 396376.2, 3868646.8,     773.8,     802.0,       0.0);         (
396351.3, 3868646.8,     774.0,     802.0,       0.0);
     ( 396326.4, 3868646.8,     774.9,     802.0,       0.0);         (
396301.5, 3868646.8,     776.8,     802.0,       0.0);
     ( 396276.6, 3868646.8,     779.4,     802.0,       0.0);         (
396251.8, 3868646.8,     782.8,     802.0,       0.0);
     ( 396226.9, 3868646.8,     787.3,     802.0,       0.0);         (
396202.0, 3868646.8,     787.3,     802.0,       0.0);
     ( 396177.1, 3868646.8,     786.4,     802.0,       0.0);         (
396152.2, 3868646.8,     786.7,     802.0,       0.0);
     ( 396127.4, 3868646.8,     786.9,     802.0,       0.0);         (
396102.5, 3868646.8,     785.1,     802.0,       0.0);
     ( 396077.6, 3868646.8,     782.9,     802.0,       0.0);         (
396052.7, 3868646.8,     781.4,     802.0,       0.0);
```

( 396027.8, 3868646.8, 780.2, 802.0, 0.0); (
396003.0, 3868646.8, 778.9, 802.0, 0.0);
( 395978.1, 3868646.8, 777.3, 802.0, 0.0); (
395953.2, 3868646.8, 775.6, 802.0, 0.0);
( 395928.3, 3868646.8, 774.7, 802.0, 0.0); (
395903.4, 3868646.8, 774.2, 802.0, 0.0);
( 395878.5, 3868646.8, 774.0, 801.0, 0.0); (
395853.7, 3868646.8, 774.0, 774.0, 0.0);
( 395828.8, 3868646.8, 774.0, 774.0, 0.0); (
396746.6, 3868572.6, 768.9, 768.9, 0.0);
( 396768.7, 3868581.8, 768.7, 768.7, 0.0); (
396790.8, 3868590.9, 768.0, 768.0, 0.0);
( 396812.9, 3868600.1, 768.0, 768.0, 0.0); (
396835.0, 3868609.2, 768.0, 768.0, 0.0);
( 396857.1, 3868618.4, 768.0, 768.0, 0.0); (
396879.2, 3868627.5, 768.0, 768.0, 0.0);
( 396901.3, 3868636.7, 768.0, 768.0, 0.0); (
396923.4, 3868645.8, 768.0, 768.0, 0.0);
( 396945.5, 3868655.0, 768.0, 768.0, 0.0); (
396967.6, 3868664.1, 768.0, 768.0, 0.0);
( 396989.7, 3868673.3, 768.0, 768.0, 0.0); (
397011.8, 3868682.4, 768.0, 768.0, 0.0);
( 397033.8, 3868691.6, 768.0, 768.0, 0.0); (
397056.0, 3868700.8, 768.0, 768.0, 0.0);
( 397087.2, 3868732.0, 768.0, 768.0, 0.0); (
397096.3, 3868754.1, 768.0, 768.0, 0.0);
( 397105.5, 3868776.2, 768.7, 768.7, 0.0); (
397114.7, 3868798.3, 769.0, 769.0, 0.0);
( 397123.8, 3868820.4, 768.9, 768.9, 0.0); (
397133.0, 3868842.5, 769.0, 769.0, 0.0);
( 397142.1, 3868864.6, 769.0, 769.0, 0.0); (
397151.3, 3868886.7, 768.9, 768.9, 0.0);
( 397160.4, 3868908.8, 768.7, 768.7, 0.0); (
397169.6, 3868930.9, 768.9, 768.9, 0.0);
( 397178.7, 3868953.0, 769.0, 769.0, 0.0); (
397187.9, 3868975.1, 769.0, 769.0, 0.0);
( 397197.0, 3868997.2, 769.0, 769.0, 0.0); (
397206.2, 3869019.3, 769.6, 769.6, 0.0);
( 397215.3, 3869041.3, 769.6, 769.6, 0.0); (
396724.5, 3868563.5, 769.0, 769.0, 0.0);
( 396699.6, 3868563.5, 769.0, 769.0, 0.0); (
396674.7, 3868563.5, 769.0, 769.0, 0.0);
( 396649.9, 3868563.5, 769.4, 769.4, 0.0); (
396625.0, 3868563.5, 769.8, 769.8, 0.0);
( 396600.1, 3868563.5, 770.0, 770.0, 0.0); (
396575.2, 3868563.5, 770.1, 770.1, 0.0);
( 396550.3, 3868563.5, 770.6, 770.6, 0.0); (
396525.5, 3868563.5, 770.9, 770.9, 0.0);
( 396500.6, 3868563.5, 771.0, 771.0, 0.0); (
396475.7, 3868563.5, 771.5, 771.5, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396450.8, 3868563.5,     772.0,     772.0,       0.0);         (
396425.9, 3868563.5,     772.1,     772.1,       0.0);
     ( 396401.0, 3868563.5,     772.6,     802.0,       0.0);         (
396376.2, 3868563.5,     772.9,     802.0,       0.0);
     ( 396351.3, 3868563.5,     773.4,     802.0,       0.0);         (
396326.4, 3868563.5,     773.8,     802.0,       0.0);
     ( 396301.5, 3868563.5,     774.2,     802.0,       0.0);         (
396276.6, 3868563.5,     774.8,     802.0,       0.0);
     ( 396251.8, 3868563.5,     776.6,     802.0,       0.0);         (
396226.9, 3868563.5,     776.5,     802.0,       0.0);
     ( 396202.0, 3868563.5,     776.0,     802.0,       0.0);         (
396177.1, 3868563.5,     775.8,     802.0,       0.0);
     ( 396152.2, 3868563.5,     775.9,     802.0,       0.0);         (
396127.4, 3868563.5,     776.1,     802.0,       0.0);
     ( 396102.5, 3868563.5,     775.3,     802.0,       0.0);         (
396077.6, 3868563.5,     775.2,     802.0,       0.0);
     ( 396052.7, 3868563.5,     775.2,     802.0,       0.0);         (
396027.8, 3868563.5,     775.3,     802.0,       0.0);
     ( 396003.0, 3868563.5,     775.4,     802.0,       0.0);         (
395978.1, 3868563.5,     774.6,     802.0,       0.0);
     ( 395953.2, 3868563.5,     774.1,     802.0,       0.0);         (
395928.3, 3868563.5,     774.0,     801.0,       0.0);
     ( 395903.4, 3868563.5,     774.0,     774.0,       0.0);         (
395878.5, 3868563.5,     774.0,     774.0,       0.0);
     ( 395853.7, 3868563.5,     774.0,     774.0,       0.0);         (
395828.8, 3868563.5,     774.0,     774.0,       0.0);
     ( 396746.6, 3868322.6,     767.8,     767.8,       0.0);         (
396768.7, 3868331.8,     767.9,     767.9,       0.0);
     ( 396790.8, 3868340.9,     768.0,     768.0,       0.0);         (
396812.9, 3868350.1,     767.6,     767.6,       0.0);
     ( 396835.0, 3868359.2,     767.4,     767.4,       0.0);         (
396857.1, 3868368.4,     767.0,     767.0,       0.0);
     ( 396879.2, 3868377.5,     767.0,     767.0,       0.0);         (
396901.3, 3868386.7,     767.0,     767.0,       0.0);
     ( 396923.4, 3868395.8,     767.0,     767.0,       0.0);         (
396945.5, 3868405.0,     767.0,     767.0,       0.0);
     ( 396967.6, 3868414.1,     767.0,     767.0,       0.0);         (
396989.7, 3868423.3,     767.0,     767.0,       0.0);
     ( 397011.8, 3868432.4,     767.0,     767.0,       0.0);         (
397033.8, 3868441.6,     766.9,     766.9,       0.0);
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( 397056.0, 3868450.8, 766.9, 766.9, 0.0); (
397078.0, 3868459.9, 767.0, 767.0, 0.0);
( 397100.1, 3868469.1, 766.8, 766.8, 0.0); (
397122.2, 3868478.2, 766.7, 766.7, 0.0);
( 397144.3, 3868487.4, 766.2, 766.2, 0.0); (
397166.4, 3868496.5, 766.2, 766.2, 0.0);
( 397188.5, 3868505.7, 766.0, 766.0, 0.0); (
397210.6, 3868514.8, 766.9, 766.9, 0.0);
( 397232.7, 3868524.0, 766.7, 766.7, 0.0); (
397264.0, 3868555.2, 766.9, 766.9, 0.0);
( 397273.1, 3868577.3, 766.9, 766.9, 0.0); (
397282.3, 3868599.4, 766.9, 766.9, 0.0);
( 397291.4, 3868621.5, 766.9, 766.9, 0.0); (
397300.6, 3868643.6, 767.0, 767.0, 0.0);
( 397309.7, 3868665.7, 767.1, 767.1, 0.0); (
397318.9, 3868687.8, 767.1, 767.1, 0.0);
( 397328.0, 3868709.9, 767.2, 767.2, 0.0); (
397337.2, 3868732.0, 767.2, 767.2, 0.0);
( 397346.3, 3868754.1, 767.5, 767.5, 0.0); (
397355.5, 3868776.2, 767.5, 767.5, 0.0);
( 397364.7, 3868798.3, 767.6, 767.6, 0.0); (
397373.8, 3868820.4, 767.8, 767.8, 0.0);
( 397383.0, 3868842.5, 768.1, 768.1, 0.0); (
397392.1, 3868864.6, 768.1, 768.1, 0.0);
( 397401.3, 3868886.7, 768.2, 768.2, 0.0); (
397410.4, 3868908.8, 768.2, 768.2, 0.0);
( 397419.6, 3868930.9, 768.1, 768.1, 0.0); (
397428.7, 3868953.0, 768.1, 768.1, 0.0);
( 397437.9, 3868975.0, 768.1, 768.1, 0.0); (
397447.0, 3868997.1, 768.1, 768.1, 0.0);
( 397456.2, 3869019.2, 768.1, 768.1, 0.0); (
397465.3, 3869041.3, 768.1, 768.1, 0.0);
( 396724.5, 3868313.5, 768.0, 768.0, 0.0); (
396699.6, 3868313.5, 768.0, 768.0, 0.0);
( 396674.7, 3868313.5, 768.0, 768.0, 0.0); (
396649.9, 3868313.5, 768.0, 768.0, 0.0);
( 396625.0, 3868313.5, 768.0, 768.0, 0.0); (
396600.1, 3868313.5, 768.0, 768.0, 0.0);
( 396575.2, 3868313.5, 768.1, 768.1, 0.0); (
396550.3, 3868313.5, 769.0, 769.0, 0.0);
( 396525.5, 3868313.5, 769.0, 769.0, 0.0); (
396500.6, 3868313.5, 769.2, 769.2, 0.0);
( 396475.7, 3868313.5, 769.6, 769.6, 0.0); (
396450.8, 3868313.5, 770.0, 770.0, 0.0);
( 396425.9, 3868313.5, 770.0, 770.0, 0.0); (
396401.0, 3868313.5, 770.0, 770.0, 0.0);
( 396376.2, 3868313.5, 770.2, 770.2, 0.0); (
396351.3, 3868313.5, 770.7, 770.7, 0.0);
( 396326.4, 3868313.5, 771.0, 771.0, 0.0); (
396301.5, 3868313.5, 771.0, 771.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396276.6, 3868313.5, 771.0, 771.0, 0.0); ( 396251.8, 3868313.5, 771.0, 771.0, 0.0);
( 396226.9, 3868313.5, 771.0, 771.0, 0.0); ( 396202.0, 3868313.5, 771.0, 771.0, 0.0);
( 396177.1, 3868313.5, 770.6, 770.6, 0.0); ( 396152.2, 3868313.5, 770.0, 770.0, 0.0);
( 396127.4, 3868313.5, 770.0, 770.0, 0.0); ( 396102.5, 3868313.5, 770.0, 770.0, 0.0);
( 396077.6, 3868313.5, 770.5, 770.5, 0.0); ( 396052.7, 3868313.5, 770.9, 770.9, 0.0);
( 396027.8, 3868313.5, 771.0, 771.0, 0.0); ( 396003.0, 3868313.5, 771.2, 771.2, 0.0);
( 395978.1, 3868313.5, 772.0, 772.0, 0.0); ( 395953.2, 3868313.5, 772.0, 772.0, 0.0);
( 395928.3, 3868313.5, 772.7, 772.7, 0.0); ( 395903.4, 3868313.5, 773.0, 773.0, 0.0);
( 395878.5, 3868313.5, 773.0, 773.0, 0.0); ( 395853.7, 3868313.5, 773.0, 773.0, 0.0);
( 395828.8, 3868313.5, 773.0, 773.0, 0.0); ( 396747.3, 3868072.9, 766.8, 766.8, 0.0);
( 396770.1, 3868082.4, 766.3, 766.3, 0.0); ( 396792.9, 3868091.8, 766.0, 766.0, 0.0);
( 396815.7, 3868101.3, 766.0, 766.0, 0.0); ( 396838.5, 3868110.7, 766.0, 766.0, 0.0);
( 396861.4, 3868120.2, 766.0, 766.0, 0.0); ( 396884.2, 3868129.6, 766.0, 766.0, 0.0);
( 396907.0, 3868139.0, 766.0, 766.0, 0.0); ( 396929.8, 3868148.5, 766.0, 766.0, 0.0);
( 396952.6, 3868157.9, 766.0, 766.0, 0.0); ( 396975.4, 3868167.4, 766.0, 766.0, 0.0);
( 396998.2, 3868176.8, 766.0, 766.0, 0.0); ( 397021.0, 3868186.3, 766.0, 766.0, 0.0);
( 397043.8, 3868195.7, 766.0, 766.0, 0.0); ( 397066.6, 3868205.2, 766.0, 766.0, 0.0);
( 397089.5, 3868214.6, 766.0, 766.0, 0.0); ( 397112.3, 3868224.1, 766.0, 766.0, 0.0);
( 397135.1, 3868233.5, 766.0, 766.0, 0.0); ( 397157.9, 3868243.0, 766.0, 766.0, 0.0);
( 397180.7, 3868252.4, 766.0, 766.0, 0.0); ( 397203.5, 3868261.9, 765.8, 765.8, 0.0);

( 397226.3, 3868271.3, 765.8, 765.8, 0.0); (
397249.1, 3868280.8, 765.7, 765.7, 0.0);
( 397271.9, 3868290.2, 765.7, 765.7, 0.0); (
397294.7, 3868299.7, 765.7, 765.7, 0.0);
( 397317.5, 3868309.1, 765.7, 765.7, 0.0); (
397340.3, 3868318.6, 765.6, 765.6, 0.0);
( 397363.2, 3868328.0, 765.5, 765.5, 0.0); (
397386.0, 3868337.4, 765.4, 765.4, 0.0);
( 397408.8, 3868346.9, 765.3, 765.3, 0.0); (
397441.0, 3868379.2, 765.1, 765.1, 0.0);
( 397450.5, 3868402.0, 765.0, 765.0, 0.0); (
397459.9, 3868424.8, 765.0, 765.0, 0.0);
( 397469.4, 3868447.6, 765.3, 765.3, 0.0); (
397478.8, 3868470.4, 765.4, 765.4, 0.0);
( 397488.3, 3868493.2, 765.4, 765.4, 0.0); (
397497.7, 3868516.0, 765.5, 765.5, 0.0);
( 397507.2, 3868538.8, 765.6, 765.6, 0.0); (
397516.6, 3868561.6, 765.6, 765.6, 0.0);
( 397526.1, 3868584.4, 765.5, 765.5, 0.0); (
397535.5, 3868607.2, 765.4, 765.4, 0.0);
( 397545.0, 3868630.1, 765.6, 765.6, 0.0); (
397554.4, 3868652.9, 765.7, 765.7, 0.0);
( 397563.9, 3868675.7, 765.8, 765.8, 0.0); (
397573.3, 3868698.5, 766.0, 766.0, 0.0);
( 397582.8, 3868721.3, 766.2, 766.2, 0.0); (
397592.2, 3868744.1, 766.3, 766.3, 0.0);
( 397601.7, 3868766.9, 766.4, 766.4, 0.0); (
397611.1, 3868789.7, 766.6, 766.6, 0.0);
( 397620.6, 3868812.5, 766.6, 766.6, 0.0); (
397630.0, 3868835.3, 766.8, 766.8, 0.0);
( 397639.5, 3868858.1, 766.9, 766.9, 0.0); (
397648.9, 3868880.9, 766.9, 766.9, 0.0);
( 397658.4, 3868903.8, 767.2, 767.2, 0.0); (
397667.8, 3868926.6, 767.2, 767.2, 0.0);
( 397677.3, 3868949.4, 767.3, 767.3, 0.0); (
397686.7, 3868972.2, 767.5, 767.5, 0.0);
( 397696.1, 3868995.0, 767.5, 767.5, 0.0); (
397705.6, 3869017.8, 767.7, 767.7, 0.0);
( 397715.0, 3869040.6, 767.8, 767.8, 0.0); (
396724.5, 3868063.5, 767.0, 767.0, 0.0);
( 396699.6, 3868063.5, 767.0, 767.0, 0.0); (
396674.7, 3868063.5, 767.0, 767.0, 0.0);
( 396649.9, 3868063.5, 767.6, 767.6, 0.0); (
396625.0, 3868063.5, 768.0, 768.0, 0.0);
( 396600.1, 3868063.5, 768.0, 768.0, 0.0); (
396575.2, 3868063.5, 768.0, 768.0, 0.0);
( 396550.3, 3868063.5, 768.0, 768.0, 0.0); (
396525.5, 3868063.5, 768.8, 768.8, 0.0);
( 396500.6, 3868063.5, 769.0, 769.0, 0.0); (
396475.7, 3868063.5, 769.0, 769.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396450.8, 3868063.5,     769.0,     769.0,       0.0);         (
396425.9, 3868063.5,     769.1,     769.1,       0.0);
     ( 396401.0, 3868063.5,     769.9,     769.9,       0.0);         (
396376.2, 3868063.5,     770.0,     770.0,       0.0);
     ( 396351.3, 3868063.5,     770.0,     770.0,       0.0);         (
396326.4, 3868063.5,     770.0,     770.0,       0.0);
     ( 396301.5, 3868063.5,     770.0,     770.0,       0.0);         (
396276.6, 3868063.5,     770.0,     770.0,       0.0);
     ( 396251.8, 3868063.5,     770.0,     770.0,       0.0);         (
396226.9, 3868063.5,     770.0,     770.0,       0.0);
     ( 396202.0, 3868063.5,     770.0,     770.0,       0.0);         (
396177.1, 3868063.5,     770.0,     770.0,       0.0);
     ( 396152.2, 3868063.5,     770.0,     770.0,       0.0);         (
396127.4, 3868063.5,     770.0,     770.0,       0.0);
     ( 396102.5, 3868063.5,     770.0,     770.0,       0.0);         (
396077.6, 3868063.5,     770.7,     770.7,       0.0);
     ( 396052.7, 3868063.5,     771.0,     771.0,       0.0);         (
396027.8, 3868063.5,     771.0,     771.0,       0.0);
     ( 396003.0, 3868063.5,     771.2,     771.2,       0.0);         (
395978.1, 3868063.5,     772.0,     772.0,       0.0);
     ( 395953.2, 3868063.5,     772.0,     772.0,       0.0);         (
395928.3, 3868063.5,     772.0,     772.0,       0.0);
     ( 395903.4, 3868063.5,     772.0,     772.0,       0.0);         (
395878.5, 3868063.5,     772.4,     772.4,       0.0);
     ( 395853.7, 3868063.5,     773.0,     773.0,       0.0);         (
395828.8, 3868063.5,     773.0,     773.0,       0.0);
     ( 396747.0, 3867672.8,     768.0,     768.0,       0.0);         (
396769.5, 3867682.1,     768.0,     768.0,       0.0);
     ( 396792.0, 3867691.4,     768.0,     768.0,       0.0);         (
396814.5, 3867700.8,     768.0,     768.0,       0.0);
     ( 396837.0, 3867710.1,     768.0,     768.0,       0.0);         (
396859.5, 3867719.4,     768.0,     768.0,       0.0);
     ( 396882.0, 3867728.7,     768.0,     768.0,       0.0);         (
396904.5, 3867738.0,     767.9,     767.9,       0.0);
     ( 396927.0, 3867747.3,     767.2,     767.2,       0.0);         (
396949.5, 3867756.7,     767.0,     767.0,       0.0);
     ( 396972.0, 3867766.0,     766.9,     766.9,       0.0);         (
396994.5, 3867775.3,     766.1,     766.1,       0.0);
     ( 397017.0, 3867784.6,     766.0,     766.0,       0.0);         (
397039.5, 3867793.9,     766.0,     766.0,       0.0);
```

( 397062.0, 3867803.2, 766.0, 766.0, 0.0); ( 397084.5, 3867812.6, 766.0, 766.0, 0.0);
( 397107.0, 3867821.9, 766.0, 766.0, 0.0); ( 397129.5, 3867831.2, 765.8, 765.8, 0.0);
( 397152.0, 3867840.5, 765.5, 765.5, 0.0); ( 397174.5, 3867849.8, 765.9, 765.9, 0.0);
( 397197.0, 3867859.2, 765.0, 765.0, 0.0); ( 397219.5, 3867868.5, 765.0, 765.0, 0.0);
( 397242.0, 3867877.8, 765.0, 765.0, 0.0); ( 397264.5, 3867887.1, 765.0, 765.0, 0.0);
( 397287.0, 3867896.4, 765.0, 765.0, 0.0); ( 397309.5, 3867905.8, 765.0, 765.0, 0.0);
( 397332.0, 3867915.1, 765.0, 765.0, 0.0); ( 397354.5, 3867924.4, 765.0, 765.0, 0.0);
( 397377.0, 3867933.7, 765.0, 765.0, 0.0); ( 397399.5, 3867943.0, 765.0, 765.0, 0.0);
( 397422.0, 3867952.3, 765.0, 765.0, 0.0); ( 397444.5, 3867961.7, 765.0, 765.0, 0.0);
( 397467.0, 3867971.0, 765.0, 765.0, 0.0); ( 397489.4, 3867980.3, 765.0, 765.0, 0.0);
( 397511.9, 3867989.6, 765.0, 765.0, 0.0); ( 397534.4, 3867998.9, 765.0, 765.0, 0.0);
( 397556.9, 3868008.3, 765.0, 765.0, 0.0); ( 397579.4, 3868017.6, 765.0, 765.0, 0.0);
( 397601.9, 3868026.9, 765.0, 765.0, 0.0); ( 397624.4, 3868036.2, 765.0, 765.0, 0.0);
( 397646.9, 3868045.5, 764.9, 764.9, 0.0); ( 397669.4, 3868054.9, 764.7, 764.7, 0.0);
( 397691.9, 3868064.2, 764.7, 764.7, 0.0); ( 397723.8, 3868096.0, 764.7, 764.7, 0.0);
( 397733.1, 3868118.5, 764.7, 764.7, 0.0); ( 397742.4, 3868141.0, 764.7, 764.7, 0.0);
( 397751.7, 3868163.5, 764.7, 764.7, 0.0); ( 397761.0, 3868186.0, 764.6, 764.6, 0.0);
( 397770.3, 3868208.5, 764.5, 764.5, 0.0); ( 397779.7, 3868231.0, 764.4, 764.4, 0.0);
( 397789.0, 3868253.5, 764.4, 764.4, 0.0); ( 397798.3, 3868276.0, 764.4, 764.4, 0.0);
( 397807.6, 3868298.5, 764.4, 764.4, 0.0); ( 397817.0, 3868321.0, 764.4, 764.4, 0.0);
( 397826.3, 3868343.5, 764.4, 764.4, 0.0); ( 397835.6, 3868366.0, 764.4, 764.4, 0.0);
( 397844.9, 3868388.5, 764.4, 764.4, 0.0); ( 397854.2, 3868411.0, 764.4, 764.4, 0.0);
( 397863.5, 3868433.5, 764.4, 764.4, 0.0); ( 397872.9, 3868456.0, 764.4, 764.4, 0.0);
( 397882.2, 3868478.5, 764.4, 764.4, 0.0); ( 397891.5, 3868501.0, 764.4, 764.4, 0.0);
( 397900.8, 3868523.5, 764.5, 764.5, 0.0); ( 397910.1, 3868546.0, 764.6, 764.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 397919.5, 3868568.4, 764.7, 764.7, 0.0); ( 397928.8, 3868590.9, 764.7, 764.7, 0.0);
( 397938.1, 3868613.4, 764.7, 764.7, 0.0); ( 397947.4, 3868635.9, 764.8, 764.8, 0.0);
( 397956.7, 3868658.4, 765.0, 765.0, 0.0); ( 397966.1, 3868680.9, 765.0, 765.0, 0.0);
( 397975.4, 3868703.4, 765.0, 765.0, 0.0); ( 397984.7, 3868725.9, 765.0, 765.0, 0.0);
( 397994.0, 3868748.4, 765.3, 765.3, 0.0); ( 398003.3, 3868770.9, 765.5, 765.5, 0.0);
( 398012.7, 3868793.4, 765.7, 765.7, 0.0); ( 398022.0, 3868815.9, 765.7, 765.7, 0.0);
( 398031.3, 3868838.4, 765.9, 765.9, 0.0); ( 398040.6, 3868860.9, 766.1, 766.1, 0.0);
( 398049.9, 3868883.4, 766.3, 766.3, 0.0); ( 398059.3, 3868905.9, 766.6, 766.6, 0.0);
( 398068.6, 3868928.4, 766.8, 766.8, 0.0); ( 398077.9, 3868950.9, 767.0, 767.0, 0.0);
( 398087.2, 3868973.4, 767.3, 767.3, 0.0); ( 398096.5, 3868995.9, 767.8, 767.8, 0.0);
( 398105.9, 3869018.4, 768.0, 768.0, 0.0); ( 398115.2, 3869040.9, 768.1, 768.1, 0.0);
( 396724.5, 3867663.5, 768.5, 768.5, 0.0); ( 396699.6, 3867663.5, 769.0, 769.0, 0.0);
( 396674.7, 3867663.5, 769.0, 769.0, 0.0); ( 396649.9, 3867663.5, 769.0, 769.0, 0.0);
( 396625.0, 3867663.5, 769.0, 769.0, 0.0); ( 396600.1, 3867663.5, 769.0, 769.0, 0.0);
( 396575.2, 3867663.5, 769.0, 769.0, 0.0); ( 396550.3, 3867663.5, 769.0, 769.0, 0.0);
( 396525.5, 3867663.5, 769.0, 769.0, 0.0); ( 396500.6, 3867663.5, 769.0, 769.0, 0.0);
( 396475.7, 3867663.5, 769.2, 769.2, 0.0); ( 396450.8, 3867663.5, 769.6, 769.6, 0.0);
( 396425.9, 3867663.5, 770.0, 770.0, 0.0); ( 396401.0, 3867663.5, 770.0, 770.0, 0.0);
( 396376.2, 3867663.5, 770.0, 770.0, 0.0); ( 396351.3, 3867663.5, 770.0, 770.0, 0.0);
( 396326.4, 3867663.5, 770.0, 770.0, 0.0); ( 396301.5, 3867663.5, 770.3, 770.3, 0.0);

( 396276.6, 3867663.5, 771.0, 771.0, 0.0); ( 396251.8, 3867663.5, 771.0, 771.0, 0.0);
( 396226.9, 3867663.5, 771.0, 771.0, 0.0); ( 396202.0, 3867663.5, 771.0, 771.0, 0.0);
( 396177.1, 3867663.5, 771.0, 771.0, 0.0); ( 396152.2, 3867663.5, 771.0, 771.0, 0.0);
( 396127.4, 3867663.5, 771.0, 771.0, 0.0); ( 396102.5, 3867663.5, 771.4, 771.4, 0.0);
( 396077.6, 3867663.5, 771.8, 771.8, 0.0); ( 396052.7, 3867663.5, 772.0, 772.0, 0.0);
( 396027.8, 3867663.5, 772.0, 772.0, 0.0); ( 396003.0, 3867663.5, 772.1, 772.1, 0.0);
( 395978.1, 3867663.5, 772.4, 772.4, 0.0); ( 395953.2, 3867663.5, 772.9, 772.9, 0.0);
( 395928.3, 3867663.5, 773.0, 773.0, 0.0); ( 395903.4, 3867663.5, 773.0, 773.0, 0.0);
( 395878.5, 3867663.5, 773.0, 773.0, 0.0); ( 395853.7, 3867663.5, 773.0, 773.0, 0.0);
( 395828.8, 3867663.5, 773.0, 773.0, 0.0); ( 396747.2, 3867272.9, 770.0, 770.0, 0.0);
( 396770.0, 3867282.3, 770.0, 770.0, 0.0); ( 396792.7, 3867291.7, 769.7, 769.7, 0.0);
( 396815.4, 3867301.1, 769.1, 769.1, 0.0); ( 396838.1, 3867310.5, 769.0, 769.0, 0.0);
( 396860.9, 3867319.9, 769.0, 769.0, 0.0); ( 396883.6, 3867329.4, 769.0, 769.0, 0.0);
( 396906.3, 3867338.8, 769.0, 769.0, 0.0); ( 396929.0, 3867348.2, 769.0, 769.0, 0.0);
( 396951.8, 3867357.6, 768.8, 768.8, 0.0); ( 396974.5, 3867367.0, 768.2, 768.2, 0.0);
( 396997.2, 3867376.4, 768.0, 768.0, 0.0); ( 397020.0, 3867385.8, 768.0, 768.0, 0.0);
( 397042.7, 3867395.3, 768.0, 768.0, 0.0); ( 397065.4, 3867404.7, 768.0, 768.0, 0.0);
( 397088.1, 3867414.1, 768.0, 768.0, 0.0); ( 397110.9, 3867423.5, 768.0, 768.0, 0.0);
( 397133.6, 3867432.9, 767.1, 767.1, 0.0); ( 397156.3, 3867442.3, 766.0, 766.0, 0.0);
( 397179.1, 3867451.8, 766.0, 766.0, 0.0); ( 397201.8, 3867461.2, 765.0, 765.0, 0.0);
( 397224.5, 3867470.6, 765.0, 765.0, 0.0); ( 397247.2, 3867480.0, 765.0, 765.0, 0.0);
( 397270.0, 3867489.4, 765.0, 765.0, 0.0); ( 397292.7, 3867498.8, 765.0, 765.0, 0.0);
( 397315.4, 3867508.2, 765.0, 765.0, 0.0); ( 397338.1, 3867517.6, 765.0, 765.0, 0.0);
( 397360.9, 3867527.1, 765.0, 765.0, 0.0); ( 397383.6, 3867536.5, 765.0, 765.0, 0.0);
( 397406.3, 3867545.9, 765.0, 765.0, 0.0); ( 397429.1, 3867555.3, 765.0, 765.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 397451.8, 3867564.7, 765.0, 765.0, 0.0); ( 397474.5, 3867574.1, 765.0, 765.0, 0.0);
( 397497.2, 3867583.5, 765.0, 765.0, 0.0); ( 397520.0, 3867593.0, 765.0, 765.0, 0.0);
( 397542.7, 3867602.4, 765.0, 765.0, 0.0); ( 397565.4, 3867611.8, 765.0, 765.0, 0.0);
( 397588.2, 3867621.2, 765.0, 765.0, 0.0); ( 397610.9, 3867630.6, 765.0, 765.0, 0.0);
( 397633.6, 3867640.0, 765.0, 765.0, 0.0); ( 397656.3, 3867649.4, 765.0, 765.0, 0.0);
( 397679.1, 3867658.8, 765.0, 765.0, 0.0); ( 397701.8, 3867668.3, 765.0, 765.0, 0.0);
( 397724.5, 3867677.7, 765.0, 765.0, 0.0); ( 397747.3, 3867687.1, 765.0, 765.0, 0.0);
( 397770.0, 3867696.5, 764.8, 764.8, 0.0); ( 397792.7, 3867705.9, 764.7, 764.7, 0.0);
( 397815.4, 3867715.3, 764.7, 764.7, 0.0); ( 397838.2, 3867724.8, 764.5, 764.5, 0.0);
( 397860.9, 3867734.2, 764.4, 764.4, 0.0); ( 397883.6, 3867743.6, 764.4, 764.4, 0.0);
( 397906.3, 3867753.0, 764.4, 764.4, 0.0); ( 397929.1, 3867762.4, 764.1, 764.1, 0.0);
( 397951.8, 3867771.8, 764.1, 764.1, 0.0); ( 397974.5, 3867781.2, 764.0, 764.0, 0.0);
( 398006.7, 3867813.4, 763.8, 763.8, 0.0); ( 398016.1, 3867836.1, 763.8, 763.8, 0.0);
( 398025.5, 3867858.8, 763.8, 763.8, 0.0); ( 398034.9, 3867881.6, 763.8, 763.8, 0.0);
( 398044.3, 3867904.3, 763.8, 763.8, 0.0); ( 398053.8, 3867927.0, 763.8, 763.8, 0.0);
( 398063.2, 3867949.7, 763.8, 763.8, 0.0); ( 398072.6, 3867972.5, 763.8, 763.8, 0.0);
( 398082.0, 3867995.2, 763.8, 763.8, 0.0); ( 398091.4, 3868017.9, 763.8, 763.8, 0.0);
( 398100.8, 3868040.6, 763.8, 763.8, 0.0); ( 398110.2, 3868063.4, 763.8, 763.8, 0.0);
( 398119.7, 3868086.1, 763.8, 763.8, 0.0); ( 398129.1, 3868108.8, 763.8, 763.8, 0.0);
( 398138.5, 3868131.6, 763.8, 763.8, 0.0); ( 398147.9, 3868154.3, 763.8, 763.8, 0.0);

( 398157.3, 3868177.0, 763.8, 763.8, 0.0); (
398166.7, 3868199.7, 763.8, 763.8, 0.0);
( 398176.1, 3868222.5, 763.8, 763.8, 0.0); (
398185.6, 3868245.2, 763.8, 763.8, 0.0);
( 398195.0, 3868267.9, 763.8, 763.8, 0.0); (
398204.4, 3868290.6, 763.8, 763.8, 0.0);
( 398213.8, 3868313.4, 763.9, 763.9, 0.0); (
398223.2, 3868336.1, 764.1, 764.1, 0.0);
( 398232.6, 3868358.8, 764.1, 764.1, 0.0); (
398242.0, 3868381.6, 764.1, 764.1, 0.0);
( 398251.5, 3868404.3, 764.1, 764.1, 0.0); (
398260.9, 3868427.0, 764.1, 764.1, 0.0);
( 398270.3, 3868449.8, 764.1, 764.1, 0.0); (
398279.7, 3868472.5, 764.1, 764.1, 0.0);
( 398289.1, 3868495.2, 764.2, 764.2, 0.0); (
398298.5, 3868517.9, 764.3, 764.3, 0.0);
( 398308.0, 3868540.7, 764.4, 764.4, 0.0); (
398317.4, 3868563.4, 764.4, 764.4, 0.0);
( 398326.8, 3868586.1, 764.4, 764.4, 0.0); (
398336.2, 3868608.8, 764.4, 764.4, 0.0);
( 398345.6, 3868631.6, 764.4, 764.4, 0.0); (
398355.0, 3868654.3, 764.4, 764.4, 0.0);
( 398364.5, 3868677.0, 764.6, 764.6, 0.0); (
398373.9, 3868699.8, 764.8, 764.8, 0.0);
( 398383.3, 3868722.5, 764.7, 764.7, 0.0); (
398392.7, 3868745.2, 764.9, 764.9, 0.0);
( 398402.1, 3868767.9, 765.0, 765.0, 0.0); (
398411.5, 3868790.7, 765.0, 765.0, 0.0);
( 398420.9, 3868813.4, 764.9, 764.9, 0.0); (
398430.3, 3868836.1, 765.0, 765.0, 0.0);
( 398439.8, 3868858.8, 765.0, 765.0, 0.0); (
398449.2, 3868881.6, 765.0, 765.0, 0.0);
( 398458.6, 3868904.3, 765.0, 765.0, 0.0); (
398468.0, 3868927.0, 765.0, 765.0, 0.0);
( 398477.4, 3868949.8, 765.2, 765.2, 0.0); (
398486.8, 3868972.5, 765.3, 765.3, 0.0);
( 398496.3, 3868995.2, 765.3, 765.3, 0.0); (
398505.7, 3869017.9, 765.5, 765.5, 0.0);
( 398515.1, 3869040.7, 765.6, 765.6, 0.0); (
396724.5, 3867263.5, 770.0, 770.0, 0.0);
( 396699.6, 3867263.5, 770.0, 770.0, 0.0); (
396674.7, 3867263.5, 770.0, 770.0, 0.0);
( 396649.9, 3867263.5, 770.0, 770.0, 0.0); (
396625.0, 3867263.5, 770.0, 770.0, 0.0);
( 396600.1, 3867263.5, 770.0, 770.0, 0.0); (
396575.2, 3867263.5, 770.0, 770.0, 0.0);
( 396550.3, 3867263.5, 770.0, 770.0, 0.0); (
396525.5, 3867263.5, 770.6, 770.6, 0.0);
( 396500.6, 3867263.5, 770.9, 770.9, 0.0); (
396475.7, 3867263.5, 771.0, 771.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396450.8, 3867263.5, 771.0, 771.0, 0.0); ( 396425.9, 3867263.5, 771.1, 771.1, 0.0);
( 396401.0, 3867263.5, 771.7, 771.7, 0.0); ( 396376.2, 3867263.5, 771.9, 771.9, 0.0);
( 396351.3, 3867263.5, 772.0, 772.0, 0.0); ( 396326.4, 3867263.5, 772.0, 772.0, 0.0);
( 396301.5, 3867263.5, 772.0, 772.0, 0.0); ( 396276.6, 3867263.5, 772.0, 772.0, 0.0);
( 396251.8, 3867263.5, 772.0, 772.0, 0.0); ( 396226.9, 3867263.5, 772.0, 772.0, 0.0);
( 396202.0, 3867263.5, 772.0, 772.0, 0.0); ( 396177.1, 3867263.5, 772.0, 772.0, 0.0);
( 396152.2, 3867263.5, 772.2, 772.2, 0.0); ( 396127.4, 3867263.5, 773.0, 773.0, 0.0);
( 396102.5, 3867263.5, 773.0, 773.0, 0.0); ( 396077.6, 3867263.5, 773.0, 773.0, 0.0);
( 396052.7, 3867263.5, 773.0, 773.0, 0.0); ( 396027.8, 3867263.5, 773.0, 773.0, 0.0);
( 396003.0, 3867263.5, 773.2, 773.2, 0.0); ( 395978.1, 3867263.5, 773.7, 773.7, 0.0);
( 395953.2, 3867263.5, 773.7, 773.7, 0.0); ( 395928.3, 3867263.5, 773.9, 773.9, 0.0);
( 395903.4, 3867263.5, 774.0, 774.0, 0.0); ( 395878.5, 3867263.5, 774.0, 774.0, 0.0);
( 395853.7, 3867263.5, 774.0, 774.0, 0.0); ( 395828.8, 3867263.5, 774.0, 774.0, 0.0);
( 396747.4, 3866872.9, 771.3, 771.3, 0.0); ( 396770.2, 3866882.4, 771.0, 771.0, 0.0);
( 396793.1, 3866891.9, 771.0, 771.0, 0.0); ( 396816.0, 3866901.4, 771.0, 771.0, 0.0);
( 396838.9, 3866910.8, 771.0, 771.0, 0.0); ( 396861.8, 3866920.3, 771.0, 771.0, 0.0);
( 396884.6, 3866929.8, 770.9, 770.9, 0.0); ( 396907.5, 3866939.3, 770.5, 770.5, 0.0);
( 396930.4, 3866948.8, 770.1, 770.1, 0.0); ( 396953.3, 3866958.2, 770.0, 770.0, 0.0);
( 396976.1, 3866967.7, 770.0, 770.0, 0.0); ( 396999.0, 3866977.2, 770.0, 770.0, 0.0);
( 397021.9, 3866986.6, 770.0, 770.0, 0.0); ( 397044.8, 3866996.1, 770.0, 770.0, 0.0);

( 397067.6, 3867005.6, 770.0, 770.0, 0.0); (
397090.5, 3867015.1, 770.0, 770.0, 0.0);
( 397113.4, 3867024.5, 769.1, 769.1, 0.0); (
397136.3, 3867034.0, 769.0, 769.0, 0.0);
( 397159.1, 3867043.5, 768.7, 768.7, 0.0); (
397182.0, 3867053.0, 768.0, 768.0, 0.0);
( 397204.9, 3867062.4, 768.2, 768.2, 0.0); (
397227.8, 3867071.9, 767.9, 767.9, 0.0);
( 397250.7, 3867081.4, 767.6, 767.6, 0.0); (
397273.5, 3867090.9, 767.3, 767.3, 0.0);
( 397296.4, 3867100.4, 767.0, 767.0, 0.0); (
397319.3, 3867109.8, 766.6, 766.6, 0.0);
( 397342.2, 3867119.3, 766.2, 766.2, 0.0); (
397365.0, 3867128.8, 765.7, 765.7, 0.0);
( 397387.9, 3867138.3, 765.4, 765.4, 0.0); (
397410.8, 3867147.7, 765.3, 765.3, 0.0);
( 397433.7, 3867157.2, 765.2, 765.2, 0.0); (
397456.5, 3867166.7, 765.0, 765.0, 0.0);
( 397479.4, 3867176.2, 765.0, 765.0, 0.0); (
397502.3, 3867185.6, 765.0, 765.0, 0.0);
( 397525.2, 3867195.1, 765.0, 765.0, 0.0); (
397548.0, 3867204.6, 765.0, 765.0, 0.0);
( 397570.9, 3867214.1, 765.0, 765.0, 0.0); (
397593.8, 3867223.5, 765.0, 765.0, 0.0);
( 397616.7, 3867233.0, 765.0, 765.0, 0.0); (
397639.6, 3867242.5, 765.0, 765.0, 0.0);
( 397662.4, 3867252.0, 765.0, 765.0, 0.0); (
397685.3, 3867261.4, 765.0, 765.0, 0.0);
( 397708.2, 3867270.9, 765.0, 765.0, 0.0); (
397731.1, 3867280.4, 765.0, 765.0, 0.0);
( 397753.9, 3867289.9, 765.0, 765.0, 0.0); (
397776.8, 3867299.3, 765.0, 765.0, 0.0);
( 397799.7, 3867308.8, 765.0, 765.0, 0.0); (
397822.6, 3867318.3, 765.0, 765.0, 0.0);
( 397845.5, 3867327.8, 765.0, 765.0, 0.0); (
397868.3, 3867337.2, 765.0, 765.0, 0.0);
( 397891.2, 3867346.7, 764.8, 764.8, 0.0); (
397914.1, 3867356.2, 764.7, 764.7, 0.0);
( 397937.0, 3867365.7, 764.7, 764.7, 0.0); (
397959.8, 3867375.1, 764.7, 764.7, 0.0);
( 397982.7, 3867384.6, 764.7, 764.7, 0.0); (
398005.6, 3867394.1, 764.7, 764.7, 0.0);
( 398028.5, 3867403.6, 764.7, 764.7, 0.0); (
398051.3, 3867413.0, 764.6, 764.6, 0.0);
( 398074.2, 3867422.5, 764.5, 764.5, 0.0); (
398097.1, 3867432.0, 764.4, 764.4, 0.0);
( 398120.0, 3867441.5, 764.4, 764.4, 0.0); (
398142.8, 3867450.9, 764.4, 764.4, 0.0);
( 398165.7, 3867460.4, 764.2, 764.2, 0.0); (
398188.6, 3867469.9, 764.1, 764.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 398211.5, 3867479.4,     764.1,     764.1,       0.0);         (
398234.3, 3867488.8,     764.1,     764.1,       0.0);
     ( 398257.2, 3867498.3,     764.1,     764.1,       0.0);         (
398289.6, 3867530.7,     764.1,     764.1,       0.0);
     ( 398299.0, 3867553.5,     764.1,     764.1,       0.0);         (
398308.5, 3867576.4,     764.1,     764.1,       0.0);
     ( 398318.0, 3867599.3,     764.0,     764.0,       0.0);         (
398327.5, 3867622.2,     763.9,     763.9,       0.0);
     ( 398337.0, 3867645.1,     763.8,     763.8,       0.0);         (
398346.4, 3867667.9,     763.8,     763.8,       0.0);
     ( 398355.9, 3867690.8,     763.8,     763.8,       0.0);         (
398365.4, 3867713.7,     763.8,     763.8,       0.0);
     ( 398374.9, 3867736.6,     763.8,     763.8,       0.0);         (
398384.3, 3867759.4,     763.8,     763.8,       0.0);
     ( 398393.8, 3867782.3,     763.8,     763.8,       0.0);         (
398403.3, 3867805.2,     763.8,     763.8,       0.0);
     ( 398412.8, 3867828.1,     763.8,     763.8,       0.0);         (
398422.2, 3867850.9,     763.8,     763.8,       0.0);
     ( 398431.7, 3867873.8,     763.8,     763.8,       0.0);         (
398441.2, 3867896.7,     763.8,     763.8,       0.0);
     ( 398450.7, 3867919.6,     763.8,     763.8,       0.0);         (
398460.1, 3867942.4,     763.8,     763.8,       0.0);
     ( 398469.6, 3867965.3,     763.8,     763.8,       0.0);         (
398479.1, 3867988.2,     763.8,     763.8,       0.0);
     ( 398488.6, 3868011.1,     763.8,     763.8,       0.0);         (
398498.1, 3868033.9,     763.8,     763.8,       0.0);
     ( 398507.5, 3868056.8,     763.8,     763.8,       0.0);         (
398517.0, 3868079.7,     763.8,     763.8,       0.0);
     ( 398526.5, 3868102.6,     763.8,     763.8,       0.0);         (
398536.0, 3868125.4,     763.8,     763.8,       0.0);
     ( 398545.4, 3868148.3,     763.8,     763.8,       0.0);         (
398554.9, 3868171.2,     763.8,     763.8,       0.0);
     ( 398564.4, 3868194.1,     763.8,     763.8,       0.0);         (
398573.9, 3868217.0,     763.7,     763.7,       0.0);
     ( 398583.3, 3868239.8,     763.6,     763.6,       0.0);         (
398592.8, 3868262.7,     763.5,     763.5,       0.0);
     ( 398602.3, 3868285.6,     763.5,     763.5,       0.0);         (
398611.8, 3868308.5,     763.5,     763.5,       0.0);
     ( 398621.2, 3868331.3,     763.5,     763.5,       0.0);         (
398630.7, 3868354.2,     763.5,     763.5,       0.0);
```

( 398640.2, 3868377.1, 763.5, 763.5, 0.0); (
398649.7, 3868400.0, 763.5, 763.5, 0.0);
( 398659.2, 3868422.8, 763.5, 763.5, 0.0); (
398668.6, 3868445.7, 763.5, 763.5, 0.0);
( 398678.1, 3868468.6, 763.5, 763.5, 0.0); (
398687.6, 3868491.5, 763.5, 763.5, 0.0);
( 398697.1, 3868514.3, 763.5, 763.5, 0.0); (
398706.5, 3868537.2, 763.3, 763.3, 0.0);
( 398716.0, 3868560.1, 763.2, 763.2, 0.0); (
398725.5, 3868583.0, 763.2, 763.2, 0.0);
( 398735.0, 3868605.8, 763.2, 763.2, 0.0); (
398744.5, 3868628.7, 763.2, 763.2, 0.0);
( 398753.9, 3868651.6, 763.2, 763.2, 0.0); (
398763.4, 3868674.5, 763.2, 763.2, 0.0);
( 398772.9, 3868697.3, 763.2, 763.2, 0.0); (
398782.3, 3868720.2, 763.2, 763.2, 0.0);
( 398791.8, 3868743.1, 763.2, 763.2, 0.0); (
398801.3, 3868766.0, 763.2, 763.2, 0.0);
( 398810.8, 3868788.9, 763.2, 763.2, 0.0); (
398820.3, 3868811.7, 763.2, 763.2, 0.0);
( 398829.7, 3868834.6, 763.4, 763.4, 0.0); (
398839.2, 3868857.5, 763.6, 763.6, 0.0);
( 398848.7, 3868880.4, 763.7, 763.7, 0.0); (
398858.2, 3868903.2, 763.8, 763.8, 0.0);
( 398867.6, 3868926.1, 764.1, 764.1, 0.0); (
398877.1, 3868949.0, 764.4, 764.4, 0.0);
( 398886.6, 3868971.9, 764.5, 764.5, 0.0); (
398896.1, 3868994.7, 764.8, 764.8, 0.0);
( 398905.5, 3869017.6, 765.0, 765.0, 0.0); (
398915.0, 3869040.5, 765.0, 765.0, 0.0);
( 396724.5, 3866863.5, 772.0, 772.0, 0.0); (
396699.6, 3866863.5, 772.0, 772.0, 0.0);
( 396674.7, 3866863.5, 772.0, 772.0, 0.0); (
396649.9, 3866863.5, 772.0, 772.0, 0.0);
( 396625.0, 3866863.5, 772.0, 772.0, 0.0); (
396600.1, 3866863.5, 772.0, 772.0, 0.0);
( 396575.2, 3866863.5, 772.0, 772.0, 0.0); (
396550.3, 3866863.5, 772.0, 772.0, 0.0);
( 396525.5, 3866863.5, 772.0, 772.0, 0.0); (
396500.6, 3866863.5, 772.0, 772.0, 0.0);
( 396475.7, 3866863.5, 772.0, 772.0, 0.0); (
396450.8, 3866863.5, 772.0, 772.0, 0.0);
( 396425.9, 3866863.5, 772.0, 772.0, 0.0); (
396401.0, 3866863.5, 772.0, 772.0, 0.0);
( 396376.2, 3866863.5, 772.0, 772.0, 0.0); (
396351.3, 3866863.5, 772.0, 772.0, 0.0);
( 396326.4, 3866863.5, 772.0, 772.0, 0.0); (
396301.5, 3866863.5, 772.3, 772.3, 0.0);
( 396276.6, 3866863.5, 773.0, 773.0, 0.0); (
396251.8, 3866863.5, 773.0, 773.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396226.9, 3866863.5,     773.0,     773.0,       0.0);         (
396202.0, 3866863.5,     773.0,     773.0,       0.0);
     ( 396177.1, 3866863.5,     773.0,     773.0,       0.0);         (
396152.2, 3866863.5,     773.0,     773.0,       0.0);
     ( 396127.4, 3866863.5,     773.0,     773.0,       0.0);         (
396102.5, 3866863.5,     773.1,     773.1,       0.0);
     ( 396077.6, 3866863.5,     773.8,     773.8,       0.0);         (
396052.7, 3866863.5,     774.0,     774.0,       0.0);
     ( 396027.8, 3866863.5,     774.0,     774.0,       0.0);         (
396003.0, 3866863.5,     774.0,     774.0,       0.0);
     ( 395978.1, 3866863.5,     774.0,     774.0,       0.0);         (
395953.2, 3866863.5,     774.0,     774.0,       0.0);
     ( 395928.3, 3866863.5,     774.0,     774.0,       0.0);         (
395903.4, 3866863.5,     774.5,     774.5,       0.0);
     ( 395878.5, 3866863.5,     775.0,     775.0,       0.0);         (
395853.7, 3866863.5,     775.0,     775.0,       0.0);
     ( 395828.8, 3866863.5,     775.0,     775.0,       0.0);         (
396747.5, 3866473.0,     774.0,     774.0,       0.0);
     ( 396770.5, 3866482.5,     774.0,     774.0,       0.0);         (
396793.4, 3866492.0,     774.0,     774.0,       0.0);
     ( 396816.4, 3866501.5,     774.0,     774.0,       0.0);         (
396839.4, 3866511.1,     774.0,     774.0,       0.0);
     ( 396862.4, 3866520.6,     774.0,     774.0,       0.0);         (
396885.4, 3866530.1,     774.0,     774.0,       0.0);
     ( 396908.3, 3866539.6,     774.0,     774.0,       0.0);         (
396931.3, 3866549.1,     774.0,     774.0,       0.0);
     ( 396954.3, 3866558.7,     774.0,     774.0,       0.0);         (
396977.3, 3866568.2,     773.9,     773.9,       0.0);
     ( 397000.3, 3866577.7,     773.6,     773.6,       0.0);         (
397023.2, 3866587.2,     773.8,     773.8,       0.0);
     ( 397046.2, 3866596.7,     774.0,     774.0,       0.0);         (
397069.2, 3866606.2,     773.6,     773.6,       0.0);
     ( 397092.2, 3866615.8,     773.3,     773.3,       0.0);         (
397115.2, 3866625.3,     773.0,     773.0,       0.0);
     ( 397138.1, 3866634.8,     773.0,     773.0,       0.0);         (
397161.1, 3866644.3,     773.0,     773.0,       0.0);
     ( 397184.1, 3866653.8,     772.1,     772.1,       0.0);         (
397207.1, 3866663.4,     772.3,     772.3,       0.0);
     ( 397230.1, 3866672.9,     772.1,     772.1,       0.0);         (
397253.0, 3866682.4,     771.8,     771.8,       0.0);
```

( 397276.0, 3866691.9, 771.6, 771.6, 0.0); (
397299.0, 3866701.4, 771.3, 771.3, 0.0);
( 397322.0, 3866710.9, 771.0, 771.0, 0.0); (
397345.0, 3866720.5, 771.0, 771.0, 0.0);
( 397368.0, 3866730.0, 771.1, 771.1, 0.0); (
397390.9, 3866739.5, 771.2, 771.2, 0.0);
( 397413.9, 3866749.0, 771.1, 771.1, 0.0); (
397436.9, 3866758.5, 770.9, 770.9, 0.0);
( 397459.9, 3866768.1, 770.7, 770.7, 0.0); (
397482.9, 3866777.6, 770.5, 770.5, 0.0);
( 397505.8, 3866787.1, 770.4, 770.4, 0.0); (
397528.8, 3866796.6, 770.3, 770.3, 0.0);
( 397551.8, 3866806.1, 770.1, 770.1, 0.0); (
397574.8, 3866815.7, 769.8, 769.8, 0.0);
( 397597.8, 3866825.2, 769.7, 769.7, 0.0); (
397620.7, 3866834.7, 769.6, 769.6, 0.0);
( 397643.7, 3866844.2, 769.4, 769.4, 0.0); (
397666.7, 3866853.7, 769.1, 769.1, 0.0);
( 397689.7, 3866863.2, 769.0, 769.0, 0.0); (
397712.7, 3866872.8, 768.7, 768.7, 0.0);
( 397735.6, 3866882.3, 768.5, 768.5, 0.0); (
397758.6, 3866891.8, 768.4, 768.4, 0.0);
( 397781.6, 3866901.3, 768.3, 768.3, 0.0); (
397804.6, 3866910.8, 768.1, 768.1, 0.0);
( 397827.6, 3866920.4, 768.1, 768.1, 0.0); (
397850.5, 3866929.9, 768.0, 768.0, 0.0);
( 397873.5, 3866939.4, 767.9, 767.9, 0.0); (
397896.5, 3866948.9, 767.9, 767.9, 0.0);
( 397919.5, 3866958.4, 767.8, 767.8, 0.0); (
397942.5, 3866967.9, 767.7, 767.7, 0.0);
( 397965.4, 3866977.5, 767.5, 767.5, 0.0); (
397988.4, 3866987.0, 767.2, 767.2, 0.0);
( 398011.4, 3866996.5, 767.1, 767.1, 0.0); (
398034.4, 3867006.0, 766.8, 766.8, 0.0);
( 398057.4, 3867015.5, 766.6, 766.6, 0.0); (
398080.3, 3867025.1, 766.5, 766.5, 0.0);
( 398103.3, 3867034.6, 766.1, 766.1, 0.0); (
398126.3, 3867044.1, 766.0, 766.0, 0.0);
( 398149.3, 3867053.6, 765.8, 765.8, 0.0); (
398172.3, 3867063.1, 765.4, 765.4, 0.0);
( 398195.2, 3867072.7, 765.1, 765.1, 0.0); (
398218.2, 3867082.2, 765.0, 765.0, 0.0);
( 398241.2, 3867091.7, 765.0, 765.0, 0.0); (
398264.2, 3867101.2, 765.0, 765.0, 0.0);
( 398287.2, 3867110.7, 765.0, 765.0, 0.0); (
398310.1, 3867120.2, 765.0, 765.0, 0.0);
( 398333.1, 3867129.8, 765.2, 765.2, 0.0); (
398356.1, 3867139.3, 765.3, 765.3, 0.0);
( 398379.1, 3867148.8, 765.2, 765.2, 0.0); (
398402.1, 3867158.3, 765.1, 765.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 398425.0, 3867167.8,     765.0,     765.0,       0.0);         (
398448.0, 3867177.4,     765.0,     765.0,       0.0);
     ( 398471.0, 3867186.9,     765.0,     765.0,       0.0);         (
398494.0, 3867196.4,     765.0,     765.0,       0.0);
     ( 398517.0, 3867205.9,     765.0,     765.0,       0.0);         (
398540.0, 3867215.4,     765.0,     765.0,       0.0);
     ( 398572.5, 3867247.9,     764.8,     764.8,       0.0);         (
398582.0, 3867270.9,     764.7,     764.7,       0.0);
     ( 398591.5, 3867293.9,     764.7,     764.7,       0.0);         (
398601.0, 3867316.9,     764.7,     764.7,       0.0);
     ( 398610.5, 3867339.8,     764.7,     764.7,       0.0);         (
398620.0, 3867362.8,     764.7,     764.7,       0.0);
     ( 398629.6, 3867385.8,     764.7,     764.7,       0.0);         (
398639.1, 3867408.8,     764.6,     764.6,       0.0);
     ( 398648.6, 3867431.8,     764.5,     764.5,       0.0);         (
398658.1, 3867454.8,     764.5,     764.5,       0.0);
     ( 398667.6, 3867477.7,     764.4,     764.4,       0.0);         (
398677.2, 3867500.7,     764.4,     764.4,       0.0);
     ( 398686.7, 3867523.7,     764.4,     764.4,       0.0);         (
398696.2, 3867546.7,     764.4,     764.4,       0.0);
     ( 398705.7, 3867569.6,     764.4,     764.4,       0.0);         (
398715.2, 3867592.6,     764.4,     764.4,       0.0);
     ( 398724.8, 3867615.6,     764.4,     764.4,       0.0);         (
398734.3, 3867638.6,     764.4,     764.4,       0.0);
     ( 398743.8, 3867661.6,     764.4,     764.4,       0.0);         (
398753.3, 3867684.5,     764.4,     764.4,       0.0);
     ( 398762.8, 3867707.5,     764.4,     764.4,       0.0);         (
398772.4, 3867730.5,     764.2,     764.2,       0.0);
     ( 398781.9, 3867753.5,     764.2,     764.2,       0.0);         (
398791.4, 3867776.5,     764.1,     764.1,       0.0);
     ( 398800.9, 3867799.4,     764.1,     764.1,       0.0);         (
398810.4, 3867822.4,     764.1,     764.1,       0.0);
     ( 398820.0, 3867845.4,     764.1,     764.1,       0.0);         (
398829.5, 3867868.4,     764.0,     764.0,       0.0);
     ( 398839.0, 3867891.4,     763.8,     763.8,       0.0);         (
398848.5, 3867914.3,     763.8,     763.8,       0.0);
     ( 398858.0, 3867937.3,     763.8,     763.8,       0.0);         (
398867.6, 3867960.3,     763.8,     763.8,       0.0);
     ( 398877.1, 3867983.3,     763.8,     763.8,       0.0);         (
398886.6, 3868006.3,     763.8,     763.8,       0.0);
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( 398896.1, 3868029.2, 763.8, 763.8, 0.0); (
398905.6, 3868052.2, 763.8, 763.8, 0.0);
( 398915.2, 3868075.2, 763.7, 763.7, 0.0); (
398924.7, 3868098.2, 763.5, 763.5, 0.0);
( 398934.2, 3868121.2, 763.5, 763.5, 0.0); (
398943.7, 3868144.1, 763.5, 763.5, 0.0);
( 398953.2, 3868167.1, 763.5, 763.5, 0.0); (
398962.8, 3868190.1, 763.5, 763.5, 0.0);
( 398972.3, 3868213.1, 763.5, 763.5, 0.0); (
398981.8, 3868236.1, 763.5, 763.5, 0.0);
( 398991.3, 3868259.0, 763.4, 763.4, 0.0); (
399000.8, 3868282.0, 763.2, 763.2, 0.0);
( 399010.4, 3868305.0, 763.2, 763.2, 0.0); (
399019.9, 3868328.0, 763.2, 763.2, 0.0);
( 399029.4, 3868351.0, 763.2, 763.2, 0.0); (
399038.9, 3868373.9, 763.1, 763.1, 0.0);
( 399048.4, 3868396.9, 762.9, 762.9, 0.0); (
399058.0, 3868419.9, 762.9, 762.9, 0.0);
( 399067.5, 3868442.9, 762.9, 762.9, 0.0); (
399077.0, 3868465.9, 762.9, 762.9, 0.0);
( 399086.5, 3868488.8, 762.9, 762.9, 0.0); (
399096.0, 3868511.8, 762.9, 762.9, 0.0);
( 399105.5, 3868534.8, 762.9, 762.9, 0.0); (
399115.1, 3868557.8, 762.9, 762.9, 0.0);
( 399124.6, 3868580.8, 762.9, 762.9, 0.0); (
399134.1, 3868603.8, 762.9, 762.9, 0.0);
( 399143.6, 3868626.7, 762.9, 762.9, 0.0); (
399153.1, 3868649.7, 762.9, 762.9, 0.0);
( 399162.7, 3868672.7, 762.9, 762.9, 0.0); (
399172.2, 3868695.7, 762.9, 762.9, 0.0);
( 399181.7, 3868718.6, 762.9, 762.9, 0.0); (
399191.2, 3868741.6, 763.1, 763.1, 0.0);
( 399200.8, 3868764.6, 763.2, 763.2, 0.0); (
399210.3, 3868787.6, 763.2, 763.2, 0.0);
( 399219.8, 3868810.6, 763.5, 763.5, 0.0); (
399229.3, 3868833.5, 763.5, 763.5, 0.0);
( 399238.8, 3868856.5, 763.6, 763.6, 0.0); (
399248.3, 3868879.5, 763.5, 763.5, 0.0);
( 399257.9, 3868902.5, 763.5, 763.5, 0.0); (
399267.4, 3868925.5, 763.5, 763.5, 0.0);
( 399276.9, 3868948.4, 763.7, 763.7, 0.0); (
399286.4, 3868971.4, 763.8, 763.8, 0.0);
( 399295.9, 3868994.4, 763.8, 763.8, 0.0); (
399305.5, 3869017.4, 763.8, 763.8, 0.0);
( 399315.0, 3869040.4, 763.8, 763.8, 0.0); (
396724.5, 3866463.5, 774.0, 774.0, 0.0);
( 396699.6, 3866463.5, 774.0, 774.0, 0.0); (
396674.7, 3866463.5, 774.0, 774.0, 0.0);
( 396649.9, 3866463.5, 774.0, 774.0, 0.0); (
396625.0, 3866463.5, 774.0, 774.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396600.1, 3866463.5,     774.0,     774.0,       0.0);         (
396575.2, 3866463.5,     774.0,     774.0,       0.0);
     ( 396550.3, 3866463.5,     774.0,     774.0,       0.0);         (
396525.5, 3866463.5,     774.0,     774.0,       0.0);
     ( 396500.6, 3866463.5,     774.0,     774.0,       0.0);         (
396475.7, 3866463.5,     774.0,     774.0,       0.0);
     ( 396450.8, 3866463.5,     774.0,     774.0,       0.0);         (
396425.9, 3866463.5,     774.0,     774.0,       0.0);
     ( 396401.0, 3866463.5,     774.0,     774.0,       0.0);         (
396376.2, 3866463.5,     774.0,     774.0,       0.0);
     ( 396351.3, 3866463.5,     774.0,     774.0,       0.0);         (
396326.4, 3866463.5,     774.0,     774.0,       0.0);
     ( 396301.5, 3866463.5,     774.0,     774.0,       0.0);         (
396276.6, 3866463.5,     774.0,     774.0,       0.0);
     ( 396251.8, 3866463.5,     774.0,     774.0,       0.0);         (
396226.9, 3866463.5,     774.0,     774.0,       0.0);
     ( 396202.0, 3866463.5,     774.0,     774.0,       0.0);         (
396177.1, 3866463.5,     774.0,     774.0,       0.0);
     ( 396152.2, 3866463.5,     774.1,     774.1,       0.0);         (
396127.4, 3866463.5,     774.4,     774.4,       0.0);
     ( 396102.5, 3866463.5,     774.9,     774.9,       0.0);         (
396077.6, 3866463.5,     775.0,     775.0,       0.0);
     ( 396052.7, 3866463.5,     775.0,     775.0,       0.0);         (
396027.8, 3866463.5,     775.0,     775.0,       0.0);
     ( 396003.0, 3866463.5,     775.0,     775.0,       0.0);         (
395978.1, 3866463.5,     775.0,     775.0,       0.0);
     ( 395953.2, 3866463.5,     775.3,     775.3,       0.0);         (
395928.3, 3866463.5,     775.8,     775.8,       0.0);
     ( 395903.4, 3866463.5,     776.0,     776.0,       0.0);         (
395878.5, 3866463.5,     776.0,     776.0,       0.0);
     ( 395853.7, 3866463.5,     776.0,     776.0,       0.0);         (
395828.8, 3866463.5,     776.0,     776.0,       0.0);
     ( 395803.8, 3869063.4,     776.9,     776.9,       0.0);         (
395803.7, 3869088.3,     776.9,     776.9,       0.0);
     ( 395803.7, 3869113.2,     776.9,     776.9,       0.0);         (
395803.6, 3869138.1,     777.0,     777.0,       0.0);
     ( 395803.5, 3869163.0,     777.0,     777.0,       0.0);         (
395803.5, 3869187.9,     777.0,     777.0,       0.0);
     ( 395803.4, 3869212.8,     777.0,     777.0,       0.0);         (
395803.3, 3869237.6,     777.0,     777.0,       0.0);
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( 395803.3, 3869262.5, 777.0, 1245.0, 0.0); (
395803.2, 3869287.4, 777.0, 1275.0, 0.0);
( 395803.2, 3869312.3, 777.0, 1275.0, 0.0); (
395803.1, 3869337.2, 777.0, 1275.0, 0.0);
( 395803.0, 3869362.1, 777.0, 1275.0, 0.0); (
395803.0, 3869387.0, 777.0, 1275.0, 0.0);
( 395802.9, 3869411.9, 777.0, 1275.0, 0.0); (
395802.8, 3869436.8, 777.0, 1275.0, 0.0);
( 395802.8, 3869461.6, 777.0, 1275.0, 0.0); (
395802.7, 3869486.5, 777.0, 1275.0, 0.0);
( 395802.7, 3869511.4, 777.0, 1275.0, 0.0); (
395802.6, 3869536.3, 777.0, 1275.0, 0.0);
( 395802.5, 3869561.2, 777.0, 1275.0, 0.0); (
395802.5, 3869586.1, 777.0, 1275.0, 0.0);
( 395802.4, 3869611.0, 777.5, 1275.0, 0.0); (
395802.3, 3869635.9, 777.9, 1275.0, 0.0);
( 395802.3, 3869660.8, 777.9, 1275.0, 0.0); (
395802.2, 3869685.7, 778.0, 1275.0, 0.0);
( 395802.2, 3869710.5, 778.0, 1275.0, 0.0); (
395802.1, 3869735.4, 778.0, 1275.0, 0.0);
( 395802.0, 3869760.3, 778.0, 1275.0, 0.0); (
395802.0, 3869785.2, 778.0, 1275.0, 0.0);
( 395801.9, 3869810.1, 778.0, 1275.0, 0.0); (
395801.8, 3869835.0, 778.0, 1275.0, 0.0);
( 395801.8, 3869859.9, 778.8, 1275.0, 0.0); (
395801.7, 3869884.8, 779.0, 1275.0, 0.0);
( 395801.7, 3869909.7, 779.0, 1275.0, 0.0); (
395801.6, 3869934.6, 779.0, 1275.0, 0.0);
( 395801.5, 3869959.5, 779.0, 1275.0, 0.0); (
395786.1, 3869045.7, 777.0, 777.0, 0.0);
( 395778.7, 3869088.2, 777.0, 777.0, 0.0); (
395778.7, 3869113.1, 777.0, 777.0, 0.0);
( 395778.6, 3869138.0, 777.0, 777.0, 0.0); (
395778.5, 3869162.9, 777.0, 777.0, 0.0);
( 395778.5, 3869187.8, 777.0, 777.0, 0.0); (
395778.4, 3869212.7, 777.0, 1245.0, 0.0);
( 395778.3, 3869237.6, 777.0, 1273.0, 0.0); (
395778.3, 3869262.5, 777.0, 1275.0, 0.0);
( 395778.2, 3869287.4, 777.0, 1275.0, 0.0); (
395778.2, 3869312.2, 777.0, 1275.0, 0.0);
( 395778.1, 3869337.1, 777.0, 1275.0, 0.0); (
395778.0, 3869362.0, 777.0, 1275.0, 0.0);
( 395778.0, 3869386.9, 777.0, 1275.0, 0.0); (
395777.9, 3869411.8, 777.0, 1275.0, 0.0);
( 395777.8, 3869436.7, 777.0, 1275.0, 0.0); (
395777.8, 3869461.6, 777.0, 1275.0, 0.0);
( 395777.7, 3869486.5, 777.0, 1275.0, 0.0); (
395777.7, 3869511.4, 777.0, 1275.0, 0.0);
( 395777.6, 3869536.3, 777.0, 1275.0, 0.0); (
395777.5, 3869561.1, 777.6, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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     ( 395777.5, 3869586.0,     777.7,    1275.0,       0.0);         (
395777.4, 3869610.9,     777.9,    1275.0,       0.0);
     ( 395777.3, 3869635.8,     778.0,    1275.0,       0.0);         (
395777.3, 3869660.7,     778.0,    1275.0,       0.0);
     ( 395777.2, 3869685.6,     778.0,    1275.0,       0.0);         (
395777.2, 3869710.5,     778.0,    1275.0,       0.0);
     ( 395777.1, 3869735.4,     778.0,    1275.0,       0.0);         (
395777.0, 3869760.3,     778.0,    1275.0,       0.0);
     ( 395777.0, 3869785.2,     778.0,    1275.0,       0.0);         (
395776.9, 3869810.0,     778.1,    1275.0,       0.0);
     ( 395776.8, 3869834.9,     778.7,    1275.0,       0.0);         (
395776.8, 3869859.8,     778.9,    1275.0,       0.0);
     ( 395776.7, 3869884.7,     779.0,    1275.0,       0.0);         (
395776.7, 3869909.6,     779.0,    1275.0,       0.0);
     ( 395776.6, 3869934.5,     779.0,    1275.0,       0.0);         (
395776.5, 3869959.4,     779.0,    1275.0,       0.0);
     ( 395761.1, 3869045.6,     777.0,     777.0,       0.0);         (
395793.5, 3869003.1,     777.0,     777.0,       0.0);
     ( 395753.7, 3869088.2,     777.0,     777.0,       0.0);         (
395753.7, 3869113.1,     777.0,     777.0,       0.0);
     ( 395753.6, 3869137.9,     777.0,     777.0,       0.0);         (
395753.5, 3869162.8,     777.0,     777.0,       0.0);
     ( 395753.5, 3869187.7,     777.0,    1245.0,       0.0);         (
395753.4, 3869212.6,     777.0,    1275.0,       0.0);
     ( 395753.3, 3869237.5,     777.0,    1275.0,       0.0);         (
395753.3, 3869262.4,     777.0,    1275.0,       0.0);
     ( 395753.2, 3869287.3,     777.0,    1275.0,       0.0);         (
395753.2, 3869312.2,     777.0,    1275.0,       0.0);
     ( 395753.1, 3869337.1,     777.0,    1275.0,       0.0);         (
395753.0, 3869362.0,     777.0,    1275.0,       0.0);
     ( 395753.0, 3869386.8,     777.0,    1275.0,       0.0);         (
395752.9, 3869411.7,     777.0,    1275.0,       0.0);
     ( 395752.8, 3869436.6,     777.0,    1275.0,       0.0);         (
395752.8, 3869461.5,     777.0,    1275.0,       0.0);
     ( 395752.7, 3869486.4,     777.2,    1275.0,       0.0);         (
395752.7, 3869511.3,     777.6,    1275.0,       0.0);
     ( 395752.6, 3869536.2,     777.6,    1275.0,       0.0);         (
395752.5, 3869561.1,     777.9,    1275.0,       0.0);
     ( 395752.5, 3869586.0,     778.0,    1275.0,       0.0);         (
395752.4, 3869610.9,     778.0,    1275.0,       0.0);
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( 395752.3, 3869635.8, 778.0, 1275.0, 0.0); (
395752.3, 3869660.6, 778.0, 1275.0, 0.0);
( 395752.2, 3869685.5, 778.0, 1275.0, 0.0); (
395752.2, 3869710.4, 778.0, 1275.0, 0.0);
( 395752.1, 3869735.3, 778.0, 1275.0, 0.0); (
395752.0, 3869760.2, 778.0, 1275.0, 0.0);
( 395752.0, 3869785.1, 778.2, 1275.0, 0.0); (
395751.9, 3869810.0, 778.6, 1275.0, 0.0);
( 395751.8, 3869834.9, 779.0, 1275.0, 0.0); (
395751.8, 3869859.8, 779.0, 1275.0, 0.0);
( 395751.7, 3869884.7, 779.0, 1275.0, 0.0); (
395751.7, 3869909.5, 779.0, 1275.0, 0.0);
( 395751.6, 3869934.4, 779.0, 1275.0, 0.0); (
395751.5, 3869959.3, 779.0, 1275.0, 0.0);
( 395736.1, 3869045.6, 777.0, 777.0, 0.0); (
395750.8, 3869010.3, 777.0, 777.0, 0.0);
( 395775.8, 3868985.4, 776.9, 776.9, 0.0); (
395728.7, 3869088.1, 777.0, 777.0, 0.0);
( 395728.7, 3869113.0, 777.0, 777.0, 0.0); (
395728.6, 3869137.9, 777.3, 1245.0, 0.0);
( 395728.5, 3869162.8, 777.4, 1273.0, 0.0); (
395728.5, 3869187.7, 777.4, 1275.0, 0.0);
( 395728.4, 3869212.6, 777.4, 1275.0, 0.0); (
395728.3, 3869237.4, 777.4, 1275.0, 0.0);
( 395728.3, 3869262.3, 777.4, 1275.0, 0.0); (
395728.2, 3869287.2, 777.1, 1275.0, 0.0);
( 395728.2, 3869312.1, 777.0, 1275.0, 0.0); (
395728.1, 3869337.0, 777.0, 1275.0, 0.0);
( 395728.0, 3869361.9, 777.1, 1275.0, 0.0); (
395728.0, 3869386.8, 777.4, 1275.0, 0.0);
( 395727.9, 3869411.7, 777.4, 1275.0, 0.0); (
395727.8, 3869436.6, 777.4, 1275.0, 0.0);
( 395727.8, 3869461.5, 777.4, 1275.0, 0.0); (
395727.7, 3869486.3, 777.6, 1275.0, 0.0);
( 395727.7, 3869511.2, 778.0, 1275.0, 0.0); (
395727.6, 3869536.1, 778.0, 1275.0, 0.0);
( 395727.5, 3869561.0, 778.0, 1275.0, 0.0); (
395727.5, 3869585.9, 778.0, 1275.0, 0.0);
( 395727.4, 3869610.8, 778.0, 1275.0, 0.0); (
395727.3, 3869635.7, 778.0, 1275.0, 0.0);
( 395727.3, 3869660.6, 778.0, 1275.0, 0.0); (
395727.2, 3869685.5, 778.0, 1275.0, 0.0);
( 395727.2, 3869710.4, 778.0, 1275.0, 0.0); (
395727.1, 3869735.3, 778.3, 1275.0, 0.0);
( 395727.0, 3869760.1, 778.4, 1275.0, 0.0); (
395727.0, 3869785.0, 778.6, 1275.0, 0.0);
( 395726.9, 3869809.9, 779.0, 1275.0, 0.0); (
395726.8, 3869834.8, 779.0, 1275.0, 0.0);
( 395726.8, 3869859.7, 779.0, 1275.0, 0.0); (
395726.7, 3869884.6, 779.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395726.7, 3869909.5,     779.0,    1275.0,       0.0);         (
395726.6, 3869934.4,     779.0,    1275.0,       0.0);
     ( 395726.5, 3869959.3,     779.0,    1275.0,       0.0);         (
395687.6, 3869041.9,     777.4,     777.4,       0.0);
     ( 395696.4, 3869020.8,     777.0,     777.0,       0.0);         (
395705.2, 3868999.6,     777.0,     777.0,       0.0);
     ( 395714.0, 3868978.4,     777.0,     777.0,       0.0);         (
395744.0, 3868948.5,     777.0,     777.0,       0.0);
     ( 395765.2, 3868939.8,     777.0,     777.0,       0.0);         (
395786.4, 3868931.0,     776.4,     776.4,       0.0);
     ( 395807.6, 3868922.2,     776.0,     776.0,       0.0);         (
395678.8, 3869063.1,     778.0,    1245.0,       0.0);
     ( 395678.7, 3869088.0,     778.0,    1273.0,       0.0);         (
395678.7, 3869112.9,     778.0,    1275.0,       0.0);
     ( 395678.6, 3869137.8,     778.0,    1275.0,       0.0);         (
395678.5, 3869162.6,     778.0,    1275.0,       0.0);
     ( 395678.5, 3869187.5,     778.0,    1275.0,       0.0);         (
395678.4, 3869212.4,     778.0,    1275.0,       0.0);
     ( 395678.3, 3869237.3,     778.0,    1275.0,       0.0);         (
395678.3, 3869262.2,     778.0,    1275.0,       0.0);
     ( 395678.2, 3869287.1,     778.0,    1275.0,       0.0);         (
395678.2, 3869312.0,     778.0,    1275.0,       0.0);
     ( 395678.1, 3869336.9,     778.0,    1275.0,       0.0);         (
395678.0, 3869361.8,     778.0,    1275.0,       0.0);
     ( 395678.0, 3869386.7,     778.0,    1275.0,       0.0);         (
395677.9, 3869411.6,     778.0,    1275.0,       0.0);
     ( 395677.8, 3869436.4,     778.0,    1275.0,       0.0);         (
395677.8, 3869461.3,     778.0,    1275.0,       0.0);
     ( 395677.7, 3869486.2,     778.0,    1275.0,       0.0);         (
395677.7, 3869511.1,     778.0,    1275.0,       0.0);
     ( 395677.6, 3869536.0,     778.0,    1275.0,       0.0);         (
395677.5, 3869560.9,     778.0,    1275.0,       0.0);
     ( 395677.5, 3869585.8,     778.0,    1275.0,       0.0);         (
395677.4, 3869610.7,     778.0,    1275.0,       0.0);
     ( 395677.3, 3869635.6,     778.1,    1275.0,       0.0);         (
395677.3, 3869660.5,     778.2,    1275.0,       0.0);
     ( 395677.2, 3869685.3,     779.0,    1275.0,       0.0);         (
395677.2, 3869710.2,     779.0,    1275.0,       0.0);
     ( 395677.1, 3869735.1,     779.0,    1275.0,       0.0);         (
395677.0, 3869760.0,     779.0,    1275.0,       0.0);
```

( 395677.0, 3869784.9, 779.0, 1275.0, 0.0); (
395676.9, 3869809.8, 779.0, 1275.0, 0.0);
( 395676.8, 3869834.7, 779.0, 1275.0, 0.0); (
395676.8, 3869859.6, 779.0, 1275.0, 0.0);
( 395676.7, 3869884.5, 779.0, 1275.0, 0.0); (
395676.7, 3869909.4, 779.0, 1275.0, 0.0);
( 395676.6, 3869934.2, 779.4, 1275.0, 0.0); (
395676.5, 3869959.1, 780.0, 1275.0, 0.0);
( 395637.2, 3869042.8, 778.0, 1275.0, 0.0); (
395654.0, 3869002.5, 777.2, 1245.0, 0.0);
( 395670.8, 3868962.2, 777.0, 777.0, 0.0); (
395707.7, 3868913.5, 777.0, 777.0, 0.0);
( 395748.1, 3868896.8, 776.5, 776.5, 0.0); (
395788.4, 3868880.2, 776.0, 776.0, 0.0);
( 395628.7, 3869087.9, 778.0, 1275.0, 0.0); (
395628.7, 3869112.8, 778.0, 1275.0, 0.0);
( 395628.6, 3869137.6, 778.0, 1275.0, 0.0); (
395628.5, 3869162.5, 778.0, 1275.0, 0.0);
( 395628.5, 3869187.4, 778.0, 1275.0, 0.0); (
395628.4, 3869212.3, 778.0, 1275.0, 0.0);
( 395628.3, 3869237.2, 778.0, 1275.0, 0.0); (
395628.3, 3869262.1, 778.0, 1275.0, 0.0);
( 395628.2, 3869287.0, 778.0, 1275.0, 0.0); (
395628.2, 3869311.9, 778.0, 1275.0, 0.0);
( 395628.1, 3869336.8, 778.0, 1275.0, 0.0); (
395628.0, 3869361.6, 778.0, 1275.0, 0.0);
( 395628.0, 3869386.5, 778.0, 1275.0, 0.0); (
395627.9, 3869411.4, 778.0, 1275.0, 0.0);
( 395627.8, 3869436.3, 778.0, 1275.0, 0.0); (
395627.8, 3869461.2, 778.0, 1275.0, 0.0);
( 395627.7, 3869486.1, 778.0, 1275.0, 0.0); (
395627.7, 3869511.0, 778.0, 1275.0, 0.0);
( 395627.6, 3869535.9, 778.0, 1275.0, 0.0); (
395627.5, 3869560.8, 778.6, 1275.0, 0.0);
( 395627.5, 3869585.7, 778.7, 1275.0, 0.0); (
395627.4, 3869610.5, 778.9, 1275.0, 0.0);
( 395627.3, 3869635.4, 779.0, 1275.0, 0.0); (
395627.3, 3869660.3, 779.0, 1275.0, 0.0);
( 395627.2, 3869685.2, 779.0, 1275.0, 0.0); (
395627.2, 3869710.1, 779.0, 1275.0, 0.0);
( 395627.1, 3869735.0, 779.0, 1275.0, 0.0); (
395627.0, 3869759.9, 779.0, 1275.0, 0.0);
( 395627.0, 3869784.8, 779.0, 1275.0, 0.0); (
395626.9, 3869809.7, 779.0, 1275.0, 0.0);
( 395626.8, 3869834.6, 779.0, 1275.0, 0.0); (
395626.8, 3869859.4, 779.0, 1275.0, 0.0);
( 395626.7, 3869884.3, 779.5, 1275.0, 0.0); (
395626.7, 3869909.2, 779.9, 1275.0, 0.0);
( 395626.6, 3869934.1, 780.0, 1275.0, 0.0); (
395626.5, 3869959.0, 780.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395588.0, 3869040.8, 778.0, 1275.0, 0.0); ( 395597.1, 3869018.8, 778.0, 1275.0, 0.0);
( 395606.3, 3868996.7, 778.0, 1275.0, 0.0); ( 395615.5, 3868974.6, 778.0, 1245.0, 0.0);
( 395624.7, 3868952.6, 777.5, 777.5, 0.0); ( 395633.9, 3868930.6, 777.0, 777.0, 0.0);
( 395643.1, 3868908.5, 777.0, 777.0, 0.0); ( 395674.3, 3868877.3, 777.0, 777.0, 0.0);
( 395696.4, 3868868.2, 776.9, 776.9, 0.0); ( 395718.4, 3868859.1, 776.3, 776.3, 0.0);
( 395740.5, 3868850.0, 776.0, 776.0, 0.0); ( 395762.6, 3868840.8, 776.0, 776.0, 0.0);
( 395784.6, 3868831.7, 776.0, 776.0, 0.0); ( 395806.7, 3868822.6, 776.0, 776.0, 0.0);
( 395578.8, 3869062.8, 778.0, 1275.0, 0.0); ( 395578.7, 3869087.7, 778.0, 1275.0, 0.0);
( 395578.7, 3869112.6, 778.0, 1275.0, 0.0); ( 395578.6, 3869137.5, 778.0, 1275.0, 0.0);
( 395578.5, 3869162.4, 778.0, 1275.0, 0.0); ( 395578.5, 3869187.3, 778.0, 1275.0, 0.0);
( 395578.4, 3869212.2, 778.0, 1275.0, 0.0); ( 395578.3, 3869237.1, 778.0, 1275.0, 0.0);
( 395578.3, 3869262.0, 778.0, 1275.0, 0.0); ( 395578.2, 3869286.8, 778.0, 1275.0, 0.0);
( 395578.2, 3869311.7, 778.0, 1275.0, 0.0); ( 395578.1, 3869336.6, 778.0, 1275.0, 0.0);
( 395578.0, 3869361.5, 778.1, 1275.0, 0.0); ( 395578.0, 3869386.4, 778.4, 1275.0, 0.0);
( 395577.9, 3869411.3, 778.4, 1275.0, 0.0); ( 395577.8, 3869436.2, 778.4, 1275.0, 0.0);
( 395577.8, 3869461.1, 778.7, 1275.0, 0.0); ( 395577.7, 3869486.0, 779.0, 1275.0, 0.0);
( 395577.7, 3869510.9, 779.0, 1275.0, 0.0); ( 395577.6, 3869535.8, 779.0, 1275.0, 0.0);
( 395577.5, 3869560.6, 779.0, 1275.0, 0.0); ( 395577.5, 3869585.5, 779.0, 1275.0, 0.0);
( 395577.4, 3869610.4, 779.0, 1275.0, 0.0); ( 395577.3, 3869635.3, 779.0, 1275.0, 0.0);
( 395577.3, 3869660.2, 779.0, 1275.0, 0.0); ( 395577.2, 3869685.1, 779.0, 1275.0, 0.0);

( 395577.2, 3869710.0, 779.0, 1275.0, 0.0); (
395577.1, 3869734.9, 779.0, 1275.0, 0.0);
( 395577.0, 3869759.8, 779.0, 1275.0, 0.0); (
395577.0, 3869784.7, 779.0, 1275.0, 0.0);
( 395576.9, 3869809.5, 779.1, 1275.0, 0.0); (
395576.8, 3869834.4, 779.4, 1275.0, 0.0);
( 395576.8, 3869859.3, 779.9, 1275.0, 0.0); (
395576.7, 3869884.2, 780.0, 1275.0, 0.0);
( 395576.7, 3869909.1, 780.0, 1275.0, 0.0); (
395576.6, 3869934.0, 780.0, 1275.0, 0.0);
( 395576.5, 3869958.9, 780.0, 1275.0, 0.0); (
395504.4, 3869041.2, 778.0, 1275.0, 0.0);
( 395513.3, 3869019.9, 778.0, 1275.0, 0.0); (
395522.2, 3868998.5, 778.0, 1275.0, 0.0);
( 395531.1, 3868977.1, 778.0, 1275.0, 0.0); (
395540.0, 3868955.7, 778.0, 1275.0, 0.0);
( 395548.9, 3868934.4, 778.0, 1275.0, 0.0); (
395557.8, 3868913.0, 778.0, 1273.0, 0.0);
( 395566.7, 3868891.6, 777.8, 1245.0, 0.0); (
395575.6, 3868870.2, 777.4, 777.4, 0.0);
( 395584.5, 3868848.8, 777.0, 777.0, 0.0); (
395614.8, 3868818.6, 777.0, 777.0, 0.0);
( 395636.2, 3868809.8, 777.0, 777.0, 0.0); (
395657.6, 3868800.9, 776.7, 776.7, 0.0);
( 395679.0, 3868792.1, 776.0, 776.0, 0.0); (
395700.4, 3868783.2, 776.0, 776.0, 0.0);
( 395721.8, 3868774.4, 776.0, 776.0, 0.0); (
395743.2, 3868765.5, 776.0, 776.0, 0.0);
( 395764.6, 3868756.7, 776.0, 776.0, 0.0); (
395786.0, 3868747.8, 775.3, 775.3, 0.0);
( 395807.4, 3868739.0, 775.0, 775.0, 0.0); (
395495.5, 3869062.6, 778.1, 1275.0, 0.0);
( 395495.4, 3869087.5, 778.1, 1275.0, 0.0); (
395495.3, 3869112.4, 778.1, 1275.0, 0.0);
( 395495.3, 3869137.3, 778.1, 1275.0, 0.0); (
395495.2, 3869162.2, 778.6, 1275.0, 0.0);
( 395495.1, 3869187.1, 779.0, 1275.0, 0.0); (
395495.1, 3869212.0, 779.0, 1275.0, 0.0);
( 395495.0, 3869236.9, 779.0, 1275.0, 0.0); (
395495.0, 3869261.8, 779.0, 1275.0, 0.0);
( 395494.9, 3869286.6, 779.0, 1275.0, 0.0); (
395494.8, 3869311.5, 779.0, 1275.0, 0.0);
( 395494.8, 3869336.4, 779.0, 1275.0, 0.0); (
395494.7, 3869361.3, 779.0, 1275.0, 0.0);
( 395494.6, 3869386.2, 779.0, 1275.0, 0.0); (
395494.6, 3869411.1, 779.0, 1275.0, 0.0);
( 395494.5, 3869436.0, 779.0, 1275.0, 0.0); (
395494.5, 3869460.9, 779.0, 1275.0, 0.0);
( 395494.4, 3869485.8, 779.0, 1275.0, 0.0); (
395494.3, 3869510.6, 779.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395494.3, 3869535.5, 779.0, 1275.0, 0.0); ( 395494.2, 3869560.4, 779.0, 1275.0, 0.0);
( 395494.1, 3869585.3, 779.0, 1275.0, 0.0); ( 395494.1, 3869610.2, 779.1, 1275.0, 0.0);
( 395494.0, 3869635.1, 779.2, 1275.0, 0.0); ( 395494.0, 3869660.0, 779.2, 1275.0, 0.0);
( 395493.9, 3869684.9, 779.2, 1275.0, 0.0); ( 395493.8, 3869709.8, 779.8, 1275.0, 0.0);
( 395493.8, 3869734.7, 780.0, 1275.0, 0.0); ( 395493.7, 3869759.6, 780.0, 1275.0, 0.0);
( 395493.6, 3869784.4, 780.0, 1275.0, 0.0); ( 395493.6, 3869809.3, 780.0, 1275.0, 0.0);
( 395493.5, 3869834.2, 780.0, 1275.0, 0.0); ( 395493.5, 3869859.1, 780.0, 1275.0, 0.0);
( 395493.4, 3869884.0, 780.0, 1275.0, 0.0); ( 395493.3, 3869908.9, 780.0, 1275.0, 0.0);
( 395493.3, 3869933.8, 780.0, 1275.0, 0.0); ( 395493.2, 3869958.7, 780.0, 1275.0, 0.0);
( 395421.5, 3869039.8, 779.0, 1275.0, 0.0); ( 395431.0, 3869017.2, 779.0, 1275.0, 0.0);
( 395440.4, 3868994.6, 779.0, 1275.0, 0.0); ( 395449.8, 3868972.0, 778.7, 1275.0, 0.0);
( 395459.2, 3868949.4, 778.3, 1275.0, 0.0); ( 395468.6, 3868926.8, 778.0, 1275.0, 0.0);
( 395478.0, 3868904.1, 778.0, 1275.0, 0.0); ( 395487.5, 3868881.5, 778.0, 1275.0, 0.0);
( 395496.9, 3868858.9, 778.0, 1275.0, 0.0); ( 395506.3, 3868836.3, 778.0, 1273.0, 0.0);
( 395515.7, 3868813.7, 778.0, 1245.0, 0.0); ( 395525.1, 3868791.1, 778.0, 778.0, 0.0);
( 395557.2, 3868759.1, 777.0, 777.0, 0.0); ( 395579.8, 3868749.8, 777.0, 777.0, 0.0);
( 395602.4, 3868740.4, 776.8, 776.8, 0.0); ( 395625.1, 3868731.0, 776.1, 776.1, 0.0);
( 395647.7, 3868721.7, 776.0, 776.0, 0.0); ( 395670.3, 3868712.3, 776.0, 776.0, 0.0);
( 395693.0, 3868703.0, 775.7, 775.7, 0.0); ( 395715.6, 3868693.6, 775.0, 775.0, 0.0);
( 395738.2, 3868684.2, 775.0, 775.0, 0.0); ( 395760.9, 3868674.9, 774.3, 774.3, 0.0);

( 395783.5, 3868665.5, 774.0, 774.0, 0.0); (
395806.1, 3868656.2, 774.0, 774.0, 0.0);
( 395412.1, 3869062.4, 779.0, 1275.0, 0.0); (
395412.1, 3869087.3, 779.0, 1275.0, 0.0);
( 395412.0, 3869112.2, 779.0, 1275.0, 0.0); (
395411.9, 3869137.1, 779.0, 1275.0, 0.0);
( 395411.9, 3869162.0, 779.0, 1275.0, 0.0); (
395411.8, 3869186.9, 779.0, 1275.0, 0.0);
( 395411.8, 3869211.8, 779.0, 1275.0, 0.0); (
395411.7, 3869236.6, 779.0, 1275.0, 0.0);
( 395411.6, 3869261.5, 779.0, 1275.0, 0.0); (
395411.6, 3869286.4, 779.0, 1275.0, 0.0);
( 395411.5, 3869311.3, 779.0, 1275.0, 0.0); (
395411.4, 3869336.2, 779.3, 1275.0, 0.0);
( 395411.4, 3869361.1, 779.9, 1275.0, 0.0); (
395411.3, 3869386.0, 779.9, 1275.0, 0.0);
( 395411.2, 3869410.9, 779.9, 1275.0, 0.0); (
395411.2, 3869435.8, 780.0, 1275.0, 0.0);
( 395411.1, 3869460.7, 780.0, 1275.0, 0.0); (
395411.1, 3869485.5, 780.0, 1275.0, 0.0);
( 395411.0, 3869510.4, 780.0, 1275.0, 0.0); (
395410.9, 3869535.3, 780.0, 1275.0, 0.0);
( 395410.9, 3869560.2, 780.0, 1275.0, 0.0); (
395410.8, 3869585.1, 780.0, 1275.0, 0.0);
( 395410.7, 3869610.0, 780.0, 1275.0, 0.0); (
395410.7, 3869634.9, 780.0, 1275.0, 0.0);
( 395410.6, 3869659.8, 780.0, 1275.0, 0.0); (
395410.6, 3869684.7, 780.0, 1275.0, 0.0);
( 395410.5, 3869709.6, 780.0, 1275.0, 0.0); (
395410.4, 3869734.5, 780.0, 1275.0, 0.0);
( 395410.4, 3869759.3, 780.0, 1275.0, 0.0); (
395410.3, 3869784.2, 780.0, 1275.0, 0.0);
( 395410.2, 3869809.1, 780.0, 1275.0, 0.0); (
395410.2, 3869834.0, 780.0, 1275.0, 0.0);
( 395410.1, 3869858.9, 780.8, 1275.0, 0.0); (
395410.0, 3869883.8, 781.0, 1275.0, 0.0);
( 395410.0, 3869908.7, 781.0, 1275.0, 0.0); (
395409.9, 3869933.6, 781.0, 1275.0, 0.0);
( 395409.9, 3869958.5, 781.0, 1275.0, 0.0); (
395338.0, 3869040.2, 779.0, 1275.0, 0.0);
( 395347.1, 3869018.1, 779.0, 1275.0, 0.0); (
395356.3, 3868996.1, 779.0, 1275.0, 0.0);
( 395365.5, 3868974.0, 779.0, 1275.0, 0.0); (
395374.7, 3868952.0, 779.0, 1275.0, 0.0);
( 395383.9, 3868929.9, 779.0, 1275.0, 0.0); (
395393.1, 3868907.9, 779.0, 1275.0, 0.0);
( 395402.2, 3868885.8, 779.0, 1275.0, 0.0); (
395411.4, 3868863.8, 779.0, 1275.0, 0.0);
( 395420.6, 3868841.8, 778.9, 1275.0, 0.0); (
395429.8, 3868819.7, 778.4, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395439.0, 3868797.7,     778.0,    1275.0,       0.0);         (
395448.1, 3868775.6,     778.0,    1275.0,       0.0);
     ( 395457.3, 3868753.6,     778.0,    1245.0,       0.0);         (
395466.5, 3868731.5,     778.0,     778.0,       0.0);
     ( 395497.8, 3868700.3,     777.2,     777.2,       0.0);         (
395519.8, 3868691.2,     777.0,     777.0,       0.0);
     ( 395541.9, 3868682.1,     777.0,     777.0,       0.0);         (
395564.0, 3868673.0,     776.9,     776.9,       0.0);
     ( 395586.0, 3868663.8,     776.1,     776.1,       0.0);         (
395608.1, 3868654.7,     776.0,     776.0,       0.0);
     ( 395630.2, 3868645.6,     776.0,     776.0,       0.0);         (
395652.2, 3868636.5,     775.9,     775.9,       0.0);
     ( 395674.3, 3868627.3,     775.1,     775.1,       0.0);         (
395696.4, 3868618.2,     775.0,     775.0,       0.0);
     ( 395718.4, 3868609.1,     775.0,     775.0,       0.0);         (
395740.5, 3868600.0,     775.0,     775.0,       0.0);
     ( 395762.6, 3868590.8,     774.2,     774.2,       0.0);         (
395784.6, 3868581.7,     774.0,     774.0,       0.0);
     ( 395806.7, 3868572.6,     774.0,     774.0,       0.0);         (
395328.8, 3869062.2,     779.0,    1275.0,       0.0);
     ( 395328.7, 3869087.1,     779.0,    1275.0,       0.0);         (
395328.7, 3869112.0,     779.0,    1275.0,       0.0);
     ( 395328.6, 3869136.9,     779.0,    1275.0,       0.0);         (
395328.5, 3869161.8,     779.0,    1275.0,       0.0);
     ( 395328.5, 3869186.7,     779.3,    1275.0,       0.0);         (
395328.4, 3869211.5,     779.8,    1275.0,       0.0);
     ( 395328.3, 3869236.4,     780.0,    1275.0,       0.0);         (
395328.3, 3869261.3,     780.0,    1275.0,       0.0);
     ( 395328.2, 3869286.2,     780.0,    1275.0,       0.0);         (
395328.2, 3869311.1,     780.0,    1275.0,       0.0);
     ( 395328.1, 3869336.0,     780.0,    1275.0,       0.0);         (
395328.0, 3869360.9,     780.0,    1275.0,       0.0);
     ( 395328.0, 3869385.8,     780.0,    1275.0,       0.0);         (
395327.9, 3869410.7,     780.0,    1275.0,       0.0);
     ( 395327.8, 3869435.6,     780.0,    1275.0,       0.0);         (
395327.8, 3869460.4,     780.0,    1275.0,       0.0);
     ( 395327.7, 3869485.3,     780.0,    1275.0,       0.0);         (
395327.7, 3869510.2,     780.0,    1275.0,       0.0);
     ( 395327.6, 3869535.1,     780.0,    1275.0,       0.0);         (
395327.5, 3869560.0,     780.0,    1275.0,       0.0);
```

( 395327.5, 3869584.9, 780.0, 1275.0, 0.0); (
395327.4, 3869609.8, 780.0, 1275.0, 0.0);
( 395327.3, 3869634.7, 780.0, 1275.0, 0.0); (
395327.3, 3869659.6, 780.0, 1275.0, 0.0);
( 395327.2, 3869684.5, 780.0, 1275.0, 0.0); (
395327.2, 3869709.4, 780.0, 1275.0, 0.0);
( 395327.1, 3869734.2, 780.0, 1275.0, 0.0); (
395327.0, 3869759.1, 780.3, 1275.0, 0.0);
( 395327.0, 3869784.0, 780.8, 1275.0, 0.0); (
395326.9, 3869808.9, 780.8, 1275.0, 0.0);
( 395326.8, 3869833.8, 781.0, 1275.0, 0.0); (
395326.8, 3869858.7, 781.0, 1275.0, 0.0);
( 395326.7, 3869883.6, 781.0, 1275.0, 0.0); (
395326.7, 3869908.5, 781.0, 1275.0, 0.0);
( 395326.6, 3869933.4, 781.0, 1275.0, 0.0); (
395326.5, 3869958.3, 781.1, 1275.0, 0.0);
( 395088.0, 3869039.5, 780.7, 1275.0, 0.0); (
395097.1, 3869017.5, 780.6, 1275.0, 0.0);
( 395106.3, 3868995.4, 781.0, 1275.0, 0.0); (
395115.5, 3868973.4, 780.8, 1275.0, 0.0);
( 395124.7, 3868951.3, 780.7, 1275.0, 0.0); (
395133.9, 3868929.3, 781.0, 1275.0, 0.0);
( 395143.1, 3868907.3, 781.0, 1275.0, 0.0); (
395152.2, 3868885.2, 780.3, 1275.0, 0.0);
( 395161.4, 3868863.2, 780.0, 1275.0, 0.0); (
395170.6, 3868841.1, 780.0, 1275.0, 0.0);
( 395179.8, 3868819.1, 780.0, 1275.0, 0.0); (
395189.0, 3868797.0, 780.0, 1275.0, 0.0);
( 395198.1, 3868775.0, 780.0, 1275.0, 0.0); (
395207.3, 3868752.9, 780.0, 1275.0, 0.0);
( 395216.5, 3868730.9, 780.0, 1275.0, 0.0); (
395225.7, 3868708.8, 780.0, 1275.0, 0.0);
( 395234.9, 3868686.8, 779.9, 1275.0, 0.0); (
395244.0, 3868664.8, 779.5, 1275.0, 0.0);
( 395253.2, 3868642.7, 779.2, 1275.0, 0.0); (
395262.4, 3868620.7, 779.0, 1275.0, 0.0);
( 395271.6, 3868598.6, 779.0, 1275.0, 0.0); (
395280.8, 3868576.6, 779.0, 1275.0, 0.0);
( 395290.0, 3868554.5, 779.0, 1245.0, 0.0); (
395321.2, 3868523.3, 778.9, 778.9, 0.0);
( 395343.3, 3868514.2, 778.2, 778.2, 0.0); (
395365.3, 3868505.1, 778.0, 778.0, 0.0);
( 395387.4, 3868496.0, 778.0, 778.0, 0.0); (
395409.5, 3868486.8, 778.0, 778.0, 0.0);
( 395431.5, 3868477.7, 777.3, 777.3, 0.0); (
395453.6, 3868468.6, 777.0, 777.0, 0.0);
( 395475.7, 3868459.5, 776.8, 776.8, 0.0); (
395497.8, 3868450.3, 776.1, 776.1, 0.0);
( 395519.8, 3868441.2, 776.0, 776.0, 0.0); (
395541.9, 3868432.1, 776.0, 776.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395564.0, 3868423.0,     775.8,     775.8,       0.0);         (
395586.0, 3868413.8,     775.1,     775.1,       0.0);
     ( 395608.1, 3868404.7,     775.0,     775.0,       0.0);         (
395630.2, 3868395.6,     775.0,     775.0,       0.0);
     ( 395652.2, 3868386.5,     774.6,     774.6,       0.0);         (
395674.3, 3868377.3,     774.1,     774.1,       0.0);
     ( 395696.4, 3868368.2,     774.0,     774.0,       0.0);         (
395718.4, 3868359.1,     774.0,     774.0,       0.0);
     ( 395740.5, 3868350.0,     774.0,     774.0,       0.0);         (
395762.6, 3868340.8,     774.0,     774.0,       0.0);
     ( 395784.6, 3868331.7,     773.5,     773.5,       0.0);         (
395806.7, 3868322.6,     773.0,     773.0,       0.0);
     ( 395078.8, 3869061.6,     781.0,    1275.0,       0.0);         (
395078.7, 3869086.5,     781.0,    1275.0,       0.0);
     ( 395078.7, 3869111.4,     781.0,    1275.0,       0.0);         (
395078.6, 3869136.2,     781.0,    1275.0,       0.0);
     ( 395078.5, 3869161.1,     781.0,    1275.0,       0.0);         (
395078.5, 3869186.0,     781.0,    1275.0,       0.0);
     ( 395078.4, 3869210.9,     781.0,    1275.0,       0.0);         (
395078.3, 3869235.8,     781.0,    1275.0,       0.0);
     ( 395078.3, 3869260.7,     781.0,    1275.0,       0.0);         (
395078.2, 3869285.6,     781.0,    1275.0,       0.0);
     ( 395078.2, 3869310.5,     781.5,    1275.0,       0.0);         (
395078.1, 3869335.4,     782.0,    1275.0,       0.0);
     ( 395078.0, 3869360.3,     782.0,    1275.0,       0.0);         (
395078.0, 3869385.1,     782.0,    1275.0,       0.0);
     ( 395077.9, 3869410.0,     782.0,    1275.0,       0.0);         (
395077.8, 3869434.9,     782.0,    1275.0,       0.0);
     ( 395077.8, 3869459.8,     782.0,    1275.0,       0.0);         (
395077.7, 3869484.7,     782.0,    1275.0,       0.0);
     ( 395077.7, 3869509.6,     782.0,    1275.0,       0.0);         (
395077.6, 3869534.5,     782.0,    1275.0,       0.0);
     ( 395077.5, 3869559.4,     782.0,    1275.0,       0.0);         (
395077.5, 3869584.3,     782.0,    1275.0,       0.0);
     ( 395077.4, 3869609.2,     782.0,    1275.0,       0.0);         (
395077.3, 3869634.0,     782.0,    1275.0,       0.0);
     ( 395077.3, 3869658.9,     782.0,    1275.0,       0.0);         (
395077.2, 3869683.8,     782.0,    1275.0,       0.0);
     ( 395077.2, 3869708.7,     782.0,    1275.0,       0.0);         (
395077.1, 3869733.6,     782.0,    1275.0,       0.0);
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( 395077.0, 3869758.5, 782.1, 1275.0, 0.0); (
395077.0, 3869783.4, 782.1, 1275.0, 0.0);
( 395076.9, 3869808.3, 782.1, 1275.0, 0.0); (
395076.8, 3869833.2, 782.1, 1275.0, 0.0);
( 395076.8, 3869858.1, 782.8, 1275.0, 0.0); (
395076.7, 3869883.0, 783.0, 1275.0, 0.0);
( 395076.7, 3869907.8, 783.0, 1275.0, 0.0); (
395076.6, 3869932.7, 783.0, 1275.0, 0.0);
( 395076.5, 3869957.6, 783.0, 1275.0, 0.0); (
394838.3, 3869038.2, 783.0, 1275.0, 0.0);
( 394847.8, 3869015.4, 783.0, 1275.0, 0.0); (
394857.2, 3868992.7, 783.0, 1275.0, 0.0);
( 394866.7, 3868969.9, 783.0, 1275.0, 0.0); (
394876.2, 3868947.2, 783.0, 1275.0, 0.0);
( 394885.6, 3868924.4, 783.0, 1275.0, 0.0); (
394895.1, 3868901.6, 783.0, 1275.0, 0.0);
( 394904.6, 3868878.9, 782.8, 1275.0, 0.0); (
394914.1, 3868856.1, 782.5, 1275.0, 0.0);
( 394923.6, 3868833.4, 782.1, 1275.0, 0.0); (
394933.0, 3868810.6, 782.0, 1275.0, 0.0);
( 394942.5, 3868787.9, 782.0, 1275.0, 0.0); (
394952.0, 3868765.1, 782.0, 1275.0, 0.0);
( 394961.5, 3868742.3, 782.0, 1275.0, 0.0); (
394971.0, 3868719.6, 782.0, 1275.0, 0.0);
( 394980.4, 3868696.8, 782.0, 1275.0, 0.0); (
394989.9, 3868674.1, 781.3, 1275.0, 0.0);
( 394999.4, 3868651.3, 781.0, 1275.0, 0.0); (
395008.8, 3868628.6, 781.0, 1275.0, 0.0);
( 395018.3, 3868605.8, 781.0, 1275.0, 0.0); (
395027.8, 3868583.0, 781.0, 1275.0, 0.0);
( 395037.3, 3868560.3, 781.0, 1275.0, 0.0); (
395046.8, 3868537.5, 781.0, 1275.0, 0.0);
( 395056.2, 3868514.8, 780.8, 1275.0, 0.0); (
395065.7, 3868492.0, 780.5, 1275.0, 0.0);
( 395075.2, 3868469.3, 780.1, 1275.0, 0.0); (
395084.7, 3868446.5, 780.0, 1275.0, 0.0);
( 395094.1, 3868423.7, 780.0, 1275.0, 0.0); (
395103.6, 3868401.0, 780.0, 1275.0, 0.0);
( 395113.1, 3868378.2, 780.0, 1245.0, 0.0); (
395145.4, 3868346.0, 779.9, 779.9, 0.0);
( 395168.1, 3868336.6, 779.1, 779.1, 0.0); (
395190.9, 3868327.2, 779.0, 779.0, 0.0);
( 395213.7, 3868317.8, 779.0, 779.0, 0.0); (
395236.5, 3868308.4, 779.0, 779.0, 0.0);
( 395259.3, 3868299.0, 778.8, 778.8, 0.0); (
395282.0, 3868289.5, 778.1, 778.1, 0.0);
( 395304.8, 3868280.1, 778.0, 778.0, 0.0); (
395327.6, 3868270.7, 778.0, 778.0, 0.0);
( 395350.4, 3868261.3, 778.0, 778.0, 0.0); (
395373.2, 3868251.9, 777.2, 777.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395396.0, 3868242.4,     777.0,     777.0,       0.0);         (
395418.7, 3868233.0,     777.0,     777.0,       0.0);
     ( 395441.5, 3868223.6,     776.9,     776.9,       0.0);         (
395464.3, 3868214.2,     776.2,     776.2,       0.0);
     ( 395487.1, 3868204.8,     776.0,     776.0,       0.0);         (
395509.8, 3868195.3,     775.6,     775.6,       0.0);
     ( 395532.6, 3868185.9,     775.0,     775.0,       0.0);         (
395555.4, 3868176.5,     775.0,     775.0,       0.0);
     ( 395578.2, 3868167.1,     775.0,     775.0,       0.0);         (
395601.0, 3868157.7,     774.6,     774.6,       0.0);
     ( 395623.8, 3868148.2,     774.0,     774.0,       0.0);         (
395646.5, 3868138.8,     774.0,     774.0,       0.0);
     ( 395669.3, 3868129.4,     774.0,     774.0,       0.0);         (
395692.1, 3868120.0,     774.0,     774.0,       0.0);
     ( 395714.9, 3868110.6,     773.9,     773.9,       0.0);         (
395737.7, 3868101.1,     773.2,     773.2,       0.0);
     ( 395760.5, 3868091.7,     773.0,     773.0,       0.0);         (
395783.2, 3868082.3,     773.0,     773.0,       0.0);
     ( 395806.0, 3868072.9,     773.0,     773.0,       0.0);         (
394828.8, 3869060.9,     783.0,    1275.0,       0.0);
     ( 394828.7, 3869085.8,     783.0,    1275.0,       0.0);         (
394828.7, 3869110.7,     783.0,    1275.0,       0.0);
     ( 394828.6, 3869135.6,     783.0,    1275.0,       0.0);         (
394828.5, 3869160.5,     783.0,    1275.0,       0.0);
     ( 394828.5, 3869185.4,     783.1,    1275.0,       0.0);         (
394828.4, 3869210.3,     783.4,    1275.0,       0.0);
     ( 394828.3, 3869235.2,     783.4,    1275.0,       0.0);         (
394828.3, 3869260.1,     783.4,    1275.0,       0.0);
     ( 394828.2, 3869285.0,     783.4,    1275.0,       0.0);         (
394828.2, 3869309.8,     783.4,    1275.0,       0.0);
     ( 394828.1, 3869334.7,     783.4,    1275.0,       0.0);         (
394828.0, 3869359.6,     783.4,    1275.0,       0.0);
     ( 394828.0, 3869384.5,     783.4,    1275.0,       0.0);         (
394827.9, 3869409.4,     783.4,    1275.0,       0.0);
     ( 394827.8, 3869434.3,     783.4,    1275.0,       0.0);         (
394827.8, 3869459.2,     783.4,    1275.0,       0.0);
     ( 394827.7, 3869484.1,     783.4,    1275.0,       0.0);         (
394827.7, 3869509.0,     783.5,    1275.0,       0.0);
     ( 394827.6, 3869533.9,     784.0,    1275.0,       0.0);         (
394827.5, 3869558.8,     784.0,    1275.0,       0.0);
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( 394827.5, 3869583.6, 784.0, 1275.0, 0.0); (
394827.4, 3869608.5, 784.0, 1275.0, 0.0);
( 394827.3, 3869633.4, 784.0, 1275.0, 0.0); (
394827.3, 3869658.3, 784.0, 1275.0, 0.0);
( 394827.2, 3869683.2, 784.0, 1275.0, 0.0); (
394827.2, 3869708.1, 784.0, 1275.0, 0.0);
( 394827.1, 3869733.0, 784.0, 1275.0, 0.0); (
394827.0, 3869757.9, 784.0, 1275.0, 0.0);
( 394827.0, 3869782.8, 784.0, 1275.0, 0.0); (
394826.9, 3869807.7, 784.0, 1275.0, 0.0);
( 394826.8, 3869832.5, 784.0, 1275.0, 0.0); (
394826.8, 3869857.4, 784.0, 1275.0, 0.0);
( 394826.7, 3869882.3, 784.0, 1275.0, 0.0); (
394826.7, 3869907.2, 784.0, 1275.0, 0.0);
( 394826.6, 3869932.1, 784.0, 1275.0, 0.0); (
394826.5, 3869957.0, 784.0, 1275.0, 0.0);
( 394438.4, 3869037.0, 786.4, 1275.0, 0.0); (
394447.9, 3869014.0, 786.0, 1275.0, 0.0);
( 394457.5, 3868991.0, 786.0, 1275.0, 0.0); (
394467.0, 3868968.1, 786.0, 1275.0, 0.0);
( 394476.6, 3868945.1, 786.1, 1275.0, 0.0); (
394486.2, 3868922.1, 786.3, 1275.0, 0.0);
( 394495.8, 3868899.2, 786.4, 1275.0, 0.0); (
394505.3, 3868876.2, 786.0, 1275.0, 0.0);
( 394514.9, 3868853.2, 786.0, 1275.0, 0.0); (
394524.4, 3868830.2, 786.0, 1275.0, 0.0);
( 394534.0, 3868807.3, 786.0, 1275.0, 0.0); (
394543.6, 3868784.3, 785.9, 1275.0, 0.0);
( 394553.1, 3868761.3, 785.5, 1275.0, 0.0); (
394562.7, 3868738.4, 785.1, 1275.0, 0.0);
( 394572.3, 3868715.4, 785.0, 1275.0, 0.0); (
394581.8, 3868692.4, 785.0, 1275.0, 0.0);
( 394591.4, 3868669.5, 785.0, 1275.0, 0.0); (
394601.0, 3868646.5, 785.0, 1275.0, 0.0);
( 394610.5, 3868623.5, 784.8, 1275.0, 0.0); (
394620.1, 3868600.6, 784.3, 1275.0, 0.0);
( 394629.7, 3868577.6, 784.0, 1275.0, 0.0); (
394639.2, 3868554.6, 784.0, 1275.0, 0.0);
( 394648.8, 3868531.6, 784.0, 1275.0, 0.0); (
394658.3, 3868508.7, 784.0, 1275.0, 0.0);
( 394667.9, 3868485.7, 784.0, 1275.0, 0.0); (
394677.5, 3868462.8, 784.0, 1275.0, 0.0);
( 394687.0, 3868439.8, 784.0, 1275.0, 0.0); (
394696.6, 3868416.8, 784.0, 1275.0, 0.0);
( 394706.2, 3868393.8, 784.0, 1275.0, 0.0); (
394715.7, 3868370.9, 784.0, 1275.0, 0.0);
( 394725.3, 3868347.9, 783.8, 1275.0, 0.0); (
394734.9, 3868324.9, 783.5, 1275.0, 0.0);
( 394744.4, 3868302.0, 783.2, 1275.0, 0.0); (
394754.0, 3868279.0, 783.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 394763.6, 3868256.0,     783.0,    1275.0,       0.0);         (
394773.1, 3868233.1,     783.0,    1275.0,       0.0);
     ( 394782.7, 3868210.1,     783.0,    1275.0,       0.0);         (
394792.3, 3868187.1,     783.0,    1275.0,       0.0);
     ( 394801.8, 3868164.1,     783.0,    1275.0,       0.0);         (
394811.4, 3868141.2,     782.9,    1275.0,       0.0);
     ( 394821.0, 3868118.2,     782.5,    1245.0,       0.0);         (
394830.5, 3868095.2,     782.0,    1245.0,       0.0);
     ( 394863.1, 3868062.8,     782.0,     782.0,       0.0);         (
394886.1, 3868053.3,     781.8,     781.8,       0.0);
     ( 394909.1, 3868043.8,     781.2,     781.2,       0.0);         (
394932.1, 3868034.2,     781.0,     781.0,       0.0);
     ( 394955.0, 3868024.7,     781.0,     781.0,       0.0);         (
394978.0, 3868015.2,     781.0,     781.0,       0.0);
     ( 395001.0, 3868005.7,     780.6,     780.6,       0.0);         (
395024.0, 3867996.2,     780.0,     780.0,       0.0);
     ( 395047.0, 3867986.7,     780.0,     780.0,       0.0);         (
395070.0, 3867977.2,     780.0,     780.0,       0.0);
     ( 395093.0, 3867967.7,     779.5,     779.5,       0.0);         (
395116.0, 3867958.2,     779.0,     779.0,       0.0);
     ( 395139.0, 3867948.7,     779.0,     779.0,       0.0);         (
395162.0, 3867939.2,     779.0,     779.0,       0.0);
     ( 395185.0, 3867929.7,     778.5,     778.5,       0.0);         (
395208.0, 3867920.2,     778.0,     778.0,       0.0);
     ( 395231.0, 3867910.6,     778.0,     778.0,       0.0);         (
395254.0, 3867901.1,     778.0,     778.0,       0.0);
     ( 395277.0, 3867891.6,     777.4,     777.4,       0.0);         (
395300.0, 3867882.1,     777.0,     777.0,       0.0);
     ( 395322.9, 3867872.6,     776.9,     776.9,       0.0);         (
395345.9, 3867863.1,     776.1,     776.1,       0.0);
     ( 395368.9, 3867853.6,     776.0,     776.0,       0.0);         (
395391.9, 3867844.1,     775.6,     775.6,       0.0);
     ( 395414.9, 3867834.6,     775.0,     775.0,       0.0);         (
395437.9, 3867825.1,     775.0,     775.0,       0.0);
     ( 395460.9, 3867815.6,     774.5,     774.5,       0.0);         (
395483.9, 3867806.1,     774.3,     774.3,       0.0);
     ( 395506.9, 3867796.6,     774.0,     774.0,       0.0);         (
395529.9, 3867787.1,     774.0,     774.0,       0.0);
     ( 395552.9, 3867777.5,     774.0,     774.0,       0.0);         (
395575.9, 3867768.0,     774.0,     774.0,       0.0);
```

( 395598.9, 3867758.5, 774.0, 774.0, 0.0); (
395621.8, 3867749.0, 774.0, 774.0, 0.0);
( 395644.8, 3867739.5, 774.0, 774.0, 0.0); (
395667.8, 3867730.0, 774.0, 774.0, 0.0);
( 395690.8, 3867720.5, 774.0, 774.0, 0.0); (
395713.8, 3867711.0, 774.0, 774.0, 0.0);
( 395736.8, 3867701.5, 774.0, 774.0, 0.0); (
395759.8, 3867692.0, 774.0, 774.0, 0.0);
( 395782.8, 3867682.5, 773.6, 773.6, 0.0); (
395805.8, 3867673.0, 773.0, 773.0, 0.0);
( 394428.8, 3869059.9, 786.7, 1275.0, 0.0); (
394428.7, 3869084.8, 787.0, 1275.0, 0.0);
( 394428.7, 3869109.7, 787.0, 1275.0, 0.0); (
394428.6, 3869134.6, 787.0, 1275.0, 0.0);
( 394428.5, 3869159.5, 787.0, 1275.0, 0.0); (
394428.5, 3869184.4, 787.0, 1275.0, 0.0);
( 394428.4, 3869209.3, 787.0, 1275.0, 0.0); (
394428.4, 3869234.2, 787.0, 1275.0, 0.0);
( 394428.3, 3869259.1, 786.8, 1275.0, 0.0); (
394428.2, 3869283.9, 786.7, 1275.0, 0.0);
( 394428.2, 3869308.8, 786.7, 1275.0, 0.0); (
394428.1, 3869333.7, 786.5, 1275.0, 0.0);
( 394428.0, 3869358.6, 786.0, 1275.0, 0.0); (
394428.0, 3869383.5, 786.0, 1275.0, 0.0);
( 394427.9, 3869408.4, 786.0, 1275.0, 0.0); (
394427.8, 3869433.3, 786.0, 1275.0, 0.0);
( 394427.8, 3869458.2, 786.0, 1275.0, 0.0); (
394427.7, 3869483.1, 786.0, 1275.0, 0.0);
( 394427.7, 3869508.0, 786.0, 1275.0, 0.0); (
394427.6, 3869532.8, 786.0, 1275.0, 0.0);
( 394427.5, 3869557.7, 786.0, 1275.0, 0.0); (
394427.5, 3869582.6, 786.0, 1275.0, 0.0);
( 394427.4, 3869607.5, 786.0, 1275.0, 0.0); (
394427.3, 3869632.4, 785.9, 1275.0, 0.0);
( 394427.3, 3869657.3, 785.7, 1275.0, 0.0); (
394427.2, 3869682.2, 785.7, 1275.0, 0.0);
( 394427.2, 3869707.1, 785.7, 1275.0, 0.0); (
394427.1, 3869732.0, 785.8, 1275.0, 0.0);
( 394427.0, 3869756.9, 785.8, 1275.0, 0.0); (
394427.0, 3869781.8, 785.8, 1275.0, 0.0);
( 394426.9, 3869806.6, 786.0, 1275.0, 0.0); (
394426.8, 3869831.5, 786.0, 1275.0, 0.0);
( 394426.8, 3869856.4, 786.0, 1275.0, 0.0); (
394426.7, 3869881.3, 786.0, 1275.0, 0.0);
( 394426.7, 3869906.2, 786.0, 1275.0, 0.0); (
394426.6, 3869931.1, 786.0, 1275.0, 0.0);
( 394426.5, 3869956.0, 786.0, 1275.0, 0.0); (
394038.2, 3869036.2, 790.9, 1275.0, 0.0);
( 394047.7, 3869013.6, 791.0, 1275.0, 0.0); (
394057.1, 3868990.9, 791.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 394066.6, 3868968.2, 790.8, 1275.0, 0.0); ( 394076.0, 3868945.5, 790.4, 1275.0, 0.0);
( 394085.5, 3868922.9, 790.1, 1275.0, 0.0); ( 394094.9, 3868900.2, 790.0, 1275.0, 0.0);
( 394104.3, 3868877.5, 790.0, 1275.0, 0.0); ( 394113.8, 3868854.8, 790.0, 1275.0, 0.0);
( 394123.2, 3868832.2, 789.9, 1275.0, 0.0); ( 394132.7, 3868809.5, 789.6, 1275.0, 0.0);
( 394142.1, 3868786.8, 789.2, 1275.0, 0.0); ( 394151.5, 3868764.1, 789.0, 1275.0, 0.0);
( 394161.0, 3868741.5, 789.0, 1275.0, 0.0); ( 394170.4, 3868718.8, 789.0, 1275.0, 0.0);
( 394179.9, 3868696.1, 789.0, 1275.0, 0.0); ( 394189.3, 3868673.4, 789.0, 1275.0, 0.0);
( 394198.8, 3868650.8, 789.0, 1275.0, 0.0); ( 394208.2, 3868628.1, 789.0, 1275.0, 0.0);
( 394217.7, 3868605.4, 788.7, 1275.0, 0.0); ( 394227.1, 3868582.7, 788.4, 1275.0, 0.0);
( 394236.5, 3868560.1, 788.1, 1275.0, 0.0); ( 394246.0, 3868537.4, 788.0, 1275.0, 0.0);
( 394255.4, 3868514.7, 788.0, 1275.0, 0.0); ( 394264.9, 3868492.0, 788.0, 1275.0, 0.0);
( 394274.3, 3868469.3, 787.8, 1275.0, 0.0); ( 394283.8, 3868446.7, 787.5, 1275.0, 0.0);
( 394293.2, 3868424.0, 787.2, 1275.0, 0.0); ( 394302.6, 3868401.3, 787.0, 1275.0, 0.0);
( 394312.1, 3868378.6, 787.0, 1275.0, 0.0); ( 394321.5, 3868356.0, 787.1, 1275.0, 0.0);
( 394331.0, 3868333.3, 787.0, 1275.0, 0.0); ( 394340.4, 3868310.6, 787.0, 1275.0, 0.0);
( 394349.9, 3868287.9, 787.0, 1275.0, 0.0); ( 394359.3, 3868265.3, 787.0, 1275.0, 0.0);
( 394368.7, 3868242.6, 787.0, 1275.0, 0.0); ( 394378.2, 3868219.9, 787.0, 1275.0, 0.0);
( 394387.6, 3868197.2, 787.0, 1275.0, 0.0); ( 394397.1, 3868174.6, 786.8, 1275.0, 0.0);
( 394406.5, 3868151.9, 787.0, 1275.0, 0.0); ( 394416.0, 3868129.2, 787.0, 1275.0, 0.0);
( 394425.4, 3868106.5, 786.9, 1275.0, 0.0); ( 394434.8, 3868083.9, 786.8, 1275.0, 0.0);

( 394444.3, 3868061.2, 786.1, 1275.0, 0.0); (
394453.7, 3868038.5, 786.0, 1275.0, 0.0);
( 394463.2, 3868015.8, 786.0, 1275.0, 0.0); (
394472.6, 3867993.2, 786.0, 1275.0, 0.0);
( 394482.1, 3867970.5, 786.0, 1275.0, 0.0); (
394491.5, 3867947.8, 785.6, 1275.0, 0.0);
( 394501.0, 3867925.1, 785.3, 1275.0, 0.0); (
394510.4, 3867902.4, 785.0, 1264.0, 0.0);
( 394519.8, 3867879.8, 785.0, 1245.0, 0.0); (
394529.3, 3867857.1, 785.0, 785.0, 0.0);
( 394538.7, 3867834.4, 785.0, 785.0, 0.0); (
394548.2, 3867811.8, 784.7, 784.7, 0.0);
( 394580.3, 3867779.7, 784.0, 784.0, 0.0); (
394603.0, 3867770.3, 784.0, 784.0, 0.0);
( 394625.7, 3867760.9, 784.0, 784.0, 0.0); (
394648.4, 3867751.5, 783.4, 783.4, 0.0);
( 394671.1, 3867742.1, 783.0, 783.0, 0.0); (
394693.8, 3867732.8, 783.0, 783.0, 0.0);
( 394716.5, 3867723.4, 783.0, 783.0, 0.0); (
394739.2, 3867714.0, 782.3, 782.3, 0.0);
( 394761.9, 3867704.6, 782.0, 782.0, 0.0); (
394784.6, 3867695.2, 782.0, 782.0, 0.0);
( 394807.3, 3867685.8, 782.0, 782.0, 0.0); (
394830.0, 3867676.4, 781.3, 781.3, 0.0);
( 394852.7, 3867667.1, 781.0, 781.0, 0.0); (
394875.4, 3867657.7, 780.9, 780.9, 0.0);
( 394898.1, 3867648.3, 780.1, 780.1, 0.0); (
394920.8, 3867638.9, 780.1, 780.1, 0.0);
( 394943.5, 3867629.5, 780.0, 780.0, 0.0); (
394966.2, 3867620.1, 780.0, 780.0, 0.0);
( 394988.9, 3867610.7, 780.0, 780.0, 0.0); (
395011.6, 3867601.4, 780.0, 780.0, 0.0);
( 395034.3, 3867592.0, 779.5, 779.5, 0.0); (
395057.0, 3867582.6, 779.0, 779.0, 0.0);
( 395079.7, 3867573.2, 779.0, 779.0, 0.0); (
395102.4, 3867563.8, 779.0, 779.0, 0.0);
( 395125.1, 3867554.4, 778.5, 778.5, 0.0); (
395147.8, 3867545.0, 778.0, 778.0, 0.0);
( 395170.5, 3867535.7, 778.0, 778.0, 0.0); (
395193.2, 3867526.3, 778.0, 778.0, 0.0);
( 395215.9, 3867516.9, 778.0, 778.0, 0.0); (
395238.6, 3867507.5, 778.0, 778.0, 0.0);
( 395261.3, 3867498.1, 777.9, 777.9, 0.0); (
395284.0, 3867488.7, 777.2, 777.2, 0.0);
( 395306.7, 3867479.3, 777.0, 777.0, 0.0); (
395329.4, 3867470.0, 777.0, 777.0, 0.0);
( 395352.1, 3867460.6, 777.0, 777.0, 0.0); (
395374.8, 3867451.2, 777.0, 777.0, 0.0);
( 395397.5, 3867441.8, 777.0, 777.0, 0.0); (
395420.2, 3867432.4, 776.6, 776.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395442.9, 3867423.0, 776.0, 776.0, 0.0); ( 395465.6, 3867413.6, 776.0, 776.0, 0.0);
( 395488.3, 3867404.3, 775.4, 775.4, 0.0); ( 395511.0, 3867394.9, 775.2, 775.2, 0.0);
( 395533.7, 3867385.5, 774.9, 774.9, 0.0); ( 395556.4, 3867376.1, 774.1, 774.1, 0.0);
( 395579.1, 3867366.7, 774.1, 774.1, 0.0); ( 395601.8, 3867357.3, 774.0, 774.0, 0.0);
( 395624.5, 3867347.9, 774.0, 774.0, 0.0); ( 395647.2, 3867338.6, 774.0, 774.0, 0.0);
( 395669.9, 3867329.2, 774.0, 774.0, 0.0); ( 395692.6, 3867319.8, 774.0, 774.0, 0.0);
( 395715.3, 3867310.4, 774.0, 774.0, 0.0); ( 395738.0, 3867301.0, 774.0, 774.0, 0.0);
( 395760.7, 3867291.6, 774.0, 774.0, 0.0); ( 395783.4, 3867282.2, 774.0, 774.0, 0.0);
( 395806.1, 3867272.9, 774.0, 774.0, 0.0); ( 394028.8, 3869058.9, 791.0, 1275.0, 0.0);
( 394028.7, 3869083.8, 791.0, 1275.0, 0.0); ( 394028.7, 3869108.7, 791.0, 1275.0, 0.0);
( 394028.6, 3869133.6, 791.0, 1275.0, 0.0); ( 394028.5, 3869158.5, 790.6, 1275.0, 0.0);
( 394028.5, 3869183.4, 790.0, 1275.0, 0.0); ( 394028.4, 3869208.3, 790.0, 1275.0, 0.0);
( 394028.4, 3869233.2, 790.0, 1275.0, 0.0); ( 394028.3, 3869258.0, 790.0, 1275.0, 0.0);
( 394028.2, 3869282.9, 790.0, 1275.0, 0.0); ( 394028.2, 3869307.8, 790.0, 1275.0, 0.0);
( 394028.1, 3869332.7, 790.0, 1275.0, 0.0); ( 394028.0, 3869357.6, 790.0, 1275.0, 0.0);
( 394028.0, 3869382.5, 790.0, 1275.0, 0.0); ( 394027.9, 3869407.4, 790.0, 1275.0, 0.0);
( 394027.8, 3869432.3, 789.5, 1275.0, 0.0); ( 394027.8, 3869457.2, 789.1, 1275.0, 0.0);
( 394027.7, 3869482.1, 789.1, 1275.0, 0.0); ( 394027.7, 3869507.0, 789.1, 1275.0, 0.0);
( 394027.6, 3869531.8, 789.1, 1275.0, 0.0); ( 394027.5, 3869556.7, 789.1, 1275.0, 0.0);
( 394027.5, 3869581.6, 789.1, 1275.0, 0.0); ( 394027.4, 3869606.5, 789.1, 1275.0, 0.0);

( 394027.3, 3869631.4, 789.1, 1275.0, 0.0); (
394027.3, 3869656.3, 789.0, 1275.0, 0.0);
( 394027.2, 3869681.2, 789.1, 1275.0, 0.0); (
394027.2, 3869706.1, 789.1, 1275.0, 0.0);
( 394027.1, 3869731.0, 789.1, 1275.0, 0.0); (
394027.0, 3869755.9, 789.4, 1275.0, 0.0);
( 394027.0, 3869780.8, 790.0, 1275.0, 0.0); (
394026.9, 3869805.6, 790.0, 1275.0, 0.0);
( 394026.8, 3869830.5, 790.0, 1275.0, 0.0); (
394026.8, 3869855.4, 790.0, 1275.0, 0.0);
( 394026.7, 3869880.3, 790.0, 1275.0, 0.0); (
394026.7, 3869905.2, 790.0, 1275.0, 0.0);
( 394026.6, 3869930.1, 790.0, 1275.0, 0.0); (
394026.5, 3869955.0, 790.1, 1275.0, 0.0);
( 393638.3, 3869035.1, 792.0, 1275.0, 0.0); (
393647.8, 3869012.3, 792.0, 1275.0, 0.0);
( 393657.3, 3868989.4, 792.0, 1275.0, 0.0); (
393666.8, 3868966.6, 792.0, 1275.0, 0.0);
( 393676.3, 3868943.8, 792.0, 1275.0, 0.0); (
393685.8, 3868921.0, 792.0, 1275.0, 0.0);
( 393695.3, 3868898.1, 792.0, 1275.0, 0.0); (
393704.8, 3868875.3, 792.0, 1275.0, 0.0);
( 393714.3, 3868852.5, 792.0, 1275.0, 0.0); (
393723.8, 3868829.7, 792.0, 1275.0, 0.0);
( 393733.3, 3868806.8, 792.0, 1275.0, 0.0); (
393742.8, 3868784.0, 792.0, 1275.0, 0.0);
( 393752.4, 3868761.2, 792.0, 1275.0, 0.0); (
393761.9, 3868738.4, 791.4, 1275.0, 0.0);
( 393771.4, 3868715.6, 791.0, 1275.0, 0.0); (
393780.9, 3868692.7, 791.0, 1275.0, 0.0);
( 393790.4, 3868669.9, 791.0, 1275.0, 0.0); (
393799.9, 3868647.1, 791.0, 1275.0, 0.0);
( 393809.4, 3868624.3, 791.0, 1275.0, 0.0); (
393818.9, 3868601.4, 791.1, 1275.0, 0.0);
( 393828.4, 3868578.6, 791.6, 1275.0, 0.0); (
393837.9, 3868555.8, 791.8, 1275.0, 0.0);
( 393847.4, 3868533.0, 792.0, 1275.0, 0.0); (
393856.9, 3868510.1, 792.0, 1275.0, 0.0);
( 393866.4, 3868487.3, 792.0, 1275.0, 0.0); (
393875.9, 3868464.5, 792.0, 1275.0, 0.0);
( 393885.4, 3868441.7, 792.0, 1275.0, 0.0); (
393894.9, 3868418.8, 792.0, 1275.0, 0.0);
( 393904.4, 3868396.0, 792.0, 1275.0, 0.0); (
393913.9, 3868373.2, 792.0, 1275.0, 0.0);
( 393923.4, 3868350.4, 792.0, 1275.0, 0.0); (
393933.0, 3868327.5, 792.0, 1275.0, 0.0);
( 393942.5, 3868304.7, 792.0, 1275.0, 0.0); (
393952.0, 3868281.9, 792.0, 1275.0, 0.0);
( 393961.5, 3868259.1, 792.0, 1275.0, 0.0); (
393971.0, 3868236.2, 792.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 393980.5, 3868213.4,     792.0,    1275.0,       0.0);         (
393990.0, 3868190.6,     791.4,    1275.0,       0.0);
     ( 393999.5, 3868167.8,     791.0,    1275.0,       0.0);         (
394009.0, 3868144.9,     791.0,    1275.0,       0.0);
     ( 394018.5, 3868122.1,     790.9,    1275.0,       0.0);         (
394028.0, 3868099.3,     790.2,    1275.0,       0.0);
     ( 394037.5, 3868076.5,     790.0,    1275.0,       0.0);         (
394047.0, 3868053.7,     790.0,    1275.0,       0.0);
     ( 394056.5, 3868030.8,     790.0,    1275.0,       0.0);         (
394066.0, 3868008.0,     789.8,    1275.0,       0.0);
     ( 394075.5, 3867985.2,     789.1,    1275.0,       0.0);         (
394085.0, 3867962.4,     789.0,    1275.0,       0.0);
     ( 394094.5, 3867939.5,     789.0,    1275.0,       0.0);         (
394104.0, 3867916.7,     789.0,    1275.0,       0.0);
     ( 394113.5, 3867893.9,     789.0,    1275.0,       0.0);         (
394123.0, 3867871.1,     788.5,    1275.0,       0.0);
     ( 394132.5, 3867848.2,     788.0,    1275.0,       0.0);         (
394142.0, 3867825.4,     788.0,    1275.0,       0.0);
     ( 394151.6, 3867802.6,     788.0,    1275.0,       0.0);         (
394161.1, 3867779.8,     788.0,    1275.0,       0.0);
     ( 394170.6, 3867756.9,     788.0,    1275.0,       0.0);         (
394180.1, 3867734.1,     788.0,    1275.0,       0.0);
     ( 394189.6, 3867711.3,     787.7,    1275.0,       0.0);         (
394199.1, 3867688.5,     787.3,    1245.0,       0.0);
     ( 394208.6, 3867665.6,     787.0,    1245.0,       0.0);         (
394218.1, 3867642.8,     787.0,     787.0,       0.0);
     ( 394227.6, 3867620.0,     787.0,     787.0,       0.0);         (
394237.1, 3867597.2,     787.0,     787.0,       0.0);
     ( 394246.6, 3867574.3,     787.0,     787.0,       0.0);         (
394256.1, 3867551.5,     786.9,     786.9,       0.0);
     ( 394265.6, 3867528.7,     786.1,     786.1,       0.0);         (
394298.0, 3867496.4,     786.0,     786.0,       0.0);
     ( 394320.8, 3867487.0,     786.0,     786.0,       0.0);         (
394343.7, 3867477.5,     786.0,     786.0,       0.0);
     ( 394366.5, 3867468.1,     786.0,     786.0,       0.0);         (
394389.4, 3867458.6,     785.8,     785.8,       0.0);
     ( 394412.2, 3867449.2,     785.1,     785.1,       0.0);         (
394435.0, 3867439.7,     785.0,     785.0,       0.0);
     ( 394457.9, 3867430.3,     785.0,     785.0,       0.0);         (
394480.8, 3867420.8,     785.0,     785.0,       0.0);
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( 394503.6, 3867411.4, 784.2, 784.2, 0.0); ( 394526.5, 3867402.0, 784.0, 784.0, 0.0);
( 394549.3, 3867392.5, 783.9, 783.9, 0.0); ( 394572.1, 3867383.1, 783.2, 783.2, 0.0);
( 394595.0, 3867373.6, 783.0, 783.0, 0.0); ( 394617.8, 3867364.2, 783.0, 783.0, 0.0);
( 394640.7, 3867354.7, 783.0, 783.0, 0.0); ( 394663.5, 3867345.3, 782.9, 782.9, 0.0);
( 394686.4, 3867335.8, 782.1, 782.1, 0.0); ( 394709.2, 3867326.4, 782.0, 782.0, 0.0);
( 394732.1, 3867316.9, 782.0, 782.0, 0.0); ( 394754.9, 3867307.5, 781.8, 781.8, 0.0);
( 394777.8, 3867298.0, 781.1, 781.1, 0.0); ( 394800.6, 3867288.6, 781.0, 781.0, 0.0);
( 394823.5, 3867279.1, 781.0, 781.0, 0.0); ( 394846.3, 3867269.7, 780.8, 780.8, 0.0);
( 394869.2, 3867260.2, 780.0, 780.0, 0.0); ( 394892.0, 3867250.8, 780.0, 780.0, 0.0);
( 394914.9, 3867241.4, 780.0, 780.0, 0.0); ( 394937.7, 3867231.9, 780.0, 780.0, 0.0);
( 394960.6, 3867222.5, 780.0, 780.0, 0.0); ( 394983.4, 3867213.0, 780.0, 780.0, 0.0);
( 395006.3, 3867203.6, 779.4, 779.4, 0.0); ( 395029.1, 3867194.1, 779.0, 779.0, 0.0);
( 395052.0, 3867184.7, 779.0, 779.0, 0.0); ( 395074.8, 3867175.2, 779.0, 779.0, 0.0);
( 395097.6, 3867165.8, 779.0, 779.0, 0.0); ( 395120.5, 3867156.3, 779.0, 779.0, 0.0);
( 395143.3, 3867146.9, 778.9, 778.9, 0.0); ( 395166.2, 3867137.4, 778.1, 778.1, 0.0);
( 395189.0, 3867128.0, 778.0, 778.0, 0.0); ( 395211.9, 3867118.5, 778.0, 778.0, 0.0);
( 395234.7, 3867109.1, 778.0, 778.0, 0.0); ( 395257.6, 3867099.6, 778.0, 778.0, 0.0);
( 395280.4, 3867090.2, 778.0, 778.0, 0.0); ( 395303.3, 3867080.8, 778.0, 778.0, 0.0);
( 395326.1, 3867071.3, 778.0, 778.0, 0.0); ( 395349.0, 3867061.9, 778.0, 778.0, 0.0);
( 395371.8, 3867052.4, 778.0, 778.0, 0.0); ( 395394.7, 3867043.0, 777.5, 777.5, 0.0);
( 395417.5, 3867033.5, 777.0, 777.0, 0.0); ( 395440.4, 3867024.1, 777.0, 777.0, 0.0);
( 395463.2, 3867014.6, 777.0, 777.0, 0.0); ( 395486.1, 3867005.2, 777.0, 777.0, 0.0);
( 395508.9, 3866995.7, 776.9, 776.9, 0.0); ( 395531.8, 3866986.3, 776.9, 776.9, 0.0);
( 395554.6, 3866976.8, 776.2, 776.2, 0.0); ( 395577.5, 3866967.4, 776.0, 776.0, 0.0);
( 395600.3, 3866957.9, 776.0, 776.0, 0.0); ( 395623.2, 3866948.5, 776.0, 776.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395646.0, 3866939.0,     776.0,     776.0,       0.0);         (
395668.8, 3866929.6,     775.9,     775.9,       0.0);
     ( 395691.7, 3866920.1,     775.6,     775.6,       0.0);         (
395714.5, 3866910.7,     775.0,     775.0,       0.0);
     ( 395737.4, 3866901.3,     775.0,     775.0,       0.0);         (
395760.2, 3866891.8,     775.0,     775.0,       0.0);
     ( 395783.1, 3866882.4,     775.0,     775.0,       0.0);         (
395805.9, 3866872.9,     775.0,     775.0,       0.0);
     ( 393628.8, 3869057.9,     792.0,    1275.0,       0.0);         (
393628.7, 3869082.8,     792.0,    1275.0,       0.0);
     ( 393628.7, 3869107.7,     792.0,    1275.0,       0.0);         (
393628.6, 3869132.6,     792.0,    1275.0,       0.0);
     ( 393628.5, 3869157.5,     792.0,    1275.0,       0.0);         (
393628.5, 3869182.4,     792.0,    1275.0,       0.0);
     ( 393628.4, 3869207.3,     792.0,    1275.0,       0.0);         (
393628.4, 3869232.1,     792.0,    1275.0,       0.0);
     ( 393628.3, 3869257.0,     792.0,    1275.0,       0.0);         (
393628.2, 3869281.9,     792.0,    1275.0,       0.0);
     ( 393628.2, 3869306.8,     792.0,    1275.0,       0.0);         (
393628.1, 3869331.7,     792.0,    1275.0,       0.0);
     ( 393628.0, 3869356.6,     792.0,    1275.0,       0.0);         (
393628.0, 3869381.5,     792.0,    1275.0,       0.0);
     ( 393627.9, 3869406.4,     792.7,    1275.0,       0.0);         (
393627.9, 3869431.3,     793.0,    1275.0,       0.0);
     ( 393627.8, 3869456.2,     793.0,    1275.0,       0.0);         (
393627.7, 3869481.1,     793.0,    1275.0,       0.0);
     ( 393627.7, 3869505.9,     793.0,    1275.0,       0.0);         (
393627.6, 3869530.8,     792.5,    1275.0,       0.0);
     ( 393627.5, 3869555.7,     792.8,    1275.0,       0.0);         (
393627.5, 3869580.6,     793.0,    1275.0,       0.0);
     ( 393627.4, 3869605.5,     793.0,    1275.0,       0.0);         (
393627.3, 3869630.4,     792.8,    1275.0,       0.0);
     ( 393627.3, 3869655.3,     792.0,    1275.0,       0.0);         (
393627.2, 3869680.2,     792.0,    1275.0,       0.0);
     ( 393627.2, 3869705.1,     792.6,    1275.0,       0.0);         (
393627.1, 3869730.0,     792.7,    1275.0,       0.0);
     ( 393627.0, 3869754.8,     792.7,    1275.0,       0.0);         (
393627.0, 3869779.7,     793.7,    1275.0,       0.0);
     ( 393626.9, 3869804.6,     795.4,    1275.0,       0.0);         (
393626.8, 3869829.5,     796.6,    1275.0,       0.0);
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( 393626.8, 3869854.4, 798.1, 1275.0, 0.0); (
393626.7, 3869879.3, 800.4, 1275.0, 0.0);
( 393626.7, 3869904.2, 803.4, 1275.0, 0.0); (
393626.6, 3869929.1, 806.8, 1275.0, 0.0);
( 393626.5, 3869954.0, 808.5, 1275.0, 0.0); (
393238.3, 3869034.0, 796.8, 1275.0, 0.0);
( 393247.9, 3869011.1, 797.0, 1275.0, 0.0); (
393257.4, 3868988.1, 796.7, 1275.0, 0.0);
( 393267.0, 3868965.2, 796.4, 1275.0, 0.0); (
393276.5, 3868942.3, 796.1, 1275.0, 0.0);
( 393286.1, 3868919.3, 796.0, 1275.0, 0.0); (
393295.6, 3868896.4, 796.0, 1275.0, 0.0);
( 393305.2, 3868873.5, 796.0, 1275.0, 0.0); (
393314.7, 3868850.6, 795.8, 1275.0, 0.0);
( 393324.3, 3868827.6, 795.5, 1275.0, 0.0); (
393333.8, 3868804.7, 795.5, 1275.0, 0.0);
( 393343.4, 3868781.8, 795.9, 1275.0, 0.0); (
393352.9, 3868758.8, 795.5, 1275.0, 0.0);
( 393362.5, 3868735.9, 795.2, 1275.0, 0.0); (
393372.0, 3868713.0, 795.0, 1275.0, 0.0);
( 393381.6, 3868690.1, 795.0, 1275.0, 0.0); (
393391.1, 3868667.1, 795.0, 1275.0, 0.0);
( 393400.7, 3868644.2, 795.0, 1275.0, 0.0); (
393410.2, 3868621.3, 795.0, 1275.0, 0.0);
( 393419.8, 3868598.3, 795.0, 1275.0, 0.0); (
393429.3, 3868575.4, 795.0, 1275.0, 0.0);
( 393438.8, 3868552.5, 794.7, 1275.0, 0.0); (
393448.4, 3868529.6, 794.4, 1275.0, 0.0);
( 393458.0, 3868506.6, 794.0, 1275.0, 0.0); (
393467.5, 3868483.7, 794.0, 1275.0, 0.0);
( 393477.0, 3868460.8, 794.0, 1275.0, 0.0); (
393486.6, 3868437.9, 794.1, 1275.0, 0.0);
( 393496.1, 3868414.9, 794.0, 1275.0, 0.0); (
393505.7, 3868392.0, 794.0, 1275.0, 0.0);
( 393515.2, 3868369.1, 794.0, 1275.0, 0.0); (
393524.8, 3868346.1, 793.9, 1275.0, 0.0);
( 393534.3, 3868323.2, 794.0, 1275.0, 0.0); (
393543.9, 3868300.3, 794.0, 1275.0, 0.0);
( 393553.4, 3868277.4, 793.9, 1275.0, 0.0); (
393563.0, 3868254.4, 793.2, 1275.0, 0.0);
( 393572.5, 3868231.5, 793.0, 1275.0, 0.0); (
393582.1, 3868208.6, 793.0, 1275.0, 0.0);
( 393591.6, 3868185.6, 793.0, 1275.0, 0.0); (
393601.2, 3868162.7, 793.0, 1275.0, 0.0);
( 393610.7, 3868139.8, 793.0, 1275.0, 0.0); (
393620.3, 3868116.9, 792.6, 1275.0, 0.0);
( 393629.8, 3868093.9, 792.3, 1275.0, 0.0); (
393639.4, 3868071.0, 792.0, 1275.0, 0.0);
( 393648.9, 3868048.1, 792.4, 1275.0, 0.0); (
393658.5, 3868025.1, 792.4, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 393668.0, 3868002.2,     792.0,    1275.0,       0.0);         (
393677.5, 3867979.3,     792.0,    1275.0,       0.0);
     ( 393687.1, 3867956.4,     792.0,    1275.0,       0.0);         (
393696.6, 3867933.4,     792.0,    1275.0,       0.0);
     ( 393706.2, 3867910.5,     792.0,    1275.0,       0.0);         (
393715.7, 3867887.6,     791.5,    1275.0,       0.0);
     ( 393725.3, 3867864.7,     791.1,    1275.0,       0.0);         (
393734.8, 3867841.7,     791.0,    1275.0,       0.0);
     ( 393744.4, 3867818.8,     791.0,    1275.0,       0.0);         (
393753.9, 3867795.9,     791.0,    1275.0,       0.0);
     ( 393763.5, 3867772.9,     791.0,    1275.0,       0.0);         (
393773.0, 3867750.0,     791.0,    1275.0,       0.0);
     ( 393782.6, 3867727.1,     791.0,    1275.0,       0.0);         (
393792.1, 3867704.2,     791.0,    1275.0,       0.0);
     ( 393801.7, 3867681.2,     790.7,    1275.0,       0.0);         (
393811.2, 3867658.3,     790.3,    1275.0,       0.0);
     ( 393820.8, 3867635.4,     790.0,    1275.0,       0.0);         (
393830.3, 3867612.4,     790.0,    1275.0,       0.0);
     ( 393839.9, 3867589.5,     790.0,    1275.0,       0.0);         (
393849.4, 3867566.6,     790.0,    1275.0,       0.0);
     ( 393859.0, 3867543.7,     790.0,    1275.0,       0.0);         (
393868.5, 3867520.7,     790.0,    1245.0,       0.0);
     ( 393878.1, 3867497.8,     790.0,    1245.0,       0.0);         (
393887.6, 3867474.9,     789.8,     789.8,       0.0);
     ( 393897.1, 3867451.9,     789.4,     789.4,       0.0);         (
393906.7, 3867429.0,     789.1,     789.1,       0.0);
     ( 393916.2, 3867406.1,     789.0,     789.0,       0.0);         (
393925.8, 3867383.2,     789.0,     789.0,       0.0);
     ( 393935.3, 3867360.2,     789.0,     789.0,       0.0);         (
393944.9, 3867337.3,     789.0,     789.0,       0.0);
     ( 393954.4, 3867314.4,     789.0,     789.0,       0.0);         (
393964.0, 3867291.5,     789.0,     789.0,       0.0);
     ( 393973.5, 3867268.5,     788.9,     788.9,       0.0);         (
393983.1, 3867245.6,     788.5,     788.5,       0.0);
     ( 394015.6, 3867213.2,     788.0,     788.0,       0.0);         (
394038.5, 3867203.7,     788.0,     788.0,       0.0);
     ( 394061.5, 3867194.2,     787.9,     787.9,       0.0);         (
394084.4, 3867184.7,     787.2,     787.2,       0.0);
     ( 394107.4, 3867175.2,     787.0,     787.0,       0.0);         (
394130.3, 3867165.7,     787.0,     787.0,       0.0);
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( 394153.3, 3867156.2, 786.9, 786.9, 0.0); ( 394176.2, 3867146.8, 786.7, 786.7, 0.0);
( 394199.2, 3867137.3, 786.9, 786.9, 0.0); ( 394222.1, 3867127.8, 786.7, 786.7, 0.0);
( 394245.1, 3867118.3, 786.5, 786.5, 0.0); ( 394268.1, 3867108.8, 786.0, 786.0, 0.0);
( 394291.0, 3867099.3, 786.0, 786.0, 0.0); ( 394314.0, 3867089.8, 786.0, 786.0, 0.0);
( 394336.9, 3867080.3, 785.8, 785.8, 0.0); ( 394359.9, 3867070.8, 785.0, 785.0, 0.0);
( 394382.8, 3867061.3, 785.0, 785.0, 0.0); ( 394405.8, 3867051.8, 785.0, 785.0, 0.0);
( 394428.7, 3867042.4, 785.0, 785.0, 0.0); ( 394451.7, 3867032.9, 784.5, 784.5, 0.0);
( 394474.6, 3867023.4, 784.0, 784.0, 0.0); ( 394497.6, 3867013.9, 784.0, 784.0, 0.0);
( 394520.5, 3867004.4, 784.0, 784.0, 0.0); ( 394543.5, 3866994.9, 783.9, 783.9, 0.0);
( 394566.4, 3866985.4, 783.1, 783.1, 0.0); ( 394589.4, 3866975.9, 783.0, 783.0, 0.0);
( 394612.3, 3866966.4, 783.0, 783.0, 0.0); ( 394635.3, 3866956.9, 782.8, 782.8, 0.0);
( 394658.2, 3866947.5, 782.3, 782.3, 0.0); ( 394681.2, 3866938.0, 782.2, 782.2, 0.0);
( 394704.1, 3866928.5, 782.0, 782.0, 0.0); ( 394727.1, 3866919.0, 782.0, 782.0, 0.0);
( 394750.0, 3866909.5, 782.0, 782.0, 0.0); ( 394773.0, 3866900.0, 781.9, 781.9, 0.0);
( 394796.0, 3866890.5, 781.4, 781.4, 0.0); ( 394818.9, 3866881.0, 781.0, 781.0, 0.0);
( 394841.9, 3866871.5, 781.0, 781.0, 0.0); ( 394864.8, 3866862.0, 781.0, 781.0, 0.0);
( 394887.8, 3866852.6, 780.6, 780.6, 0.0); ( 394910.7, 3866843.1, 780.5, 780.5, 0.0);
( 394933.7, 3866833.6, 780.0, 780.0, 0.0); ( 394956.6, 3866824.1, 780.0, 780.0, 0.0);
( 394979.6, 3866814.6, 780.0, 780.0, 0.0); ( 395002.5, 3866805.1, 780.0, 780.0, 0.0);
( 395025.5, 3866795.6, 780.0, 780.0, 0.0); ( 395048.4, 3866786.1, 780.0, 780.0, 0.0);
( 395071.4, 3866776.6, 780.0, 780.0, 0.0); ( 395094.3, 3866767.1, 780.0, 780.0, 0.0);
( 395117.3, 3866757.7, 780.0, 780.0, 0.0); ( 395140.2, 3866748.2, 780.0, 780.0, 0.0);
( 395163.2, 3866738.7, 779.4, 779.4, 0.0); ( 395186.1, 3866729.2, 779.2, 779.2, 0.0);
( 395209.1, 3866719.7, 779.0, 779.0, 0.0); ( 395232.0, 3866710.2, 779.0, 779.0, 0.0);
( 395255.0, 3866700.7, 779.0, 779.0, 0.0); ( 395277.9, 3866691.2, 779.0, 779.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395300.9, 3866681.7, 779.0, 779.0, 0.0); ( 395323.8, 3866672.2, 778.8, 778.8, 0.0);
( 395346.8, 3866662.8, 778.1, 778.1, 0.0); ( 395369.8, 3866653.3, 778.0, 778.0, 0.0);
( 395392.7, 3866643.8, 778.0, 778.0, 0.0); ( 395415.6, 3866634.3, 778.0, 778.0, 0.0);
( 395438.6, 3866624.8, 778.0, 778.0, 0.0); ( 395461.6, 3866615.3, 778.0, 778.0, 0.0);
( 395484.5, 3866605.8, 777.5, 777.5, 0.0); ( 395507.5, 3866596.3, 777.0, 777.0, 0.0);
( 395530.4, 3866586.8, 777.0, 777.0, 0.0); ( 395553.4, 3866577.3, 777.0, 777.0, 0.0);
( 395576.3, 3866567.9, 777.0, 777.0, 0.0); ( 395599.3, 3866558.4, 777.0, 777.0, 0.0);
( 395622.2, 3866548.9, 776.9, 776.9, 0.0); ( 395645.2, 3866539.4, 776.1, 776.1, 0.0);
( 395668.1, 3866529.9, 776.1, 776.1, 0.0); ( 395691.1, 3866520.4, 776.0, 776.0, 0.0);
( 395714.0, 3866510.9, 776.0, 776.0, 0.0); ( 395737.0, 3866501.4, 776.0, 776.0, 0.0);
( 395759.9, 3866491.9, 776.0, 776.0, 0.0); ( 395782.9, 3866482.4, 776.0, 776.0, 0.0);
( 395805.8, 3866473.0, 776.0, 776.0, 0.0); ( 393228.8, 3869056.9, 796.7, 1275.0, 0.0);
( 393228.7, 3869081.8, 796.7, 1275.0, 0.0); ( 393228.7, 3869106.7, 796.7, 1275.0, 0.0);
( 393228.6, 3869131.6, 796.7, 1275.0, 0.0); ( 393228.5, 3869156.5, 796.4, 1275.0, 0.0);
( 393228.5, 3869181.4, 796.0, 1275.0, 0.0); ( 393228.4, 3869206.2, 796.0, 1275.0, 0.0);
( 393228.4, 3869231.1, 796.0, 1275.0, 0.0); ( 393228.3, 3869256.0, 796.0, 1275.0, 0.0);
( 393228.2, 3869280.9, 796.0, 1275.0, 0.0); ( 393228.2, 3869305.8, 796.0, 1275.0, 0.0);
( 393228.1, 3869330.7, 796.0, 1275.0, 0.0); ( 393228.0, 3869355.6, 796.0, 1275.0, 0.0);
( 393228.0, 3869380.5, 796.0, 1275.0, 0.0); ( 393227.9, 3869405.4, 796.0, 1275.0, 0.0);
( 393227.9, 3869430.3, 796.0, 1275.0, 0.0); ( 393227.8, 3869455.2, 796.2, 1275.0, 0.0);

( 393227.7, 3869480.0, 796.8, 1275.0, 0.0); (
393227.7, 3869504.9, 797.0, 1275.0, 0.0);
( 393227.6, 3869529.8, 797.0, 1275.0, 0.0); (
393227.5, 3869554.7, 797.6, 1275.0, 0.0);
( 393227.5, 3869579.6, 798.3, 1275.0, 0.0); (
393227.4, 3869604.5, 799.3, 1275.0, 0.0);
( 393227.3, 3869629.4, 801.0, 1275.0, 0.0); (
393227.3, 3869654.3, 804.1, 1275.0, 0.0);
( 393227.2, 3869679.2, 806.0, 1275.0, 0.0); (
393227.2, 3869704.1, 807.7, 1275.0, 0.0);
( 393227.1, 3869728.9, 809.8, 1275.0, 0.0); (
393227.0, 3869753.8, 812.1, 1275.0, 0.0);
( 393227.0, 3869778.7, 814.0, 1275.0, 0.0); (
393226.9, 3869803.6, 815.6, 1275.0, 0.0);
( 393226.8, 3869828.5, 818.8, 1275.0, 0.0); (
393226.8, 3869853.4, 822.1, 1275.0, 0.0);
( 393226.7, 3869878.3, 826.0, 1275.0, 0.0); (
393226.7, 3869903.2, 830.7, 1275.0, 0.0);
( 393226.6, 3869928.1, 836.3, 1275.0, 0.0); (
393226.5, 3869953.0, 843.7, 1275.0, 0.0);
( 395826.5, 3869984.5, 779.0, 1275.0, 0.0); (
395851.5, 3869984.5, 779.0, 1275.0, 0.0);
( 395876.4, 3869984.5, 779.0, 1275.0, 0.0); (
395901.4, 3869984.5, 779.0, 1275.0, 0.0);
( 395926.3, 3869984.5, 778.8, 1275.0, 0.0); (
395951.2, 3869984.5, 778.0, 1275.0, 0.0);
( 395976.2, 3869984.5, 778.0, 1275.0, 0.0); (
396001.1, 3869984.5, 778.0, 1275.0, 0.0);
( 396026.1, 3869984.5, 778.0, 1275.0, 0.0); (
396051.0, 3869984.5, 778.0, 1275.0, 0.0);
( 396076.0, 3869984.5, 778.0, 1275.0, 0.0); (
396100.9, 3869984.5, 777.9, 1275.0, 0.0);
( 396125.9, 3869984.5, 777.1, 1275.0, 0.0); (
396150.8, 3869984.5, 777.0, 777.0, 0.0);
( 396175.8, 3869984.5, 777.0, 777.0, 0.0); (
396200.7, 3869984.5, 777.0, 777.0, 0.0);
( 396225.6, 3869984.5, 777.0, 777.0, 0.0); (
396250.6, 3869984.5, 776.9, 776.9, 0.0);
( 396275.5, 3869984.5, 776.1, 776.1, 0.0); (
396300.5, 3869984.5, 776.0, 776.0, 0.0);
( 396325.4, 3869984.5, 776.0, 776.0, 0.0); (
396350.4, 3869984.5, 776.0, 776.0, 0.0);
( 396375.3, 3869984.5, 776.0, 776.0, 0.0); (
396400.3, 3869984.5, 776.0, 776.0, 0.0);
( 396425.2, 3869984.5, 776.0, 776.0, 0.0); (
396450.1, 3869984.5, 776.0, 776.0, 0.0);
( 396475.1, 3869984.5, 776.0, 776.0, 0.0); (
396500.0, 3869984.5, 775.6, 775.6, 0.0);
( 396525.0, 3869984.5, 775.0, 775.0, 0.0); (
396549.9, 3869984.5, 775.0, 775.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396574.9, 3869984.5,     775.0,     775.0,       0.0);         (
396599.8, 3869984.5,     775.0,     775.0,       0.0);
     ( 396624.8, 3869984.6,     774.5,     774.5,       0.0);         (
396649.7, 3869984.6,     774.0,     774.0,       0.0);
     ( 396674.6, 3869984.6,     774.0,     774.0,       0.0);         (
396699.6, 3869984.6,     774.0,     774.0,       0.0);
     ( 396724.5, 3869984.6,     774.0,     774.0,       0.0);         (
395808.8, 3870002.2,     779.0,    1275.0,       0.0);
     ( 395851.5, 3870009.5,     779.0,    1275.0,       0.0);         (
395876.4, 3870009.5,     779.0,    1275.0,       0.0);
     ( 395901.4, 3870009.5,     779.0,    1275.0,       0.0);         (
395926.3, 3870009.5,     778.8,    1275.0,       0.0);
     ( 395951.2, 3870009.5,     778.0,    1275.0,       0.0);         (
395976.2, 3870009.5,     778.0,    1275.0,       0.0);
     ( 396001.1, 3870009.5,     778.0,    1275.0,       0.0);         (
396026.1, 3870009.5,     778.0,    1275.0,       0.0);
     ( 396051.0, 3870009.5,     778.0,    1275.0,       0.0);         (
396076.0, 3870009.5,     778.0,    1275.0,       0.0);
     ( 396100.9, 3870009.5,     778.0,    1275.0,       0.0);         (
396125.9, 3870009.5,     777.8,    1275.0,       0.0);
     ( 396150.8, 3870009.5,     777.2,     777.2,       0.0);         (
396175.8, 3870009.5,     777.0,     777.0,       0.0);
     ( 396200.7, 3870009.5,     777.0,     777.0,       0.0);         (
396225.6, 3870009.5,     777.0,     777.0,       0.0);
     ( 396250.6, 3870009.5,     777.0,     777.0,       0.0);         (
396275.5, 3870009.5,     776.8,     776.8,       0.0);
     ( 396300.5, 3870009.5,     776.2,     776.2,       0.0);         (
396325.4, 3870009.5,     776.0,     776.0,       0.0);
     ( 396350.4, 3870009.5,     776.0,     776.0,       0.0);         (
396375.3, 3870009.5,     776.0,     776.0,       0.0);
     ( 396400.3, 3870009.5,     776.0,     776.0,       0.0);         (
396425.2, 3870009.5,     776.0,     776.0,       0.0);
     ( 396450.1, 3870009.5,     776.0,     776.0,       0.0);         (
396475.1, 3870009.5,     776.0,     776.0,       0.0);
     ( 396500.0, 3870009.5,     775.9,     775.9,       0.0);         (
396525.0, 3870009.5,     775.7,     775.7,       0.0);
     ( 396549.9, 3870009.5,     775.0,     775.0,       0.0);         (
396574.9, 3870009.5,     775.0,     775.0,       0.0);
     ( 396599.8, 3870009.5,     775.0,     775.0,       0.0);         (
396624.8, 3870009.6,     774.9,     774.9,       0.0);
```

( 396649.7, 3870009.6, 774.5, 774.5, 0.0); (
396674.6, 3870009.6, 774.1, 774.1, 0.0);
( 396699.6, 3870009.6, 774.8, 774.8, 0.0); (
396724.5, 3870009.6, 774.8, 774.8, 0.0);
( 395808.8, 3870027.2, 779.0, 1275.0, 0.0); (
395766.1, 3869994.8, 779.0, 1275.0, 0.0);
( 395851.5, 3870034.5, 779.0, 1275.0, 0.0); (
395876.4, 3870034.5, 779.0, 1275.0, 0.0);
( 395901.4, 3870034.5, 779.0, 1275.0, 0.0); (
395926.3, 3870034.5, 778.9, 1275.0, 0.0);
( 395951.2, 3870034.5, 778.6, 1275.0, 0.0); (
395976.2, 3870034.5, 778.1, 1275.0, 0.0);
( 396001.1, 3870034.5, 778.0, 1275.0, 0.0); (
396026.1, 3870034.5, 778.0, 1275.0, 0.0);
( 396051.0, 3870034.5, 778.0, 1275.0, 0.0); (
396076.0, 3870034.5, 778.0, 1275.0, 0.0);
( 396100.9, 3870034.5, 778.0, 1275.0, 0.0); (
396125.9, 3870034.5, 778.0, 1275.0, 0.0);
( 396150.8, 3870034.5, 777.3, 1273.0, 0.0); (
396175.8, 3870034.5, 777.0, 777.0, 0.0);
( 396200.7, 3870034.5, 777.0, 777.0, 0.0); (
396225.6, 3870034.5, 777.0, 777.0, 0.0);
( 396250.6, 3870034.5, 777.0, 777.0, 0.0); (
396275.5, 3870034.5, 777.0, 777.0, 0.0);
( 396300.5, 3870034.5, 776.8, 776.8, 0.0); (
396325.4, 3870034.5, 776.3, 776.3, 0.0);
( 396350.4, 3870034.5, 776.0, 776.0, 0.0); (
396375.3, 3870034.5, 776.0, 776.0, 0.0);
( 396400.3, 3870034.5, 776.0, 776.0, 0.0); (
396425.2, 3870034.5, 776.0, 776.0, 0.0);
( 396450.1, 3870034.5, 776.0, 776.0, 0.0); (
396475.1, 3870034.5, 776.0, 776.0, 0.0);
( 396500.0, 3870034.5, 776.0, 776.0, 0.0); (
396525.0, 3870034.5, 775.9, 775.9, 0.0);
( 396549.9, 3870034.5, 775.6, 775.6, 0.0); (
396574.9, 3870034.5, 775.1, 775.1, 0.0);
( 396599.8, 3870034.5, 775.0, 775.0, 0.0); (
396624.8, 3870034.6, 775.0, 775.0, 0.0);
( 396649.7, 3870034.6, 774.9, 774.9, 0.0); (
396674.6, 3870034.6, 774.7, 774.7, 0.0);
( 396699.6, 3870034.6, 775.0, 775.0, 0.0); (
396724.5, 3870034.6, 775.0, 775.0, 0.0);
( 395808.8, 3870052.2, 779.1, 1275.0, 0.0); (
395773.4, 3870037.5, 779.6, 1275.0, 0.0);
( 395748.4, 3870012.4, 779.6, 1275.0, 0.0); (
395851.5, 3870059.5, 779.0, 1275.0, 0.0);
( 395876.4, 3870059.5, 779.0, 1275.0, 0.0); (
395901.4, 3870059.5, 779.0, 1275.0, 0.0);
( 395926.3, 3870059.5, 779.0, 1275.0, 0.0); (
395951.2, 3870059.5, 779.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395976.2, 3870059.5, 778.5, 1275.0, 0.0); ( 396001.1, 3870059.5, 778.1, 1275.0, 0.0);
( 396026.1, 3870059.5, 778.0, 1275.0, 0.0); ( 396051.0, 3870059.5, 778.0, 1275.0, 0.0);
( 396076.0, 3870059.5, 778.0, 1275.0, 0.0); ( 396100.9, 3870059.5, 778.0, 1275.0, 0.0);
( 396125.9, 3870059.5, 778.0, 1275.0, 0.0); ( 396150.8, 3870059.5, 777.6, 1275.0, 0.0);
( 396175.8, 3870059.5, 777.2, 777.2, 0.0); ( 396200.7, 3870059.5, 777.0, 777.0, 0.0);
( 396225.6, 3870059.5, 777.0, 777.0, 0.0); ( 396250.6, 3870059.5, 777.0, 777.0, 0.0);
( 396275.5, 3870059.5, 777.0, 777.0, 0.0); ( 396300.5, 3870059.5, 777.0, 777.0, 0.0);
( 396325.4, 3870059.5, 776.7, 776.7, 0.0); ( 396350.4, 3870059.5, 776.3, 776.3, 0.0);
( 396375.3, 3870059.5, 776.0, 776.0, 0.0); ( 396400.2, 3870059.5, 776.0, 776.0, 0.0);
( 396425.2, 3870059.5, 776.0, 776.0, 0.0); ( 396450.1, 3870059.5, 776.0, 776.0, 0.0);
( 396475.1, 3870059.5, 776.0, 776.0, 0.0); ( 396500.0, 3870059.5, 776.0, 776.0, 0.0);
( 396525.0, 3870059.5, 776.0, 776.0, 0.0); ( 396549.9, 3870059.5, 776.0, 776.0, 0.0);
( 396574.9, 3870059.5, 775.5, 775.5, 0.0); ( 396599.8, 3870059.5, 775.5, 775.5, 0.0);
( 396624.8, 3870059.6, 775.5, 775.5, 0.0); ( 396649.7, 3870059.6, 775.5, 775.5, 0.0);
( 396674.6, 3870059.6, 775.4, 775.4, 0.0); ( 396699.6, 3870059.6, 775.0, 775.0, 0.0);
( 396724.5, 3870059.6, 775.0, 775.0, 0.0); ( 395805.3, 3870100.7, 780.0, 1275.0, 0.0);
( 395784.0, 3870091.9, 780.0, 1275.0, 0.0); ( 395762.8, 3870083.1, 780.0, 1275.0, 0.0);
( 395741.6, 3870074.3, 780.0, 1275.0, 0.0); ( 395711.6, 3870044.2, 780.0, 1275.0, 0.0);
( 395702.8, 3870022.9, 780.0, 1275.0, 0.0); ( 395694.0, 3870001.7, 780.0, 1275.0, 0.0);
( 395685.3, 3869980.4, 780.0, 1275.0, 0.0); ( 395826.5, 3870109.5, 780.0, 1275.0, 0.0);

( 395851.5, 3870109.5, 779.4, 1275.0, 0.0); (
395876.4, 3870109.5, 779.1, 1275.0, 0.0);
( 395901.4, 3870109.5, 779.0, 1275.0, 0.0); (
395926.3, 3870109.5, 779.0, 1275.0, 0.0);
( 395951.2, 3870109.5, 779.0, 1275.0, 0.0); (
395976.2, 3870109.5, 779.0, 1275.0, 0.0);
( 396001.1, 3870109.5, 779.0, 1275.0, 0.0); (
396026.1, 3870109.5, 778.4, 1275.0, 0.0);
( 396051.0, 3870109.5, 778.0, 1275.0, 0.0); (
396076.0, 3870109.5, 778.0, 1275.0, 0.0);
( 396100.9, 3870109.5, 778.0, 1275.0, 0.0); (
396125.9, 3870109.5, 778.0, 1275.0, 0.0);
( 396150.8, 3870109.5, 778.0, 1275.0, 0.0); (
396175.8, 3870109.5, 778.0, 1273.0, 0.0);
( 396200.7, 3870109.5, 777.7, 777.7, 0.0); (
396225.6, 3870109.5, 777.1, 777.1, 0.0);
( 396250.6, 3870109.5, 777.0, 777.0, 0.0); (
396275.5, 3870109.5, 777.0, 777.0, 0.0);
( 396300.5, 3870109.5, 777.0, 777.0, 0.0); (
396325.4, 3870109.5, 777.0, 777.0, 0.0);
( 396350.4, 3870109.5, 777.0, 777.0, 0.0); (
396375.3, 3870109.5, 776.8, 776.8, 0.0);
( 396400.2, 3870109.5, 776.1, 776.1, 0.0); (
396425.2, 3870109.5, 776.0, 776.0, 0.0);
( 396450.1, 3870109.5, 776.0, 776.0, 0.0); (
396475.1, 3870109.5, 776.0, 776.0, 0.0);
( 396500.0, 3870109.5, 776.0, 776.0, 0.0); (
396525.0, 3870109.5, 776.0, 776.0, 0.0);
( 396549.9, 3870109.5, 776.0, 776.0, 0.0); (
396574.9, 3870109.5, 776.0, 776.0, 0.0);
( 396599.8, 3870109.5, 776.0, 776.0, 0.0); (
396624.8, 3870109.6, 776.0, 776.0, 0.0);
( 396649.7, 3870109.6, 776.0, 776.0, 0.0); (
396674.6, 3870109.6, 776.0, 776.0, 0.0);
( 396699.6, 3870109.6, 776.0, 776.0, 0.0); (
396724.5, 3870109.6, 776.0, 776.0, 0.0);
( 395806.3, 3870151.1, 780.0, 1275.0, 0.0); (
395765.8, 3870134.3, 780.0, 1275.0, 0.0);
( 395725.4, 3870117.5, 780.0, 1275.0, 0.0); (
395676.6, 3870080.5, 780.0, 1275.0, 0.0);
( 395659.9, 3870040.0, 780.0, 1275.0, 0.0); (
395643.2, 3869999.5, 780.0, 1275.0, 0.0);
( 395851.5, 3870159.5, 780.0, 1275.0, 0.0); (
395876.4, 3870159.5, 779.4, 1275.0, 0.0);
( 395901.4, 3870159.5, 779.0, 1275.0, 0.0); (
395926.3, 3870159.5, 779.0, 1275.0, 0.0);
( 395951.2, 3870159.5, 779.0, 1275.0, 0.0); (
395976.2, 3870159.5, 779.0, 1275.0, 0.0);
( 396001.1, 3870159.5, 779.0, 1275.0, 0.0); (
396026.1, 3870159.5, 778.9, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396051.0, 3870159.5, 778.5, 1275.0, 0.0); ( 396076.0, 3870159.5, 778.0, 1275.0, 0.0);
( 396100.9, 3870159.5, 778.0, 1275.0, 0.0); ( 396125.9, 3870159.5, 778.0, 1275.0, 0.0);
( 396150.8, 3870159.5, 778.0, 1275.0, 0.0); ( 396175.8, 3870159.5, 778.0, 1275.0, 0.0);
( 396200.7, 3870159.5, 778.0, 778.0, 0.0); ( 396225.6, 3870159.5, 778.0, 778.0, 0.0);
( 396250.6, 3870159.5, 777.8, 777.8, 0.0); ( 396275.5, 3870159.5, 777.1, 777.1, 0.0);
( 396300.5, 3870159.5, 777.0, 777.0, 0.0); ( 396325.4, 3870159.5, 777.0, 777.0, 0.0);
( 396350.4, 3870159.5, 777.0, 777.0, 0.0); ( 396375.3, 3870159.5, 777.0, 777.0, 0.0);
( 396400.2, 3870159.5, 777.0, 777.0, 0.0); ( 396425.2, 3870159.5, 776.8, 776.8, 0.0);
( 396450.1, 3870159.5, 776.8, 776.8, 0.0); ( 396475.1, 3870159.5, 776.4, 776.4, 0.0);
( 396500.0, 3870159.5, 776.0, 776.0, 0.0); ( 396525.0, 3870159.5, 776.0, 776.0, 0.0);
( 396549.9, 3870159.5, 776.0, 776.0, 0.0); ( 396574.9, 3870159.5, 776.0, 776.0, 0.0);
( 396599.8, 3870159.5, 776.0, 776.0, 0.0); ( 396624.8, 3870159.6, 776.0, 776.0, 0.0);
( 396649.7, 3870159.6, 776.0, 776.0, 0.0); ( 396674.6, 3870159.6, 776.0, 776.0, 0.0);
( 396699.6, 3870159.6, 776.0, 776.0, 0.0); ( 396724.5, 3870159.6, 776.0, 776.0, 0.0);
( 395804.4, 3870200.3, 780.0, 1275.0, 0.0); ( 395782.3, 3870191.2, 780.0, 1275.0, 0.0);
( 395760.1, 3870182.0, 780.0, 1275.0, 0.0); ( 395738.0, 3870172.8, 780.0, 1275.0, 0.0);
( 395715.9, 3870163.6, 780.0, 1275.0, 0.0); ( 395693.8, 3870154.4, 780.5, 1275.0, 0.0);
( 395671.6, 3870145.2, 781.0, 1275.0, 0.0); ( 395640.4, 3870113.9, 780.5, 1275.0, 0.0);
( 395631.3, 3870091.8, 780.3, 1275.0, 0.0); ( 395622.1, 3870069.6, 780.0, 1275.0, 0.0);
( 395613.0, 3870047.5, 780.0, 1275.0, 0.0); ( 395603.9, 3870025.3, 780.0, 1275.0, 0.0);

( 395594.8, 3870003.2, 780.0, 1275.0, 0.0); (
395585.7, 3869981.0, 780.0, 1275.0, 0.0);
( 395826.5, 3870209.5, 780.0, 1275.0, 0.0); (
395851.5, 3870209.5, 780.0, 1275.0, 0.0);
( 395876.4, 3870209.5, 780.0, 1275.0, 0.0); (
395901.3, 3870209.5, 779.6, 1275.0, 0.0);
( 395926.3, 3870209.5, 779.0, 1275.0, 0.0); (
395951.2, 3870209.5, 779.0, 1275.0, 0.0);
( 395976.2, 3870209.5, 779.0, 1275.0, 0.0); (
396001.1, 3870209.5, 779.0, 1275.0, 0.0);
( 396026.1, 3870209.5, 779.0, 1275.0, 0.0); (
396051.0, 3870209.5, 778.8, 1275.0, 0.0);
( 396076.0, 3870209.5, 778.4, 1275.0, 0.0); (
396100.9, 3870209.5, 778.0, 1275.0, 0.0);
( 396125.9, 3870209.5, 778.0, 1275.0, 0.0); (
396150.8, 3870209.5, 778.0, 1275.0, 0.0);
( 396175.7, 3870209.5, 778.0, 1275.0, 0.0); (
396200.7, 3870209.5, 778.0, 1275.0, 0.0);
( 396225.6, 3870209.5, 778.0, 778.0, 0.0); (
396250.6, 3870209.5, 778.0, 778.0, 0.0);
( 396275.5, 3870209.5, 778.0, 778.0, 0.0); (
396300.5, 3870209.5, 777.6, 777.6, 0.0);
( 396325.4, 3870209.5, 777.2, 777.2, 0.0); (
396350.4, 3870209.5, 777.0, 777.0, 0.0);
( 396375.3, 3870209.5, 777.0, 777.0, 0.0); (
396400.2, 3870209.5, 777.0, 777.0, 0.0);
( 396425.2, 3870209.5, 777.0, 777.0, 0.0); (
396450.1, 3870209.5, 777.0, 777.0, 0.0);
( 396475.1, 3870209.5, 777.0, 777.0, 0.0); (
396500.0, 3870209.5, 776.8, 776.8, 0.0);
( 396525.0, 3870209.5, 776.4, 776.4, 0.0); (
396549.9, 3870209.5, 776.0, 776.0, 0.0);
( 396574.9, 3870209.5, 776.0, 776.0, 0.0); (
396599.8, 3870209.5, 776.0, 776.0, 0.0);
( 396624.8, 3870209.6, 776.0, 776.0, 0.0); (
396649.7, 3870209.6, 776.0, 776.0, 0.0);
( 396674.6, 3870209.6, 776.0, 776.0, 0.0); (
396699.6, 3870209.6, 776.0, 776.0, 0.0);
( 396724.5, 3870209.6, 776.0, 776.0, 0.0); (
395805.1, 3870283.9, 780.0, 1275.0, 0.0);
( 395783.6, 3870275.0, 780.0, 1275.0, 0.0); (
395762.1, 3870266.1, 780.2, 1275.0, 0.0);
( 395740.7, 3870257.2, 781.0, 1275.0, 0.0); (
395719.2, 3870248.3, 781.0, 1275.0, 0.0);
( 395697.8, 3870239.4, 781.0, 1275.0, 0.0); (
395676.3, 3870230.5, 781.0, 1275.0, 0.0);
( 395654.9, 3870221.6, 781.0, 1275.0, 0.0); (
395633.4, 3870212.7, 781.0, 1275.0, 0.0);
( 395612.0, 3870203.8, 781.0, 1275.0, 0.0); (
395581.7, 3870173.4, 781.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395572.8, 3870152.0,     781.0,    1275.0,       0.0);         (
395564.0, 3870130.5,     781.0,    1275.0,       0.0);
     ( 395555.1, 3870109.0,     781.0,    1275.0,       0.0);         (
395546.3, 3870087.5,     781.0,    1275.0,       0.0);
     ( 395537.4, 3870066.1,     780.7,    1275.0,       0.0);         (
395528.6, 3870044.6,     780.0,    1275.0,       0.0);
     ( 395519.7, 3870023.1,     780.1,    1275.0,       0.0);         (
395510.9, 3870001.6,     780.0,    1275.0,       0.0);
     ( 395502.0, 3869980.2,     780.0,    1275.0,       0.0);         (
395826.5, 3870292.8,     780.0,    1275.0,       0.0);
     ( 395851.5, 3870292.8,     780.0,    1275.0,       0.0);         (
395876.4, 3870292.9,     780.0,    1275.0,       0.0);
     ( 395901.3, 3870292.9,     780.0,    1275.0,       0.0);         (
395926.3, 3870292.9,     779.8,    1275.0,       0.0);
     ( 395951.2, 3870292.9,     779.2,    1275.0,       0.0);         (
395976.2, 3870292.9,     779.0,    1275.0,       0.0);
     ( 396001.1, 3870292.9,     779.0,    1275.0,       0.0);         (
396026.1, 3870292.9,     779.0,    1275.0,       0.0);
     ( 396051.0, 3870292.9,     779.0,    1275.0,       0.0);         (
396076.0, 3870292.9,     779.0,    1275.0,       0.0);
     ( 396100.9, 3870292.9,     779.0,    1275.0,       0.0);         (
396125.8, 3870292.9,     778.3,    1275.0,       0.0);
     ( 396150.8, 3870292.9,     778.1,    1275.0,       0.0);         (
396175.7, 3870292.9,     778.0,    1275.0,       0.0);
     ( 396200.7, 3870292.9,     778.0,    1275.0,       0.0);         (
396225.6, 3870292.9,     778.0,    1275.0,       0.0);
     ( 396250.6, 3870292.9,     778.0,     778.0,       0.0);         (
396275.5, 3870292.9,     778.0,     778.0,       0.0);
     ( 396300.5, 3870292.9,     778.0,     778.0,       0.0);         (
396325.4, 3870292.9,     778.0,     778.0,       0.0);
     ( 396350.3, 3870292.9,     778.0,     778.0,       0.0);         (
396375.3, 3870292.9,     777.8,     777.8,       0.0);
     ( 396400.2, 3870292.9,     777.2,     777.2,       0.0);         (
396425.2, 3870292.9,     777.0,     777.0,       0.0);
     ( 396450.1, 3870292.9,     777.0,     777.0,       0.0);         (
396475.1, 3870292.9,     777.0,     777.0,       0.0);
     ( 396500.0, 3870292.9,     777.0,     777.0,       0.0);         (
396525.0, 3870292.9,     777.0,     777.0,       0.0);
     ( 396549.9, 3870292.9,     777.0,     777.0,       0.0);         (
396574.9, 3870292.9,     777.0,     777.0,       0.0);
```

( 396599.8, 3870292.9, 777.0, 777.0, 0.0); ( 396624.8, 3870292.9, 777.0, 777.0, 0.0);
( 396649.7, 3870292.9, 777.0, 777.0, 0.0); ( 396674.6, 3870292.9, 777.0, 777.0, 0.0);
( 396699.6, 3870292.9, 777.0, 777.0, 0.0); ( 396724.5, 3870292.9, 777.0, 777.0, 0.0);
( 395803.8, 3870366.8, 780.0, 1275.0, 0.0); ( 395781.1, 3870357.3, 780.0, 1275.0, 0.0);
( 395758.4, 3870347.9, 780.4, 1275.0, 0.0); ( 395735.8, 3870338.5, 781.0, 1275.0, 0.0);
( 395713.0, 3870329.1, 781.0, 1275.0, 0.0); ( 395690.4, 3870319.7, 781.0, 1275.0, 0.0);
( 395667.7, 3870310.3, 781.0, 1275.0, 0.0); ( 395645.0, 3870300.8, 781.0, 1275.0, 0.0);
( 395622.3, 3870291.4, 781.0, 1275.0, 0.0); ( 395599.6, 3870282.0, 781.0, 1275.0, 0.0);
( 395576.9, 3870272.6, 781.4, 1275.0, 0.0); ( 395554.2, 3870263.2, 782.0, 1275.0, 0.0);
( 395522.2, 3870231.0, 782.0, 1275.0, 0.0); ( 395512.8, 3870208.3, 781.8, 1275.0, 0.0);
( 395503.5, 3870185.6, 781.9, 1275.0, 0.0); ( 395494.1, 3870162.9, 781.9, 1275.0, 0.0);
( 395484.7, 3870140.2, 781.6, 1275.0, 0.0); ( 395475.4, 3870117.5, 781.3, 1275.0, 0.0);
( 395466.0, 3870094.8, 781.1, 1275.0, 0.0); ( 395456.7, 3870072.0, 781.0, 1275.0, 0.0);
( 395447.3, 3870049.3, 781.0, 1275.0, 0.0); ( 395437.9, 3870026.6, 781.0, 1275.0, 0.0);
( 395428.6, 3870003.9, 781.0, 1275.0, 0.0); ( 395419.2, 3869981.2, 781.0, 1275.0, 0.0);
( 395826.5, 3870376.2, 780.0, 1275.0, 0.0); ( 395851.5, 3870376.2, 780.0, 1275.0, 0.0);
( 395876.4, 3870376.2, 780.0, 1275.0, 0.0); ( 395901.3, 3870376.2, 780.0, 1275.0, 0.0);
( 395926.3, 3870376.2, 780.0, 1275.0, 0.0); ( 395951.2, 3870376.2, 780.0, 1275.0, 0.0);
( 395976.2, 3870376.2, 780.0, 1275.0, 0.0); ( 396001.1, 3870376.2, 779.3, 1275.0, 0.0);
( 396026.1, 3870376.2, 779.0, 1275.0, 0.0); ( 396051.0, 3870376.2, 779.0, 1275.0, 0.0);
( 396076.0, 3870376.2, 779.0, 1275.0, 0.0); ( 396100.9, 3870376.2, 779.0, 1275.0, 0.0);
( 396125.8, 3870376.2, 779.0, 1275.0, 0.0); ( 396150.8, 3870376.2, 779.0, 1275.0, 0.0);
( 396175.7, 3870376.2, 778.5, 1275.0, 0.0); ( 396200.7, 3870376.2, 778.0, 1275.0, 0.0);
( 396225.6, 3870376.2, 778.0, 1275.0, 0.0); ( 396250.6, 3870376.2, 778.0, 1275.0, 0.0);
( 396275.5, 3870376.2, 778.0, 778.0, 0.0); ( 396300.5, 3870376.2, 778.0, 778.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396325.4, 3870376.2, 778.0, 778.0, 0.0); ( 396350.3, 3870376.2, 778.0, 778.0, 0.0);
( 396375.3, 3870376.2, 778.0, 778.0, 0.0); ( 396400.2, 3870376.2, 778.0, 778.0, 0.0);
( 396425.2, 3870376.2, 778.0, 778.0, 0.0); ( 396450.1, 3870376.2, 778.0, 778.0, 0.0);
( 396475.1, 3870376.2, 777.5, 777.5, 0.0); ( 396500.0, 3870376.2, 777.0, 777.0, 0.0);
( 396525.0, 3870376.2, 777.0, 777.0, 0.0); ( 396549.9, 3870376.2, 777.0, 777.0, 0.0);
( 396574.8, 3870376.2, 777.0, 777.0, 0.0); ( 396599.8, 3870376.2, 777.0, 777.0, 0.0);
( 396624.7, 3870376.2, 777.0, 777.0, 0.0); ( 396649.7, 3870376.2, 777.0, 777.0, 0.0);
( 396674.6, 3870376.2, 777.0, 777.0, 0.0); ( 396699.6, 3870376.2, 777.0, 777.0, 0.0);
( 396724.5, 3870376.2, 777.0, 777.0, 0.0); ( 395804.4, 3870450.3, 780.9, 1275.0, 0.0);
( 395782.3, 3870441.2, 781.0, 1275.0, 0.0); ( 395760.1, 3870432.0, 781.0, 1275.0, 0.0);
( 395738.0, 3870422.8, 781.0, 1275.0, 0.0); ( 395715.9, 3870413.6, 781.0, 1275.0, 0.0);
( 395693.8, 3870404.4, 781.0, 1275.0, 0.0); ( 395671.6, 3870395.2, 781.2, 1275.0, 0.0);
( 395649.5, 3870386.1, 781.3, 1275.0, 0.0); ( 395627.4, 3870376.9, 781.8, 1275.0, 0.0);
( 395605.3, 3870367.7, 782.0, 1275.0, 0.0); ( 395583.1, 3870358.5, 782.0, 1275.0, 0.0);
( 395561.0, 3870349.3, 782.0, 1275.0, 0.0); ( 395538.9, 3870340.2, 782.0, 1275.0, 0.0);
( 395516.8, 3870331.0, 782.0, 1275.0, 0.0); ( 395494.6, 3870321.8, 782.0, 1275.0, 0.0);
( 395463.4, 3870290.5, 782.0, 1275.0, 0.0); ( 395454.3, 3870268.3, 782.0, 1275.0, 0.0);
( 395445.1, 3870246.2, 782.0, 1275.0, 0.0); ( 395436.0, 3870224.0, 782.0, 1275.0, 0.0);
( 395426.9, 3870201.9, 782.0, 1275.0, 0.0); ( 395417.8, 3870179.7, 782.0, 1275.0, 0.0);
( 395408.6, 3870157.6, 782.0, 1275.0, 0.0); ( 395399.5, 3870135.4, 782.0, 1275.0, 0.0);

( 395390.4, 3870113.3, 782.0, 1275.0, 0.0); (
395381.3, 3870091.1, 782.0, 1275.0, 0.0);
( 395372.1, 3870069.0, 782.0, 1275.0, 0.0); (
395363.0, 3870046.8, 782.0, 1275.0, 0.0);
( 395353.9, 3870024.7, 781.9, 1275.0, 0.0); (
395344.8, 3870002.5, 781.6, 1275.0, 0.0);
( 395335.7, 3869980.4, 781.4, 1275.0, 0.0); (
395826.5, 3870459.5, 780.8, 1275.0, 0.0);
( 395851.5, 3870459.5, 780.8, 1275.0, 0.0); (
395876.4, 3870459.5, 780.3, 1275.0, 0.0);
( 395901.3, 3870459.5, 780.0, 1275.0, 0.0); (
395926.3, 3870459.5, 780.0, 1275.0, 0.0);
( 395951.2, 3870459.5, 780.0, 1275.0, 0.0); (
395976.2, 3870459.5, 780.0, 1275.0, 0.0);
( 396001.1, 3870459.5, 780.0, 1275.0, 0.0); (
396026.1, 3870459.5, 779.9, 1275.0, 0.0);
( 396051.0, 3870459.5, 779.5, 1275.0, 0.0); (
396076.0, 3870459.5, 779.0, 1275.0, 0.0);
( 396100.9, 3870459.5, 779.0, 1275.0, 0.0); (
396125.8, 3870459.5, 779.0, 1275.0, 0.0);
( 396150.8, 3870459.5, 779.0, 1275.0, 0.0); (
396175.7, 3870459.5, 779.0, 1275.0, 0.0);
( 396200.7, 3870459.5, 779.0, 1275.0, 0.0); (
396225.6, 3870459.5, 779.0, 1275.0, 0.0);
( 396250.6, 3870459.5, 779.0, 1275.0, 0.0); (
396275.5, 3870459.5, 778.8, 1273.0, 0.0);
( 396300.5, 3870459.5, 778.2, 778.2, 0.0); (
396325.4, 3870459.5, 778.0, 778.0, 0.0);
( 396350.3, 3870459.5, 778.0, 778.0, 0.0); (
396375.3, 3870459.5, 778.0, 778.0, 0.0);
( 396400.2, 3870459.5, 778.0, 778.0, 0.0); (
396425.2, 3870459.5, 778.0, 778.0, 0.0);
( 396450.1, 3870459.5, 778.0, 778.0, 0.0); (
396475.1, 3870459.5, 778.0, 778.0, 0.0);
( 396500.0, 3870459.5, 778.0, 778.0, 0.0); (
396525.0, 3870459.5, 778.0, 778.0, 0.0);
( 396549.9, 3870459.5, 778.0, 778.0, 0.0); (
396574.8, 3870459.5, 777.8, 777.8, 0.0);
( 396599.8, 3870459.5, 777.3, 777.3, 0.0); (
396624.7, 3870459.6, 777.0, 777.0, 0.0);
( 396649.7, 3870459.6, 777.0, 777.0, 0.0); (
396674.6, 3870459.6, 777.0, 777.0, 0.0);
( 396699.6, 3870459.6, 777.0, 777.0, 0.0); (
396724.5, 3870459.6, 777.0, 777.0, 0.0);
( 395804.4, 3870700.3, 782.0, 1275.0, 0.0); (
395782.2, 3870691.2, 782.0, 1275.0, 0.0);
( 395760.1, 3870682.0, 782.0, 1275.0, 0.0); (
395738.0, 3870672.8, 782.0, 1275.0, 0.0);
( 395715.9, 3870663.6, 782.0, 1275.0, 0.0); (
395693.8, 3870654.4, 782.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395671.6, 3870645.2, 782.0, 1275.0, 0.0); ( 395649.5, 3870636.1, 782.0, 1275.0, 0.0);
( 395627.4, 3870626.9, 782.3, 1275.0, 0.0); ( 395605.3, 3870617.7, 782.5, 1275.0, 0.0);
( 395583.1, 3870608.5, 783.0, 1275.0, 0.0); ( 395561.0, 3870599.3, 783.0, 1275.0, 0.0);
( 395538.9, 3870590.2, 783.0, 1275.0, 0.0); ( 395516.8, 3870581.0, 783.0, 1275.0, 0.0);
( 395494.6, 3870571.8, 783.0, 1275.0, 0.0); ( 395472.5, 3870562.6, 783.0, 1275.0, 0.0);
( 395450.4, 3870553.4, 783.6, 1275.0, 0.0); ( 395428.3, 3870544.3, 784.0, 1275.0, 0.0);
( 395406.1, 3870535.1, 784.0, 1275.0, 0.0); ( 395384.0, 3870525.9, 784.0, 1275.0, 0.0);
( 395361.9, 3870516.7, 784.0, 1275.0, 0.0); ( 395339.8, 3870507.5, 784.3, 1275.0, 0.0);
( 395317.6, 3870498.3, 785.0, 1275.0, 0.0); ( 395286.4, 3870467.0, 785.0, 1275.0, 0.0);
( 395277.3, 3870444.9, 785.0, 1275.0, 0.0); ( 395268.1, 3870422.7, 785.0, 1275.0, 0.0);
( 395259.0, 3870400.6, 785.0, 1275.0, 0.0); ( 395249.9, 3870378.4, 785.0, 1275.0, 0.0);
( 395240.8, 3870356.3, 784.8, 1275.0, 0.0); ( 395231.6, 3870334.1, 784.9, 1275.0, 0.0);
( 395222.5, 3870312.0, 784.9, 1275.0, 0.0); ( 395213.4, 3870289.8, 784.6, 1275.0, 0.0);
( 395204.3, 3870267.7, 784.3, 1275.0, 0.0); ( 395195.1, 3870245.5, 784.1, 1275.0, 0.0);
( 395186.0, 3870223.4, 784.0, 1275.0, 0.0); ( 395176.9, 3870201.2, 784.0, 1275.0, 0.0);
( 395167.8, 3870179.1, 784.0, 1275.0, 0.0); ( 395158.6, 3870157.0, 783.8, 1275.0, 0.0);
( 395149.5, 3870134.8, 783.6, 1275.0, 0.0); ( 395140.4, 3870112.7, 783.2, 1275.0, 0.0);
( 395131.3, 3870090.5, 783.1, 1275.0, 0.0); ( 395122.1, 3870068.4, 783.0, 1275.0, 0.0);
( 395113.0, 3870046.2, 783.0, 1275.0, 0.0); ( 395103.9, 3870024.1, 783.0, 1275.0, 0.0);
( 395094.8, 3870001.9, 783.0, 1275.0, 0.0); ( 395085.7, 3869979.8, 783.0, 1275.0, 0.0);

( 395826.5, 3870709.5, 782.0, 1275.0, 0.0); (
395851.4, 3870709.5, 781.4, 1275.0, 0.0);
( 395876.4, 3870709.5, 781.1, 1275.0, 0.0); (
395901.3, 3870709.5, 781.0, 1275.0, 0.0);
( 395926.3, 3870709.5, 781.0, 1275.0, 0.0); (
395951.2, 3870709.5, 781.0, 1275.0, 0.0);
( 395976.2, 3870709.5, 781.0, 1275.0, 0.0); (
396001.1, 3870709.5, 781.0, 1275.0, 0.0);
( 396026.0, 3870709.5, 781.0, 1275.0, 0.0); (
396051.0, 3870709.5, 781.0, 1275.0, 0.0);
( 396075.9, 3870709.5, 781.0, 1275.0, 0.0); (
396100.9, 3870709.5, 780.8, 1275.0, 0.0);
( 396125.8, 3870709.5, 780.1, 1275.0, 0.0); (
396150.8, 3870709.5, 780.0, 1275.0, 0.0);
( 396175.7, 3870709.5, 780.0, 1275.0, 0.0); (
396200.7, 3870709.5, 780.0, 1275.0, 0.0);
( 396225.6, 3870709.5, 780.0, 1275.0, 0.0); (
396250.6, 3870709.5, 780.0, 1275.0, 0.0);
( 396275.5, 3870709.5, 780.0, 1275.0, 0.0); (
396300.5, 3870709.5, 780.0, 1275.0, 0.0);
( 396325.4, 3870709.5, 780.0, 1273.0, 0.0); (
396350.3, 3870709.5, 780.0, 780.0, 0.0);
( 396375.3, 3870709.5, 780.0, 780.0, 0.0); (
396400.2, 3870709.5, 780.0, 780.0, 0.0);
( 396425.2, 3870709.5, 780.0, 780.0, 0.0); (
396450.1, 3870709.5, 780.0, 780.0, 0.0);
( 396475.1, 3870709.5, 780.0, 780.0, 0.0); (
396500.0, 3870709.5, 779.7, 779.7, 0.0);
( 396525.0, 3870709.5, 779.1, 779.1, 0.0); (
396549.9, 3870709.5, 779.1, 779.1, 0.0);
( 396574.8, 3870709.5, 779.1, 779.1, 0.0); (
396599.8, 3870709.5, 779.1, 779.1, 0.0);
( 396624.7, 3870709.6, 779.1, 779.1, 0.0); (
396649.7, 3870709.6, 779.1, 779.1, 0.0);
( 396674.6, 3870709.6, 779.0, 779.0, 0.0); (
396699.6, 3870709.6, 779.0, 779.0, 0.0);
( 396724.5, 3870709.6, 779.0, 779.0, 0.0); (
395803.6, 3870950.0, 783.0, 1275.0, 0.0);
( 395780.8, 3870940.6, 783.0, 1275.0, 0.0); (
395758.0, 3870931.1, 783.0, 1275.0, 0.0);
( 395735.1, 3870921.6, 783.0, 1275.0, 0.0); (
395712.3, 3870912.1, 783.0, 1275.0, 0.0);
( 395689.5, 3870902.7, 783.4, 1275.0, 0.0); (
395666.6, 3870893.2, 783.6, 1275.0, 0.0);
( 395643.8, 3870883.7, 783.9, 1275.0, 0.0); (
395621.0, 3870874.2, 784.0, 1275.0, 0.0);
( 395598.1, 3870864.8, 784.0, 1275.0, 0.0); (
395575.3, 3870855.3, 784.0, 1275.0, 0.0);
( 395552.4, 3870845.8, 784.0, 1275.0, 0.0); (
395529.6, 3870836.3, 784.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395506.8, 3870826.8, 784.0, 1275.0, 0.0); ( 395483.9, 3870817.4, 784.0, 1275.0, 0.0);
( 395461.1, 3870807.9, 784.1, 1275.0, 0.0); ( 395438.2, 3870798.4, 784.1, 1275.0, 0.0);
( 395415.4, 3870788.9, 784.8, 1275.0, 0.0); ( 395392.6, 3870779.4, 785.0, 1275.0, 0.0);
( 395369.7, 3870770.0, 785.0, 1275.0, 0.0); ( 395346.9, 3870760.5, 785.0, 1275.0, 0.0);
( 395324.1, 3870751.0, 785.0, 1275.0, 0.0); ( 395301.2, 3870741.5, 785.0, 1275.0, 0.0);
( 395278.4, 3870732.1, 785.0, 1275.0, 0.0); ( 395255.5, 3870722.6, 785.1, 1275.0, 0.0);
( 395232.7, 3870713.1, 785.9, 1275.0, 0.0); ( 395209.9, 3870703.6, 786.0, 1275.0, 0.0);
( 395187.0, 3870694.1, 786.0, 1275.0, 0.0); ( 395164.2, 3870684.7, 786.0, 1275.0, 0.0);
( 395141.3, 3870675.2, 786.0, 1275.0, 0.0); ( 395109.1, 3870642.9, 787.0, 1275.0, 0.0);
( 395099.7, 3870620.0, 787.3, 1275.0, 0.0); ( 395090.3, 3870597.1, 788.0, 1275.0, 0.0);
( 395080.8, 3870574.3, 789.7, 1275.0, 0.0); ( 395071.4, 3870551.4, 792.0, 1275.0, 0.0);
( 395062.0, 3870528.5, 797.6, 1275.0, 0.0); ( 395052.6, 3870505.7, 802.2, 1275.0, 0.0);
( 395043.2, 3870482.8, 806.7, 1275.0, 0.0); ( 395033.8, 3870460.0, 809.9, 1275.0, 0.0);
( 395024.3, 3870437.1, 807.8, 1275.0, 0.0); ( 395014.9, 3870414.2, 802.5, 1275.0, 0.0);
( 395005.5, 3870391.4, 797.0, 1275.0, 0.0); ( 394996.1, 3870368.5, 791.6, 1275.0, 0.0);
( 394986.6, 3870345.6, 787.1, 1275.0, 0.0); ( 394977.2, 3870322.8, 786.3, 1275.0, 0.0);
( 394967.8, 3870299.9, 786.0, 1275.0, 0.0); ( 394958.4, 3870277.1, 786.0, 1275.0, 0.0);
( 394949.0, 3870254.2, 786.0, 1275.0, 0.0); ( 394939.6, 3870231.3, 786.0, 1275.0, 0.0);
( 394930.1, 3870208.5, 785.4, 1275.0, 0.0); ( 394920.7, 3870185.6, 785.0, 1275.0, 0.0);
( 394911.3, 3870162.8, 785.0, 1275.0, 0.0); ( 394901.9, 3870139.9, 785.0, 1275.0, 0.0);

( 394892.5, 3870117.0, 785.0, 1275.0, 0.0); (
394883.0, 3870094.2, 785.0, 1275.0, 0.0);
( 394873.6, 3870071.3, 784.9, 1275.0, 0.0); (
394864.2, 3870048.4, 784.3, 1275.0, 0.0);
( 394854.8, 3870025.6, 784.2, 1275.0, 0.0); (
394845.4, 3870002.7, 784.0, 1275.0, 0.0);
( 394836.0, 3869979.9, 784.0, 1275.0, 0.0); (
395826.5, 3870959.5, 783.0, 1275.0, 0.0);
( 395851.4, 3870959.5, 783.0, 1275.0, 0.0); (
395876.4, 3870959.5, 782.7, 1275.0, 0.0);
( 395901.3, 3870959.5, 782.3, 1275.0, 0.0); (
395926.3, 3870959.5, 782.0, 1275.0, 0.0);
( 395951.2, 3870959.5, 782.0, 1275.0, 0.0); (
395976.1, 3870959.5, 782.0, 1275.0, 0.0);
( 396001.1, 3870959.5, 782.0, 1275.0, 0.0); (
396026.0, 3870959.5, 782.0, 1275.0, 0.0);
( 396051.0, 3870959.5, 782.0, 1275.0, 0.0); (
396075.9, 3870959.5, 782.0, 1275.0, 0.0);
( 396100.9, 3870959.5, 782.0, 1275.0, 0.0); (
396125.8, 3870959.5, 782.0, 1275.0, 0.0);
( 396150.8, 3870959.5, 781.6, 1275.0, 0.0); (
396175.7, 3870959.5, 781.5, 1275.0, 0.0);
( 396200.7, 3870959.5, 781.3, 1275.0, 0.0); (
396225.6, 3870959.5, 781.0, 1275.0, 0.0);
( 396250.5, 3870959.5, 781.0, 1275.0, 0.0); (
396275.5, 3870959.5, 781.0, 1275.0, 0.0);
( 396300.4, 3870959.5, 781.0, 1275.0, 0.0); (
396325.4, 3870959.5, 781.0, 1275.0, 0.0);
( 396350.3, 3870959.5, 781.0, 1275.0, 0.0); (
396375.3, 3870959.5, 781.0, 781.0, 0.0);
( 396400.2, 3870959.5, 781.0, 781.0, 0.0); (
396425.2, 3870959.5, 781.0, 781.0, 0.0);
( 396450.1, 3870959.5, 780.6, 780.6, 0.0); (
396475.0, 3870959.5, 780.2, 780.2, 0.0);
( 396500.0, 3870959.5, 780.2, 780.2, 0.0); (
396524.9, 3870959.5, 780.6, 780.6, 0.0);
( 396549.9, 3870959.5, 781.0, 781.0, 0.0); (
396574.8, 3870959.5, 780.2, 780.2, 0.0);
( 396599.8, 3870959.5, 780.0, 780.0, 0.0); (
396624.7, 3870959.6, 780.0, 780.0, 0.0);
( 396649.7, 3870959.6, 780.0, 780.0, 0.0); (
396674.6, 3870959.6, 780.0, 780.0, 0.0);
( 396699.5, 3870959.6, 780.0, 780.0, 0.0); (
396724.5, 3870959.6, 780.0, 780.0, 0.0);
( 395803.9, 3871350.2, 785.0, 1275.0, 0.0); (
395781.4, 3871340.8, 785.0, 1275.0, 0.0);
( 395758.9, 3871331.5, 785.0, 1275.0, 0.0); (
395736.4, 3871322.1, 785.0, 1275.0, 0.0);
( 395713.8, 3871312.8, 785.0, 1275.0, 0.0); (
395691.3, 3871303.4, 785.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395668.8, 3871294.1, 785.0, 1275.0, 0.0); ( 395646.3, 3871284.7, 785.0, 1275.0, 0.0);
( 395623.7, 3871275.4, 785.0, 1275.0, 0.0); ( 395601.2, 3871266.0, 785.0, 1275.0, 0.0);
( 395578.7, 3871256.7, 785.1, 1275.0, 0.0); ( 395556.1, 3871247.3, 785.2, 1275.0, 0.0);
( 395533.6, 3871238.0, 785.6, 1275.0, 0.0); ( 395511.1, 3871228.6, 785.8, 1275.0, 0.0);
( 395488.6, 3871219.3, 786.0, 1275.0, 0.0); ( 395466.0, 3871209.9, 786.0, 1275.0, 0.0);
( 395443.5, 3871200.6, 786.0, 1275.0, 0.0); ( 395421.0, 3871191.2, 786.0, 1275.0, 0.0);
( 395398.5, 3871181.9, 786.0, 1275.0, 0.0); ( 395375.9, 3871172.6, 786.0, 1275.0, 0.0);
( 395353.4, 3871163.2, 786.0, 1275.0, 0.0); ( 395330.9, 3871153.9, 786.0, 1275.0, 0.0);
( 395308.4, 3871144.5, 786.0, 1275.0, 0.0); ( 395285.8, 3871135.2, 786.0, 1275.0, 0.0);
( 395263.3, 3871125.8, 786.0, 1275.0, 0.0); ( 395240.8, 3871116.5, 786.0, 1275.0, 0.0);
( 395218.3, 3871107.1, 786.0, 1275.0, 0.0); ( 395195.7, 3871097.8, 786.1, 1275.0, 0.0);
( 395173.2, 3871088.4, 786.7, 1275.0, 0.0); ( 395150.7, 3871079.1, 786.8, 1275.0, 0.0);
( 395128.1, 3871069.7, 787.0, 1275.0, 0.0); ( 395105.6, 3871060.4, 787.1, 1275.0, 0.0);
( 395083.1, 3871051.0, 787.5, 1275.0, 0.0); ( 395060.6, 3871041.7, 787.7, 1275.0, 0.0);
( 395038.0, 3871032.3, 788.0, 1275.0, 0.0); ( 395015.5, 3871023.0, 788.1, 1275.0, 0.0);
( 394993.0, 3871013.6, 788.9, 1275.0, 0.0); ( 394970.5, 3871004.3, 789.0, 1275.0, 0.0);
( 394947.9, 3870994.9, 789.0, 1275.0, 0.0); ( 394925.4, 3870985.6, 789.0, 1275.0, 0.0);
( 394902.9, 3870976.2, 789.0, 1275.0, 0.0); ( 394880.4, 3870966.9, 789.6, 1275.0, 0.0);
( 394857.8, 3870957.5, 790.0, 1275.0, 0.0); ( 394826.0, 3870925.6, 790.0, 1275.0, 0.0);
( 394816.7, 3870903.1, 790.0, 1275.0, 0.0); ( 394807.4, 3870880.5, 790.0, 1275.0, 0.0);

( 394798.1, 3870858.0, 790.0, 1275.0, 0.0); (
394788.9, 3870835.4, 790.5, 1275.0, 0.0);
( 394779.6, 3870812.9, 791.0, 1275.0, 0.0); (
394770.3, 3870790.3, 791.0, 1275.0, 0.0);
( 394761.0, 3870767.8, 791.0, 1275.0, 0.0); (
394751.7, 3870745.2, 791.6, 1275.0, 0.0);
( 394742.4, 3870722.7, 792.0, 1275.0, 0.0); (
394733.1, 3870700.1, 792.1, 1275.0, 0.0);
( 394723.8, 3870677.6, 792.8, 1275.0, 0.0); (
394714.5, 3870655.0, 794.5, 1275.0, 0.0);
( 394705.2, 3870632.5, 796.8, 1275.0, 0.0); (
394696.0, 3870609.9, 799.3, 1275.0, 0.0);
( 394686.7, 3870587.4, 801.9, 1275.0, 0.0); (
394677.4, 3870564.8, 805.6, 1275.0, 0.0);
( 394668.1, 3870542.3, 810.3, 1275.0, 0.0); (
394658.8, 3870519.7, 816.5, 1275.0, 0.0);
( 394649.5, 3870497.2, 821.6, 1275.0, 0.0); (
394640.2, 3870474.6, 818.0, 1275.0, 0.0);
( 394630.9, 3870452.1, 812.5, 1275.0, 0.0); (
394621.6, 3870429.5, 806.6, 1275.0, 0.0);
( 394612.3, 3870407.0, 801.7, 1275.0, 0.0); (
394603.0, 3870384.4, 798.2, 1275.0, 0.0);
( 394593.8, 3870361.9, 795.6, 1275.0, 0.0); (
394584.5, 3870339.3, 793.0, 1275.0, 0.0);
( 394575.2, 3870316.8, 791.1, 1275.0, 0.0); (
394565.9, 3870294.2, 790.3, 1275.0, 0.0);
( 394556.6, 3870271.7, 789.1, 1275.0, 0.0); (
394547.3, 3870249.1, 787.8, 1275.0, 0.0);
( 394538.0, 3870226.6, 787.1, 1275.0, 0.0); (
394528.7, 3870204.0, 786.4, 1275.0, 0.0);
( 394519.4, 3870181.5, 786.0, 1275.0, 0.0); (
394510.1, 3870158.9, 786.0, 1275.0, 0.0);
( 394500.9, 3870136.4, 786.3, 1275.0, 0.0); (
394491.6, 3870113.8, 786.6, 1275.0, 0.0);
( 394482.3, 3870091.3, 786.9, 1275.0, 0.0); (
394473.0, 3870068.7, 786.8, 1275.0, 0.0);
( 394463.7, 3870046.2, 786.5, 1275.0, 0.0); (
394454.4, 3870023.6, 786.2, 1275.0, 0.0);
( 394445.1, 3870001.1, 786.0, 1275.0, 0.0); (
394435.8, 3869978.5, 786.0, 1275.0, 0.0);
( 395826.5, 3871359.5, 785.0, 1275.0, 0.0); (
395851.4, 3871359.5, 785.0, 1275.0, 0.0);
( 395876.4, 3871359.5, 785.0, 1275.0, 0.0); (
395901.3, 3871359.5, 784.9, 1275.0, 0.0);
( 395926.2, 3871359.5, 784.6, 1275.0, 0.0); (
395951.2, 3871359.5, 784.0, 1275.0, 0.0);
( 395976.1, 3871359.5, 784.0, 1275.0, 0.0); (
396001.1, 3871359.5, 784.0, 1275.0, 0.0);
( 396026.0, 3871359.5, 784.0, 1275.0, 0.0); (
396051.0, 3871359.5, 784.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396075.9, 3871359.5, 784.0, 1275.0, 0.0); ( 396100.9, 3871359.5, 784.0, 1275.0, 0.0);
( 396125.8, 3871359.5, 784.0, 1275.0, 0.0); ( 396150.8, 3871359.5, 783.3, 1275.0, 0.0);
( 396175.7, 3871359.5, 783.0, 1275.0, 0.0); ( 396200.6, 3871359.5, 783.0, 1275.0, 0.0);
( 396225.6, 3871359.5, 783.0, 1275.0, 0.0); ( 396250.5, 3871359.5, 783.0, 1275.0, 0.0);
( 396275.5, 3871359.5, 783.0, 1275.0, 0.0); ( 396300.4, 3871359.5, 783.0, 1275.0, 0.0);
( 396325.4, 3871359.5, 783.0, 1275.0, 0.0); ( 396350.3, 3871359.5, 782.6, 1275.0, 0.0);
( 396375.2, 3871359.5, 782.0, 1275.0, 0.0); ( 396400.2, 3871359.5, 782.0, 1273.0, 0.0);
( 396425.1, 3871359.5, 782.0, 782.0, 0.0); ( 396450.1, 3871359.5, 782.0, 782.0, 0.0);
( 396475.0, 3871359.5, 782.0, 782.0, 0.0); ( 396500.0, 3871359.5, 782.0, 782.0, 0.0);
( 396524.9, 3871359.5, 782.0, 782.0, 0.0); ( 396549.9, 3871359.5, 782.0, 782.0, 0.0);
( 396574.8, 3871359.5, 782.0, 782.0, 0.0); ( 396599.8, 3871359.5, 782.0, 782.0, 0.0);
( 396624.7, 3871359.6, 782.0, 782.0, 0.0); ( 396649.6, 3871359.6, 781.9, 781.9, 0.0);
( 396674.6, 3871359.6, 781.7, 781.7, 0.0); ( 396699.5, 3871359.6, 781.0, 781.0, 0.0);
( 396724.5, 3871359.6, 781.0, 781.0, 0.0); ( 395803.7, 3871750.1, 786.1, 1275.0, 0.0);
( 395780.9, 3871740.6, 786.5, 1275.0, 0.0); ( 395758.2, 3871731.2, 786.1, 1275.0, 0.0);
( 395735.4, 3871721.8, 786.0, 1275.0, 0.0); ( 395712.7, 3871712.3, 786.0, 1275.0, 0.0);
( 395689.9, 3871702.9, 786.0, 1275.0, 0.0); ( 395667.2, 3871693.4, 786.0, 1275.0, 0.0);
( 395644.4, 3871684.0, 786.0, 1275.0, 0.0); ( 395621.6, 3871674.5, 786.0, 1275.0, 0.0);
( 395598.9, 3871665.1, 786.0, 1275.0, 0.0); ( 395576.1, 3871655.6, 786.3, 1275.0, 0.0);
( 395553.4, 3871646.2, 786.4, 1275.0, 0.0); ( 395530.6, 3871636.8, 786.0, 1275.0, 0.0);

( 395507.9, 3871627.3, 786.7, 1275.0, 0.0); (
395485.1, 3871617.9, 787.0, 1275.0, 0.0);
( 395462.3, 3871608.4, 787.0, 1275.0, 0.0); (
395439.6, 3871599.0, 787.0, 1275.0, 0.0);
( 395416.8, 3871589.5, 787.0, 1275.0, 0.0); (
395394.1, 3871580.1, 787.5, 1275.0, 0.0);
( 395371.3, 3871570.6, 788.0, 1275.0, 0.0); (
395348.6, 3871561.2, 788.0, 1275.0, 0.0);
( 395325.8, 3871551.8, 788.0, 1275.0, 0.0); (
395303.1, 3871542.3, 788.0, 1275.0, 0.0);
( 395280.3, 3871532.9, 788.0, 1275.0, 0.0); (
395257.5, 3871523.4, 788.0, 1275.0, 0.0);
( 395234.8, 3871514.0, 788.0, 1275.0, 0.0); (
395212.0, 3871504.5, 788.4, 1275.0, 0.0);
( 395189.3, 3871495.1, 788.5, 1275.0, 0.0); (
395166.5, 3871485.7, 789.0, 1275.0, 0.0);
( 395143.8, 3871476.2, 789.0, 1275.0, 0.0); (
395121.0, 3871466.8, 789.0, 1275.0, 0.0);
( 395098.2, 3871457.3, 789.0, 1275.0, 0.0); (
395075.5, 3871447.9, 789.1, 1275.0, 0.0);
( 395052.7, 3871438.4, 789.4, 1275.0, 0.0); (
395030.0, 3871429.0, 789.7, 1275.0, 0.0);
( 395007.2, 3871419.5, 789.9, 1275.0, 0.0); (
394984.5, 3871410.1, 790.0, 1275.0, 0.0);
( 394961.7, 3871400.7, 790.0, 1275.0, 0.0); (
394939.0, 3871391.2, 790.0, 1275.0, 0.0);
( 394916.2, 3871381.8, 790.2, 1275.0, 0.0); (
394893.5, 3871372.3, 790.4, 1275.0, 0.0);
( 394870.7, 3871362.9, 791.0, 1275.0, 0.0); (
394847.9, 3871353.4, 791.0, 1275.0, 0.0);
( 394825.2, 3871344.0, 791.0, 1275.0, 0.0); (
394802.4, 3871334.6, 791.0, 1275.0, 0.0);
( 394779.7, 3871325.1, 791.0, 1275.0, 0.0); (
394756.9, 3871315.7, 791.8, 1275.0, 0.0);
( 394734.1, 3871306.2, 792.0, 1275.0, 0.0); (
394711.4, 3871296.8, 792.0, 1275.0, 0.0);
( 394688.6, 3871287.3, 792.0, 1275.0, 0.0); (
394665.9, 3871277.9, 792.7, 1275.0, 0.0);
( 394643.1, 3871268.4, 793.0, 1275.0, 0.0); (
394620.4, 3871259.0, 793.0, 1275.0, 0.0);
( 394597.6, 3871249.6, 793.0, 1275.0, 0.0); (
394574.9, 3871240.1, 793.0, 1275.0, 0.0);
( 394542.7, 3871207.9, 793.0, 1275.0, 0.0); (
394533.3, 3871185.1, 793.0, 1275.0, 0.0);
( 394524.0, 3871162.3, 793.0, 1275.0, 0.0); (
394514.6, 3871139.6, 793.0, 1275.0, 0.0);
( 394505.2, 3871116.8, 793.0, 1275.0, 0.0); (
394495.8, 3871094.0, 793.0, 1275.0, 0.0);
( 394486.4, 3871071.2, 793.0, 1275.0, 0.0); (
394477.0, 3871048.4, 793.6, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 394467.6, 3871025.6, 793.8, 1275.0, 0.0); ( 394458.2, 3871002.9, 793.7, 1275.0, 0.0);
( 394448.9, 3870980.1, 794.0, 1275.0, 0.0); ( 394439.5, 3870957.3, 794.3, 1275.0, 0.0);
( 394430.1, 3870934.5, 794.6, 1275.0, 0.0); ( 394420.7, 3870911.8, 795.0, 1275.0, 0.0);
( 394411.3, 3870889.0, 795.2, 1275.0, 0.0); ( 394401.9, 3870866.2, 795.8, 1275.0, 0.0);
( 394392.6, 3870843.4, 796.4, 1275.0, 0.0); ( 394383.2, 3870820.6, 797.2, 1275.0, 0.0);
( 394373.8, 3870797.8, 797.9, 1275.0, 0.0); ( 394364.4, 3870775.1, 799.5, 1275.0, 0.0);
( 394355.0, 3870752.3, 801.6, 1275.0, 0.0); ( 394345.6, 3870729.5, 804.6, 1275.0, 0.0);
( 394336.2, 3870706.7, 808.8, 1275.0, 0.0); ( 394326.9, 3870683.9, 814.1, 1275.0, 0.0);
( 394317.5, 3870661.2, 821.9, 1275.0, 0.0); ( 394308.1, 3870638.4, 829.4, 1275.0, 0.0);
( 394298.7, 3870615.6, 833.8, 1275.0, 0.0); ( 394289.3, 3870592.8, 825.9, 1275.0, 0.0);
( 394279.9, 3870570.0, 820.0, 1275.0, 0.0); ( 394270.5, 3870547.3, 814.5, 1275.0, 0.0);
( 394261.2, 3870524.5, 809.3, 1275.0, 0.0); ( 394251.8, 3870501.7, 805.0, 1275.0, 0.0);
( 394242.4, 3870478.9, 801.9, 1275.0, 0.0); ( 394233.0, 3870456.1, 799.3, 1275.0, 0.0);
( 394223.6, 3870433.4, 798.0, 1275.0, 0.0); ( 394214.2, 3870410.6, 797.0, 1275.0, 0.0);
( 394204.8, 3870387.8, 796.6, 1275.0, 0.0); ( 394195.5, 3870365.0, 796.5, 1275.0, 0.0);
( 394186.1, 3870342.2, 796.0, 1275.0, 0.0); ( 394176.7, 3870319.5, 794.2, 1275.0, 0.0);
( 394167.3, 3870296.7, 793.4, 1275.0, 0.0); ( 394157.9, 3870273.9, 792.9, 1275.0, 0.0);
( 394148.5, 3870251.1, 793.0, 1275.0, 0.0); ( 394139.2, 3870228.3, 793.3, 1275.0, 0.0);
( 394129.8, 3870205.6, 793.2, 1275.0, 0.0); ( 394120.4, 3870182.8, 793.0, 1275.0, 0.0);
( 394111.0, 3870160.0, 792.6, 1275.0, 0.0); ( 394101.6, 3870137.2, 792.0, 1275.0, 0.0);

( 394092.2, 3870114.4, 792.0, 1275.0, 0.0); (
394082.8, 3870091.7, 791.5, 1275.0, 0.0);
( 394073.5, 3870068.9, 791.0, 1275.0, 0.0); (
394064.1, 3870046.1, 791.0, 1275.0, 0.0);
( 394054.7, 3870023.3, 791.0, 1275.0, 0.0); (
394045.3, 3870000.5, 790.7, 1275.0, 0.0);
( 394035.9, 3869977.8, 790.6, 1275.0, 0.0); (
395826.5, 3871759.5, 786.0, 1275.0, 0.0);
( 395851.4, 3871759.5, 786.1, 1275.0, 0.0); (
395876.3, 3871759.5, 786.1, 1275.0, 0.0);
( 395901.3, 3871759.5, 786.0, 1275.0, 0.0); (
395926.2, 3871759.5, 786.0, 1275.0, 0.0);
( 395951.2, 3871759.5, 786.0, 1275.0, 0.0); (
395976.1, 3871759.5, 786.0, 1275.0, 0.0);
( 396001.1, 3871759.5, 786.0, 1275.0, 0.0); (
396026.0, 3871759.5, 786.0, 1275.0, 0.0);
( 396051.0, 3871759.5, 786.0, 1275.0, 0.0); (
396075.9, 3871759.5, 785.8, 1275.0, 0.0);
( 396100.8, 3871759.5, 785.1, 1275.0, 0.0); (
396125.8, 3871759.5, 785.0, 1275.0, 0.0);
( 396150.7, 3871759.5, 785.0, 1275.0, 0.0); (
396175.7, 3871759.5, 785.0, 1275.0, 0.0);
( 396200.6, 3871759.5, 785.0, 1275.0, 0.0); (
396225.6, 3871759.5, 785.0, 1275.0, 0.0);
( 396250.5, 3871759.5, 785.0, 1275.0, 0.0); (
396275.5, 3871759.5, 785.0, 1275.0, 0.0);
( 396300.4, 3871759.5, 785.0, 1275.0, 0.0); (
396325.3, 3871759.5, 785.0, 1275.0, 0.0);
( 396350.3, 3871759.5, 785.0, 1275.0, 0.0); (
396375.2, 3871759.5, 784.8, 1275.0, 0.0);
( 396400.2, 3871759.5, 784.1, 784.1, 0.0); (
396425.1, 3871759.5, 784.0, 784.0, 0.0);
( 396450.1, 3871759.5, 784.0, 784.0, 0.0); (
396475.0, 3871759.5, 784.0, 784.0, 0.0);
( 396500.0, 3871759.5, 784.0, 784.0, 0.0); (
396524.9, 3871759.5, 784.0, 784.0, 0.0);
( 396549.8, 3871759.5, 784.0, 784.0, 0.0); (
396574.8, 3871759.5, 784.0, 784.0, 0.0);
( 396599.7, 3871759.5, 783.4, 783.4, 0.0); (
396624.7, 3871759.6, 783.1, 783.1, 0.0);
( 396649.6, 3871759.6, 783.0, 783.0, 0.0); (
396674.6, 3871759.6, 783.0, 783.0, 0.0);
( 396699.5, 3871759.6, 783.0, 783.0, 0.0); (
396724.5, 3871759.6, 783.0, 783.0, 0.0);
( 395803.5, 3872150.0, 789.0, 1275.0, 0.0); (
395780.6, 3872140.5, 789.0, 1275.0, 0.0);
( 395757.7, 3872131.0, 789.0, 1275.0, 0.0); (
395734.8, 3872121.5, 789.0, 1275.0, 0.0);
( 395711.9, 3872112.0, 789.0, 1275.0, 0.0); (
395689.0, 3872102.5, 789.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395666.1, 3872093.0, 789.0, 1275.0, 0.0); ( 395643.2, 3872083.5, 789.0, 1275.0, 0.0);
( 395620.3, 3872074.0, 789.0, 1275.0, 0.0); ( 395597.4, 3872064.5, 789.0, 1275.0, 0.0);
( 395574.5, 3872055.0, 789.0, 1275.0, 0.0); ( 395551.6, 3872045.5, 789.0, 1275.0, 0.0);
( 395528.7, 3872035.9, 789.0, 1275.0, 0.0); ( 395505.8, 3872026.4, 789.0, 1275.0, 0.0);
( 395482.9, 3872016.9, 789.0, 1275.0, 0.0); ( 395460.0, 3872007.4, 789.3, 1275.0, 0.0);
( 395437.0, 3871997.9, 790.0, 1275.0, 0.0); ( 395414.1, 3871988.4, 790.0, 1275.0, 0.0);
( 395391.2, 3871978.9, 790.0, 1275.0, 0.0); ( 395368.3, 3871969.4, 790.0, 1275.0, 0.0);
( 395345.4, 3871959.9, 790.0, 1275.0, 0.0); ( 395322.5, 3871950.4, 790.0, 1275.0, 0.0);
( 395299.6, 3871940.9, 790.0, 1275.0, 0.0); ( 395276.7, 3871931.4, 790.0, 1275.0, 0.0);
( 395253.8, 3871921.9, 790.2, 1275.0, 0.0); ( 395230.9, 3871912.4, 790.9, 1275.0, 0.0);
( 395208.0, 3871902.9, 791.0, 1275.0, 0.0); ( 395185.1, 3871893.4, 791.0, 1275.0, 0.0);
( 395162.2, 3871883.9, 791.0, 1275.0, 0.0); ( 395139.3, 3871874.4, 791.0, 1275.0, 0.0);
( 395116.4, 3871864.8, 791.0, 1275.0, 0.0); ( 395093.5, 3871855.3, 791.5, 1275.0, 0.0);
( 395070.6, 3871845.8, 792.0, 1275.0, 0.0); ( 395047.7, 3871836.3, 792.0, 1275.0, 0.0);
( 395024.8, 3871826.8, 792.0, 1275.0, 0.0); ( 395001.9, 3871817.3, 792.0, 1275.0, 0.0);
( 394979.0, 3871807.8, 792.0, 1275.0, 0.0); ( 394956.0, 3871798.3, 792.0, 1275.0, 0.0);
( 394933.1, 3871788.8, 792.0, 1275.0, 0.0); ( 394910.2, 3871779.3, 792.0, 1275.0, 0.0);
( 394887.3, 3871769.8, 792.0, 1275.0, 0.0); ( 394864.4, 3871760.3, 792.2, 1275.0, 0.0);
( 394841.5, 3871750.8, 792.8, 1275.0, 0.0); ( 394818.6, 3871741.3, 792.2, 1275.0, 0.0);
( 394795.7, 3871731.8, 792.5, 1275.0, 0.0); ( 394772.8, 3871722.3, 792.9, 1275.0, 0.0);

( 394749.9, 3871712.8, 793.0, 1275.0, 0.0); (
394727.0, 3871703.3, 793.0, 1275.0, 0.0);
( 394704.1, 3871693.8, 793.5, 1275.0, 0.0); (
394681.2, 3871684.2, 793.7, 1275.0, 0.0);
( 394658.3, 3871674.8, 794.0, 1275.0, 0.0); (
394635.4, 3871665.2, 794.0, 1275.0, 0.0);
( 394612.5, 3871655.7, 794.6, 1275.0, 0.0); (
394589.6, 3871646.2, 795.0, 1275.0, 0.0);
( 394566.7, 3871636.7, 795.0, 1275.0, 0.0); (
394543.8, 3871627.2, 795.0, 1275.0, 0.0);
( 394520.8, 3871617.7, 795.2, 1275.0, 0.0); (
394498.0, 3871608.2, 795.4, 1275.0, 0.0);
( 394475.0, 3871598.7, 796.0, 1275.0, 0.0); (
394452.1, 3871589.2, 796.0, 1275.0, 0.0);
( 394429.2, 3871579.7, 796.0, 1275.0, 0.0); (
394406.3, 3871570.2, 796.4, 1275.0, 0.0);
( 394383.4, 3871560.7, 797.0, 1275.0, 0.0); (
394360.5, 3871551.2, 797.0, 1275.0, 0.0);
( 394337.6, 3871541.7, 797.0, 1275.0, 0.0); (
394314.7, 3871532.2, 797.5, 1275.0, 0.0);
( 394291.8, 3871522.7, 798.0, 1275.0, 0.0); (
394259.5, 3871490.2, 797.4, 1275.0, 0.0);
( 394250.0, 3871467.3, 797.3, 1275.0, 0.0); (
394240.6, 3871444.4, 797.0, 1275.0, 0.0);
( 394231.1, 3871421.4, 797.0, 1275.0, 0.0); (
394221.7, 3871398.5, 797.0, 1275.0, 0.0);
( 394212.2, 3871375.6, 797.0, 1275.0, 0.0); (
394202.8, 3871352.6, 797.0, 1275.0, 0.0);
( 394193.3, 3871329.7, 797.0, 1275.0, 0.0); (
394183.9, 3871306.8, 797.0, 1275.0, 0.0);
( 394174.4, 3871283.9, 797.0, 1275.0, 0.0); (
394165.0, 3871260.9, 797.0, 1275.0, 0.0);
( 394155.5, 3871238.0, 797.0, 1275.0, 0.0); (
394146.1, 3871215.1, 797.1, 1275.0, 0.0);
( 394136.6, 3871192.1, 797.9, 1275.0, 0.0); (
394127.2, 3871169.2, 798.0, 1275.0, 0.0);
( 394117.8, 3871146.3, 798.0, 1275.0, 0.0); (
394108.3, 3871123.4, 798.0, 1275.0, 0.0);
( 394098.9, 3871100.4, 798.0, 1275.0, 0.0); (
394089.4, 3871077.5, 798.0, 1275.0, 0.0);
( 394080.0, 3871054.6, 799.5, 1275.0, 0.0); (
394070.5, 3871031.6, 802.1, 1275.0, 0.0);
( 394061.1, 3871008.7, 804.6, 1275.0, 0.0); (
394051.6, 3870985.8, 805.4, 1275.0, 0.0);
( 394042.2, 3870962.9, 806.1, 1275.0, 0.0); (
394032.7, 3870939.9, 807.0, 1275.0, 0.0);
( 394023.3, 3870917.0, 808.0, 1275.0, 0.0); (
394013.8, 3870894.1, 808.7, 1275.0, 0.0);
( 394004.4, 3870871.1, 808.6, 1275.0, 0.0); (
393995.0, 3870848.2, 808.6, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 393985.5, 3870825.3, 810.0, 1275.0, 0.0); ( 393976.1, 3870802.3, 809.8, 1275.0, 0.0);
( 393966.6, 3870779.4, 811.3, 1275.0, 0.0); ( 393957.2, 3870756.5, 814.0, 1275.0, 0.0);
( 393947.7, 3870733.6, 817.8, 1275.0, 0.0); ( 393938.3, 3870710.6, 822.9, 1275.0, 0.0);
( 393928.8, 3870687.7, 825.8, 1275.0, 0.0); ( 393919.4, 3870664.8, 826.2, 1275.0, 0.0);
( 393909.9, 3870641.8, 823.6, 1275.0, 0.0); ( 393900.5, 3870618.9, 818.7, 1275.0, 0.0);
( 393891.0, 3870596.0, 813.2, 1275.0, 0.0); ( 393881.6, 3870573.1, 808.2, 1275.0, 0.0);
( 393872.1, 3870550.1, 804.7, 1275.0, 0.0); ( 393862.7, 3870527.2, 803.6, 1275.0, 0.0);
( 393853.2, 3870504.3, 803.9, 1275.0, 0.0); ( 393843.8, 3870481.3, 804.3, 1275.0, 0.0);
( 393834.4, 3870458.4, 805.0, 1275.0, 0.0); ( 393824.9, 3870435.5, 808.1, 1275.0, 0.0);
( 393815.5, 3870412.6, 808.2, 1275.0, 0.0); ( 393806.0, 3870389.6, 806.4, 1275.0, 0.0);
( 393796.6, 3870366.7, 804.4, 1275.0, 0.0); ( 393787.1, 3870343.8, 803.0, 1275.0, 0.0);
( 393777.7, 3870320.8, 801.8, 1275.0, 0.0); ( 393768.2, 3870297.9, 800.9, 1275.0, 0.0);
( 393758.8, 3870275.0, 801.1, 1275.0, 0.0); ( 393749.3, 3870252.0, 802.1, 1275.0, 0.0);
( 393739.9, 3870229.1, 803.3, 1275.0, 0.0); ( 393730.5, 3870206.2, 804.6, 1275.0, 0.0);
( 393721.0, 3870183.3, 805.6, 1275.0, 0.0); ( 393711.6, 3870160.3, 805.9, 1275.0, 0.0);
( 393702.1, 3870137.4, 804.9, 1275.0, 0.0); ( 393692.7, 3870114.5, 803.4, 1275.0, 0.0);
( 393683.2, 3870091.5, 801.9, 1275.0, 0.0); ( 393673.8, 3870068.6, 801.4, 1275.0, 0.0);
( 393664.3, 3870045.7, 801.5, 1275.0, 0.0); ( 393654.9, 3870022.8, 803.2, 1275.0, 0.0);
( 393645.4, 3869999.8, 804.8, 1275.0, 0.0); ( 393636.0, 3869976.9, 806.6, 1275.0, 0.0);
( 395826.4, 3872159.5, 789.0, 1275.0, 0.0); ( 395851.4, 3872159.5, 789.0, 1275.0, 0.0);

( 395876.3, 3872159.5, 789.0, 1275.0, 0.0); (
395901.3, 3872159.5, 788.8, 1275.0, 0.0);
( 395926.2, 3872159.5, 788.4, 1275.0, 0.0); (
395951.2, 3872159.5, 788.0, 1275.0, 0.0);
( 395976.1, 3872159.5, 788.0, 1275.0, 0.0); (
396001.0, 3872159.5, 787.6, 1275.0, 0.0);
( 396026.0, 3872159.5, 787.2, 1275.0, 0.0); (
396050.9, 3872159.5, 786.8, 1275.0, 0.0);
( 396075.9, 3872159.5, 786.5, 1275.0, 0.0); (
396100.8, 3872159.5, 786.4, 1275.0, 0.0);
( 396125.8, 3872159.5, 786.1, 1275.0, 0.0); (
396150.7, 3872159.5, 786.0, 1275.0, 0.0);
( 396175.7, 3872159.5, 786.0, 1275.0, 0.0); (
396200.6, 3872159.5, 786.0, 1275.0, 0.0);
( 396225.5, 3872159.5, 786.0, 1275.0, 0.0); (
396250.5, 3872159.5, 786.0, 1275.0, 0.0);
( 396275.4, 3872159.5, 786.0, 1275.0, 0.0); (
396300.4, 3872159.5, 786.0, 1275.0, 0.0);
( 396325.3, 3872159.5, 785.7, 1275.0, 0.0); (
396350.3, 3872159.5, 785.3, 1275.0, 0.0);
( 396375.2, 3872159.5, 785.0, 852.0, 0.0); (
396400.2, 3872159.5, 785.0, 852.0, 0.0);
( 396425.1, 3872159.5, 785.0, 852.0, 0.0); (
396450.0, 3872159.5, 785.0, 852.0, 0.0);
( 396475.0, 3872159.5, 785.0, 852.0, 0.0); (
396499.9, 3872159.5, 785.0, 852.0, 0.0);
( 396524.9, 3872159.5, 785.0, 852.0, 0.0); (
396549.8, 3872159.5, 785.0, 852.0, 0.0);
( 396574.8, 3872159.5, 784.2, 852.0, 0.0); (
396599.7, 3872159.5, 784.0, 784.0, 0.0);
( 396624.7, 3872159.6, 784.0, 784.0, 0.0); (
396649.6, 3872159.6, 784.0, 784.0, 0.0);
( 396674.5, 3872159.6, 784.0, 784.0, 0.0); (
396699.5, 3872159.6, 784.0, 784.0, 0.0);
( 396724.4, 3872159.6, 784.0, 784.0, 0.0); (
395803.4, 3872550.0, 809.5, 1275.0, 0.0);
( 395780.4, 3872540.4, 803.2, 1275.0, 0.0); (
395757.4, 3872530.9, 799.0, 1275.0, 0.0);
( 395734.4, 3872521.3, 796.0, 1275.0, 0.0); (
395711.4, 3872511.8, 793.4, 1275.0, 0.0);
( 395688.4, 3872502.2, 792.2, 1275.0, 0.0); (
395665.3, 3872492.7, 791.3, 1275.0, 0.0);
( 395642.3, 3872483.1, 791.0, 1275.0, 0.0); (
395619.3, 3872473.6, 790.9, 1275.0, 0.0);
( 395596.3, 3872464.0, 790.6, 1275.0, 0.0); (
395573.3, 3872454.5, 790.7, 1275.0, 0.0);
( 395550.3, 3872444.9, 791.0, 1275.0, 0.0); (
395527.3, 3872435.4, 791.0, 1275.0, 0.0);
( 395504.3, 3872425.8, 791.0, 1275.0, 0.0); (
395481.3, 3872416.3, 791.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395458.3, 3872406.7, 791.0, 1275.0, 0.0); ( 395435.3, 3872397.2, 791.1, 1275.0, 0.0);
( 395412.2, 3872387.6, 791.1, 1275.0, 0.0); ( 395389.2, 3872378.1, 791.5, 1275.0, 0.0);
( 395366.2, 3872368.5, 791.7, 1275.0, 0.0); ( 395343.2, 3872359.0, 792.0, 1275.0, 0.0);
( 395320.2, 3872349.4, 792.0, 1275.0, 0.0); ( 395297.2, 3872339.9, 792.0, 1275.0, 0.0);
( 395274.2, 3872330.4, 792.0, 1275.0, 0.0); ( 395251.2, 3872320.8, 792.0, 1275.0, 0.0);
( 395228.2, 3872311.3, 792.0, 1275.0, 0.0); ( 395205.2, 3872301.7, 792.0, 1275.0, 0.0);
( 395182.2, 3872292.2, 792.6, 1275.0, 0.0); ( 395159.1, 3872282.6, 793.0, 1275.0, 0.0);
( 395136.1, 3872273.1, 793.0, 1275.0, 0.0); ( 395113.1, 3872263.5, 793.0, 1275.0, 0.0);
( 395090.1, 3872254.0, 793.6, 1275.0, 0.0); ( 395067.1, 3872244.4, 794.0, 1275.0, 0.0);
( 395044.1, 3872234.9, 794.0, 1275.0, 0.0); ( 395021.1, 3872225.3, 794.0, 1275.0, 0.0);
( 394998.1, 3872215.8, 794.0, 1275.0, 0.0); ( 394975.1, 3872206.2, 794.5, 1275.0, 0.0);
( 394952.1, 3872196.7, 794.8, 1275.0, 0.0); ( 394929.1, 3872187.1, 795.0, 1275.0, 0.0);
( 394906.0, 3872177.6, 795.0, 1275.0, 0.0); ( 394883.0, 3872168.0, 795.0, 1275.0, 0.0);
( 394860.0, 3872158.5, 795.3, 1275.0, 0.0); ( 394837.0, 3872148.9, 796.0, 1275.0, 0.0);
( 394814.0, 3872139.4, 796.0, 1275.0, 0.0); ( 394791.0, 3872129.8, 796.0, 1275.0, 0.0);
( 394768.0, 3872120.3, 796.1, 1275.0, 0.0); ( 394745.0, 3872110.7, 796.1, 1275.0, 0.0);
( 394722.0, 3872101.2, 796.9, 1275.0, 0.0); ( 394699.0, 3872091.6, 797.0, 1275.0, 0.0);
( 394676.0, 3872082.1, 797.0, 1275.0, 0.0); ( 394653.0, 3872072.5, 797.1, 1275.0, 0.0);
( 394630.0, 3872063.0, 797.2, 1275.0, 0.0); ( 394606.9, 3872053.4, 797.8, 1275.0, 0.0);
( 394583.9, 3872043.9, 798.0, 1275.0, 0.0); ( 394560.9, 3872034.3, 798.1, 1275.0, 0.0);

( 394537.9, 3872024.8, 798.0, 1275.0, 0.0); (
394514.9, 3872015.2, 798.0, 1275.0, 0.0);
( 394491.9, 3872005.7, 798.2, 1275.0, 0.0); (
394468.9, 3871996.2, 798.0, 1275.0, 0.0);
( 394445.9, 3871986.6, 798.1, 1275.0, 0.0); (
394422.9, 3871977.1, 798.9, 1275.0, 0.0);
( 394399.9, 3871967.5, 799.0, 1275.0, 0.0); (
394376.8, 3871958.0, 799.0, 1275.0, 0.0);
( 394353.8, 3871948.4, 799.1, 1275.0, 0.0); (
394330.8, 3871938.9, 799.1, 1275.0, 0.0);
( 394307.8, 3871929.3, 799.7, 1275.0, 0.0); (
394284.8, 3871919.8, 800.2, 1275.0, 0.0);
( 394261.8, 3871910.2, 800.4, 1275.0, 0.0); (
394238.8, 3871900.7, 800.8, 1275.0, 0.0);
( 394215.8, 3871891.1, 800.9, 1275.0, 0.0); (
394192.8, 3871881.6, 801.6, 1275.0, 0.0);
( 394169.8, 3871872.0, 801.9, 1275.0, 0.0); (
394146.8, 3871862.5, 802.1, 1275.0, 0.0);
( 394123.8, 3871852.9, 802.9, 1275.0, 0.0); (
394100.7, 3871843.4, 803.6, 1275.0, 0.0);
( 394077.7, 3871833.8, 803.8, 1275.0, 0.0); (
394054.7, 3871824.3, 804.2, 1275.0, 0.0);
( 394031.7, 3871814.7, 804.9, 1275.0, 0.0); (
394008.7, 3871805.2, 804.9, 1275.0, 0.0);
( 393976.2, 3871772.6, 804.9, 1275.0, 0.0); (
393966.7, 3871749.6, 805.0, 1275.0, 0.0);
( 393957.2, 3871726.5, 805.0, 1275.0, 0.0); (
393947.7, 3871703.5, 804.8, 1275.0, 0.0);
( 393938.2, 3871680.5, 804.5, 1275.0, 0.0); (
393928.8, 3871657.4, 804.1, 1275.0, 0.0);
( 393919.3, 3871634.4, 803.7, 1275.0, 0.0); (
393909.8, 3871611.4, 804.0, 1275.0, 0.0);
( 393900.3, 3871588.3, 803.7, 1275.0, 0.0); (
393890.8, 3871565.3, 803.6, 1275.0, 0.0);
( 393881.3, 3871542.3, 803.8, 1275.0, 0.0); (
393871.8, 3871519.2, 803.4, 1275.0, 0.0);
( 393862.3, 3871496.2, 803.6, 1275.0, 0.0); (
393852.8, 3871473.2, 803.9, 1275.0, 0.0);
( 393843.3, 3871450.1, 804.2, 1275.0, 0.0); (
393833.9, 3871427.1, 804.5, 1275.0, 0.0);
( 393824.4, 3871404.1, 805.4, 1275.0, 0.0); (
393814.9, 3871381.0, 806.9, 1275.0, 0.0);
( 393805.4, 3871358.0, 808.5, 1275.0, 0.0); (
393795.9, 3871335.0, 810.2, 1275.0, 0.0);
( 393786.4, 3871311.9, 813.9, 1275.0, 0.0); (
393776.9, 3871288.9, 818.3, 1275.0, 0.0);
( 393767.4, 3871265.9, 822.5, 1275.0, 0.0); (
393758.0, 3871242.8, 826.6, 1275.0, 0.0);
( 393748.5, 3871219.8, 831.1, 1275.0, 0.0); (
393739.0, 3871196.8, 836.1, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 393729.5, 3871173.7, 842.7, 1275.0, 0.0); ( 393720.0, 3871150.7, 852.8, 1275.0, 0.0);
( 393710.5, 3871127.7, 865.0, 1275.0, 0.0); ( 393701.0, 3871104.6, 870.0, 1275.0, 0.0);
( 393691.5, 3871081.6, 872.7, 1275.0, 0.0); ( 393682.0, 3871058.6, 876.9, 1275.0, 0.0);
( 393672.5, 3871035.5, 883.8, 1275.0, 0.0); ( 393663.0, 3871012.5, 890.6, 1275.0, 0.0);
( 393653.6, 3870989.5, 894.5, 1275.0, 0.0); ( 393644.1, 3870966.4, 895.2, 1275.0, 0.0);
( 393634.6, 3870943.4, 891.6, 1275.0, 0.0); ( 393625.1, 3870920.4, 885.4, 1275.0, 0.0);
( 393615.6, 3870897.3, 877.8, 1275.0, 0.0); ( 393606.1, 3870874.3, 868.1, 1275.0, 0.0);
( 393596.6, 3870851.3, 858.1, 1275.0, 0.0); ( 393587.1, 3870828.2, 848.5, 1275.0, 0.0);
( 393577.6, 3870805.2, 840.7, 1275.0, 0.0); ( 393568.2, 3870782.2, 833.8, 1275.0, 0.0);
( 393558.7, 3870759.1, 830.2, 1275.0, 0.0); ( 393549.2, 3870736.1, 833.0, 1275.0, 0.0);
( 393539.7, 3870713.1, 840.8, 1275.0, 0.0); ( 393530.2, 3870690.0, 847.8, 1275.0, 0.0);
( 393520.7, 3870667.0, 853.8, 1275.0, 0.0); ( 393511.2, 3870644.0, 857.9, 1275.0, 0.0);
( 393501.7, 3870620.9, 856.9, 1275.0, 0.0); ( 393492.2, 3870597.9, 853.4, 1275.0, 0.0);
( 393482.8, 3870574.9, 851.4, 1275.0, 0.0); ( 393473.3, 3870551.8, 852.7, 1275.0, 0.0);
( 393463.8, 3870528.8, 858.1, 1275.0, 0.0); ( 393454.3, 3870505.8, 863.6, 1275.0, 0.0);
( 393444.8, 3870482.7, 867.2, 1275.0, 0.0); ( 393435.3, 3870459.7, 868.4, 1275.0, 0.0);
( 393425.8, 3870436.7, 867.3, 1275.0, 0.0); ( 393416.3, 3870413.6, 865.2, 1275.0, 0.0);
( 393406.8, 3870390.6, 862.8, 1275.0, 0.0); ( 393397.3, 3870367.6, 859.6, 1275.0, 0.0);
( 393387.9, 3870344.5, 855.7, 1275.0, 0.0); ( 393378.4, 3870321.5, 851.1, 1275.0, 0.0);
( 393368.9, 3870298.5, 848.3, 1275.0, 0.0); ( 393359.4, 3870275.4, 849.9, 1275.0, 0.0);

( 393349.9, 3870252.4, 857.7, 1275.0, 0.0); (
393340.4, 3870229.4, 868.3, 1275.0, 0.0);
( 393330.9, 3870206.3, 879.6, 1275.0, 0.0); (
393321.4, 3870183.3, 890.7, 1275.0, 0.0);
( 393311.9, 3870160.3, 902.6, 1275.0, 0.0); (
393302.5, 3870137.2, 910.4, 1275.0, 0.0);
( 393293.0, 3870114.2, 909.8, 1275.0, 0.0); (
393283.5, 3870091.2, 906.2, 1275.0, 0.0);
( 393274.0, 3870068.1, 897.1, 1275.0, 0.0); (
393264.5, 3870045.1, 884.3, 1275.0, 0.0);
( 393255.0, 3870022.1, 873.8, 1275.0, 0.0); (
393245.5, 3869999.0, 862.9, 1275.0, 0.0);
( 393236.0, 3869976.0, 852.6, 1275.0, 0.0); (
395826.4, 3872559.5, 817.7, 1275.0, 0.0);
( 395851.4, 3872559.5, 822.1, 1275.0, 0.0); (
395876.3, 3872559.5, 825.4, 1275.0, 0.0);
( 395901.2, 3872559.5, 826.4, 1273.0, 0.0); (
395926.2, 3872559.5, 824.8, 846.0, 0.0);
( 395951.1, 3872559.5, 822.5, 852.0, 0.0); (
395976.1, 3872559.5, 820.0, 852.0, 0.0);
( 396001.0, 3872559.5, 816.9, 852.0, 0.0); (
396026.0, 3872559.5, 813.7, 1273.0, 0.0);
( 396050.9, 3872559.5, 810.9, 1273.0, 0.0); (
396075.9, 3872559.5, 808.8, 1273.0, 0.0);
( 396100.8, 3872559.5, 808.0, 852.0, 0.0); (
396125.8, 3872559.5, 807.1, 852.0, 0.0);
( 396150.7, 3872559.5, 806.9, 852.0, 0.0); (
396175.6, 3872559.5, 806.4, 852.0, 0.0);
( 396200.6, 3872559.5, 805.6, 852.0, 0.0); (
396225.5, 3872559.5, 804.8, 852.0, 0.0);
( 396250.5, 3872559.5, 804.0, 852.0, 0.0); (
396275.4, 3872559.5, 803.2, 852.0, 0.0);
( 396300.4, 3872559.5, 802.3, 852.0, 0.0); (
396325.3, 3872559.5, 800.6, 852.0, 0.0);
( 396350.2, 3872559.5, 798.7, 852.0, 0.0); (
396375.2, 3872559.5, 797.4, 852.0, 0.0);
( 396400.1, 3872559.5, 797.4, 852.0, 0.0); (
396425.1, 3872559.5, 796.6, 852.0, 0.0);
( 396450.0, 3872559.5, 795.9, 852.0, 0.0); (
396475.0, 3872559.5, 795.1, 852.0, 0.0);
( 396499.9, 3872559.5, 794.3, 852.0, 0.0); (
396524.9, 3872559.5, 793.8, 852.0, 0.0);
( 396549.8, 3872559.5, 794.4, 852.0, 0.0); (
396574.8, 3872559.5, 795.2, 852.0, 0.0);
( 396599.7, 3872559.5, 796.5, 852.0, 0.0); (
396624.6, 3872559.6, 797.0, 852.0, 0.0);
( 396649.6, 3872559.6, 795.6, 852.0, 0.0); (
396674.5, 3872559.6, 792.5, 852.0, 0.0);
( 396699.5, 3872559.6, 790.8, 852.0, 0.0); (
396724.4, 3872559.6, 790.0, 852.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396749.5, 3869959.6, 774.1, 774.1, 0.0); ( 396749.5, 3869934.7, 774.0, 774.0, 0.0);
( 396749.5, 3869909.8, 774.0, 774.0, 0.0); ( 396749.5, 3869884.9, 774.0, 774.0, 0.0);
( 396749.5, 3869860.0, 774.0, 774.0, 0.0); ( 396749.5, 3869835.1, 774.0, 774.0, 0.0);
( 396749.5, 3869810.2, 774.0, 774.0, 0.0); ( 396749.5, 3869785.3, 774.0, 774.0, 0.0);
( 396749.5, 3869760.4, 774.0, 774.0, 0.0); ( 396749.5, 3869735.5, 773.7, 773.7, 0.0);
( 396749.5, 3869710.6, 773.0, 773.0, 0.0); ( 396749.5, 3869685.8, 773.0, 773.0, 0.0);
( 396749.5, 3869660.9, 773.0, 773.0, 0.0); ( 396749.5, 3869636.0, 773.0, 773.0, 0.0);
( 396749.5, 3869611.1, 773.0, 773.0, 0.0); ( 396749.5, 3869586.2, 772.8, 772.8, 0.0);
( 396749.5, 3869561.3, 772.3, 772.3, 0.0); ( 396749.5, 3869536.4, 772.0, 772.0, 0.0);
( 396749.5, 3869511.5, 772.0, 772.0, 0.0); ( 396749.5, 3869486.6, 772.0, 772.0, 0.0);
( 396749.5, 3869461.7, 772.0, 772.0, 0.0); ( 396749.5, 3869436.8, 772.0, 772.0, 0.0);
( 396749.5, 3869411.9, 771.9, 771.9, 0.0); ( 396749.5, 3869387.1, 771.4, 771.4, 0.0);
( 396749.5, 3869362.2, 771.1, 771.1, 0.0); ( 396749.5, 3869337.3, 771.0, 771.0, 0.0);
( 396749.5, 3869312.4, 771.0, 771.0, 0.0); ( 396749.5, 3869287.5, 771.0, 771.0, 0.0);
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( 396749.5, 3869163.0, 771.0, 771.0, 0.0); ( 396749.5, 3869138.1, 771.0, 771.0, 0.0);
( 396749.5, 3869113.2, 771.0, 771.0, 0.0); ( 396749.5, 3869088.4, 771.0, 771.0, 0.0);
( 396749.5, 3869063.5, 771.0, 771.0, 0.0); ( 396767.2, 3869977.2, 774.8, 774.8, 0.0);
( 396774.5, 3869934.7, 774.1, 774.1, 0.0); ( 396774.5, 3869909.8, 774.3, 774.3, 0.0);

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( 396774.5, 3869088.4, 770.5, 770.5, 0.0); (
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( 396759.9, 3870019.9, 775.0, 775.0, 0.0); (
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( 396799.5, 3869909.8, 774.5, 774.5, 0.0); (
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( 396799.5, 3869810.2, 774.0, 774.0, 0.0); (
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( 396799.5, 3869760.4, 774.0, 774.0, 0.0); (
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( 396799.5, 3869710.6, 773.0, 773.0, 0.0); (
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( 396799.5, 3869660.9, 773.0, 773.0, 0.0); (
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( 396799.5, 3869611.1, 772.8, 772.8, 0.0); (
396799.5, 3869586.2, 772.5, 772.5, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396799.5, 3869561.3,     772.0,     772.0,       0.0);         (
396799.5, 3869536.4,     772.0,     772.0,       0.0);
     ( 396799.5, 3869511.5,     772.0,     772.0,       0.0);         (
396799.5, 3869486.6,     771.8,     771.8,       0.0);
     ( 396799.5, 3869461.7,     771.7,     771.7,       0.0);         (
396799.5, 3869436.8,     771.5,     771.5,       0.0);
     ( 396799.5, 3869411.9,     771.0,     771.0,       0.0);         (
396799.5, 3869387.0,     771.0,     771.0,       0.0);
     ( 396799.5, 3869362.2,     771.0,     771.0,       0.0);         (
396799.5, 3869337.3,     771.0,     771.0,       0.0);
     ( 396799.5, 3869312.4,     771.0,     771.0,       0.0);         (
396799.5, 3869287.5,     771.0,     771.0,       0.0);
     ( 396799.5, 3869262.6,     771.0,     771.0,       0.0);         (
396799.5, 3869237.7,     771.0,     771.0,       0.0);
     ( 396799.5, 3869212.8,     770.8,     770.8,       0.0);         (
396799.5, 3869187.9,     770.3,     770.3,       0.0);
     ( 396799.5, 3869163.0,     770.0,     770.0,       0.0);         (
396799.5, 3869138.1,     770.0,     770.0,       0.0);
     ( 396799.5, 3869113.2,     770.0,     770.0,       0.0);         (
396799.5, 3869088.4,     770.0,     770.0,       0.0);
     ( 396799.5, 3869063.5,     770.0,     770.0,       0.0);         (
396817.2, 3869977.2,     774.8,     774.8,       0.0);
     ( 396802.6, 3870012.6,     775.0,     775.0,       0.0);         (
396777.6, 3870037.6,     775.0,     775.0,       0.0);
     ( 396824.5, 3869934.7,     774.6,     774.6,       0.0);         (
396824.5, 3869909.8,     774.4,     774.4,       0.0);
     ( 396824.5, 3869884.9,     774.0,     774.0,       0.0);         (
396824.5, 3869860.0,     774.0,     774.0,       0.0);
     ( 396824.5, 3869835.1,     774.0,     774.0,       0.0);         (
396824.5, 3869810.2,     774.0,     774.0,       0.0);
     ( 396824.5, 3869785.3,     774.0,     774.0,       0.0);         (
396824.5, 3869760.4,     773.9,     773.9,       0.0);
     ( 396824.5, 3869735.5,     773.6,     773.6,       0.0);         (
396824.5, 3869710.6,     773.0,     773.0,       0.0);
     ( 396824.5, 3869685.8,     773.0,     773.0,       0.0);         (
396824.5, 3869660.9,     773.0,     773.0,       0.0);
     ( 396824.5, 3869636.0,     772.9,     772.9,       0.0);         (
396824.5, 3869611.1,     772.4,     772.4,       0.0);
     ( 396824.5, 3869586.2,     772.0,     772.0,       0.0);         (
396824.5, 3869561.3,     772.0,     772.0,       0.0);
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( 396824.5, 3869436.8, 771.0, 771.0, 0.0); (
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( 396824.5, 3869387.0, 771.0, 771.0, 0.0); (
396824.5, 3869362.2, 771.0, 771.0, 0.0);
( 396824.5, 3869337.3, 771.0, 771.0, 0.0); (
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( 396824.5, 3869287.5, 771.0, 771.0, 0.0); (
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( 396824.5, 3869187.9, 770.0, 770.0, 0.0); (
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( 396824.5, 3869138.1, 770.0, 770.0, 0.0); (
396824.5, 3869113.2, 770.0, 770.0, 0.0);
( 396824.5, 3869088.4, 770.0, 770.0, 0.0); (
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( 396857.0, 3870002.0, 774.4, 774.4, 0.0); (
396848.2, 3870023.2, 775.0, 775.0, 0.0);
( 396839.4, 3870044.4, 775.0, 775.0, 0.0); (
396809.4, 3870074.4, 775.0, 775.0, 0.0);
( 396788.2, 3870083.2, 775.0, 775.0, 0.0); (
396767.0, 3870092.0, 775.4, 775.4, 0.0);
( 396745.8, 3870100.8, 775.8, 775.8, 0.0); (
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( 396874.5, 3869934.7, 774.0, 774.0, 0.0); (
396874.5, 3869909.8, 774.0, 774.0, 0.0);
( 396874.5, 3869884.9, 774.0, 774.0, 0.0); (
396874.5, 3869860.0, 774.0, 774.0, 0.0);
( 396874.5, 3869835.1, 774.0, 774.0, 0.0); (
396874.5, 3869810.2, 774.0, 774.0, 0.0);
( 396874.5, 3869785.3, 774.0, 774.0, 0.0); (
396874.5, 3869760.4, 773.5, 773.5, 0.0);
( 396874.5, 3869735.5, 773.0, 773.0, 0.0); (
396874.5, 3869710.6, 773.0, 773.0, 0.0);
( 396874.5, 3869685.8, 773.0, 773.0, 0.0); (
396874.5, 3869660.9, 772.3, 772.3, 0.0);
( 396874.5, 3869636.0, 772.1, 772.1, 0.0); (
396874.5, 3869611.1, 772.0, 772.0, 0.0);
( 396874.5, 3869586.2, 772.0, 772.0, 0.0); (
396874.5, 3869561.3, 771.9, 771.9, 0.0);
( 396874.5, 3869536.4, 771.2, 771.2, 0.0); (
396874.5, 3869511.5, 771.0, 771.0, 0.0);
( 396874.5, 3869486.6, 771.0, 771.0, 0.0); (
396874.5, 3869461.7, 771.0, 771.0, 0.0);
( 396874.5, 3869436.8, 771.0, 771.0, 0.0); (
396874.5, 3869411.9, 771.0, 771.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396874.5, 3869387.0,     771.0,     771.0,       0.0);         (
396874.5, 3869362.2,     771.0,     771.0,       0.0);
     ( 396874.5, 3869337.3,     771.0,     771.0,       0.0);         (
396874.5, 3869312.4,     771.0,     771.0,       0.0);
     ( 396874.5, 3869287.5,     771.0,     771.0,       0.0);         (
396874.5, 3869262.6,     770.9,     770.9,       0.0);
     ( 396874.5, 3869237.7,     770.1,     770.1,       0.0);         (
396874.5, 3869212.8,     770.0,     770.0,       0.0);
     ( 396874.5, 3869187.9,     770.0,     770.0,       0.0);         (
396874.5, 3869163.0,     770.0,     770.0,       0.0);
     ( 396874.5, 3869138.1,     770.0,     770.0,       0.0);         (
396874.5, 3869113.2,     770.0,     770.0,       0.0);
     ( 396874.5, 3869088.3,     770.0,     770.0,       0.0);         (
396874.5, 3869063.5,     770.0,     770.0,       0.0);
     ( 396916.2, 3869979.8,     774.0,     774.0,       0.0);         (
396899.4, 3870020.2,     774.0,     774.0,       0.0);
     ( 396882.7, 3870060.6,     774.5,     774.5,       0.0);         (
396845.8, 3870109.3,     775.0,     775.0,       0.0);
     ( 396805.3, 3870126.1,     775.7,     775.7,       0.0);         (
396764.9, 3870142.8,     776.0,     776.0,       0.0);
     ( 396924.5, 3869934.7,     774.0,     774.0,       0.0);         (
396924.5, 3869909.8,     774.0,     774.0,       0.0);
     ( 396924.5, 3869884.9,     774.0,     774.0,       0.0);         (
396924.5, 3869860.0,     774.0,     774.0,       0.0);
     ( 396924.5, 3869835.1,     774.0,     774.0,       0.0);         (
396924.5, 3869810.2,     774.0,     774.0,       0.0);
     ( 396924.5, 3869785.3,     773.3,     773.3,       0.0);         (
396924.5, 3869760.4,     773.0,     773.0,       0.0);
     ( 396924.5, 3869735.5,     773.0,     773.0,       0.0);         (
396924.5, 3869710.6,     772.9,     772.9,       0.0);
     ( 396924.5, 3869685.8,     772.5,     772.5,       0.0);         (
396924.5, 3869660.8,     772.1,     772.1,       0.0);
     ( 396924.5, 3869636.0,     772.0,     772.0,       0.0);         (
396924.5, 3869611.1,     772.0,     772.0,       0.0);
     ( 396924.5, 3869586.2,     771.7,     771.7,       0.0);         (
396924.5, 3869561.3,     771.0,     771.0,       0.0);
     ( 396924.5, 3869536.4,     771.0,     771.0,       0.0);         (
396924.5, 3869511.5,     771.0,     771.0,       0.0);
     ( 396924.5, 3869486.6,     771.0,     771.0,       0.0);         (
396924.5, 3869461.7,     771.0,     771.0,       0.0);
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396924.5, 3869362.2, 771.0, 771.0, 0.0);
( 396924.5, 3869337.3, 771.0, 771.0, 0.0); (
396924.5, 3869312.4, 771.0, 771.0, 0.0);
( 396924.5, 3869287.5, 770.7, 770.7, 0.0); (
396924.5, 3869262.6, 770.0, 770.0, 0.0);
( 396924.5, 3869237.7, 770.0, 770.0, 0.0); (
396924.5, 3869212.8, 770.0, 770.0, 0.0);
( 396924.5, 3869187.9, 770.0, 770.0, 0.0); (
396924.5, 3869163.0, 770.0, 770.0, 0.0);
( 396924.5, 3869138.1, 770.0, 770.0, 0.0); (
396924.5, 3869113.2, 770.0, 770.0, 0.0);
( 396924.5, 3869088.3, 770.0, 770.0, 0.0); (
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( 396965.4, 3869981.6, 774.0, 774.0, 0.0); (
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( 396928.8, 3870070.0, 774.8, 774.8, 0.0); (
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( 396910.5, 3870114.2, 775.0, 775.0, 0.0); (
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( 396857.1, 3870154.6, 775.6, 775.6, 0.0); (
396835.0, 3870163.8, 776.0, 776.0, 0.0);
( 396812.9, 3870172.9, 776.0, 776.0, 0.0); (
396790.8, 3870182.1, 776.0, 776.0, 0.0);
( 396768.7, 3870191.2, 776.0, 776.0, 0.0); (
396746.6, 3870200.4, 776.0, 776.0, 0.0);
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( 396974.5, 3869909.8, 774.0, 774.0, 0.0); (
396974.5, 3869884.9, 774.0, 774.0, 0.0);
( 396974.5, 3869860.0, 774.0, 774.0, 0.0); (
396974.5, 3869835.1, 774.0, 774.0, 0.0);
( 396974.5, 3869810.2, 773.2, 773.2, 0.0); (
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( 396974.5, 3869710.6, 772.7, 772.7, 0.0); (
396974.5, 3869685.7, 772.0, 772.0, 0.0);
( 396974.5, 3869660.8, 772.0, 772.0, 0.0); (
396974.5, 3869636.0, 772.0, 772.0, 0.0);
( 396974.5, 3869611.1, 771.5, 771.5, 0.0); (
396974.5, 3869586.2, 771.0, 771.0, 0.0);
( 396974.5, 3869561.3, 771.0, 771.0, 0.0); (
396974.5, 3869536.4, 771.0, 771.0, 0.0);
( 396974.5, 3869511.5, 771.0, 771.0, 0.0); (
396974.5, 3869486.6, 771.0, 771.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396974.5, 3869461.7,     771.0,     771.0,       0.0);         (
396974.5, 3869436.8,     771.0,     771.0,       0.0);
     ( 396974.5, 3869411.9,     771.0,     771.0,       0.0);         (
396974.5, 3869387.0,     771.0,     771.0,       0.0);
     ( 396974.5, 3869362.2,     771.0,     771.0,       0.0);         (
396974.5, 3869337.3,     771.0,     771.0,       0.0);
     ( 396974.5, 3869312.4,     770.9,     770.9,       0.0);         (
396974.5, 3869287.5,     770.6,     770.6,       0.0);
     ( 396974.5, 3869262.6,     770.0,     770.0,       0.0);         (
396974.5, 3869237.7,     770.0,     770.0,       0.0);
     ( 396974.5, 3869212.8,     770.0,     770.0,       0.0);         (
396974.5, 3869187.9,     770.0,     770.0,       0.0);
     ( 396974.5, 3869163.0,     769.9,     769.9,       0.0);         (
396974.5, 3869138.1,     769.6,     769.6,       0.0);
     ( 396974.5, 3869113.2,     769.0,     769.0,       0.0);         (
396974.5, 3869088.3,     769.0,     769.0,       0.0);
     ( 396974.5, 3869063.5,     769.0,     769.0,       0.0);         (
397049.0, 3869981.0,     774.0,     774.0,       0.0);
     ( 397040.1, 3870002.4,     774.4,     774.4,       0.0);         (
397031.2, 3870023.8,     775.0,     775.0,       0.0);
     ( 397022.4, 3870045.3,     775.0,     775.0,       0.0);         (
397013.5, 3870066.7,     775.0,     775.0,       0.0);
     ( 397004.6, 3870088.1,     775.0,     775.0,       0.0);         (
396995.7, 3870109.5,     775.0,     775.0,       0.0);
     ( 396986.9, 3870131.0,     775.0,     775.0,       0.0);         (
396978.0, 3870152.4,     775.0,     775.0,       0.0);
     ( 396969.1, 3870173.8,     775.0,     775.0,       0.0);         (
396938.8, 3870204.1,     775.3,     775.3,       0.0);
     ( 396917.4, 3870213.0,     775.9,     775.9,       0.0);         (
396896.0, 3870221.9,     776.0,     776.0,       0.0);
     ( 396874.5, 3870230.8,     776.0,     776.0,       0.0);         (
396853.1, 3870239.6,     776.0,     776.0,       0.0);
     ( 396831.7, 3870248.5,     776.0,     776.0,       0.0);         (
396810.2, 3870257.4,     776.1,     776.1,       0.0);
     ( 396788.8, 3870266.3,     776.4,     776.4,       0.0);         (
396767.4, 3870275.1,     776.9,     776.9,       0.0);
     ( 396746.0, 3870284.0,     777.0,     777.0,       0.0);         (
397057.9, 3869959.5,     774.0,     774.0,       0.0);
     ( 397057.9, 3869934.6,     774.0,     774.0,       0.0);         (
397057.9, 3869909.8,     774.0,     774.0,       0.0);
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( 397057.9, 3869884.9, 774.0, 774.0, 0.0); (
397057.9, 3869860.0, 774.0, 774.0, 0.0);
( 397057.9, 3869835.1, 774.0, 774.0, 0.0); (
397057.9, 3869810.2, 773.2, 773.2, 0.0);
( 397057.9, 3869785.3, 773.0, 773.0, 0.0); (
397057.9, 3869760.4, 772.5, 772.5, 0.0);
( 397057.9, 3869735.5, 772.0, 772.0, 0.0); (
397057.9, 3869710.6, 772.0, 772.0, 0.0);
( 397057.9, 3869685.7, 772.0, 772.0, 0.0); (
397057.9, 3869660.8, 771.2, 771.2, 0.0);
( 397057.9, 3869636.0, 771.0, 771.0, 0.0); (
397057.9, 3869611.1, 771.0, 771.0, 0.0);
( 397057.9, 3869586.2, 771.0, 771.0, 0.0); (
397057.9, 3869561.3, 771.0, 771.0, 0.0);
( 397057.8, 3869536.4, 771.0, 771.0, 0.0); (
397057.8, 3869511.5, 771.0, 771.0, 0.0);
( 397057.8, 3869486.6, 771.0, 771.0, 0.0); (
397057.8, 3869461.7, 771.0, 771.0, 0.0);
( 397057.8, 3869436.8, 771.0, 771.0, 0.0); (
397057.8, 3869411.9, 771.0, 771.0, 0.0);
( 397057.8, 3869387.0, 771.0, 771.0, 0.0); (
397057.8, 3869362.1, 771.0, 771.0, 0.0);
( 397057.8, 3869337.3, 771.0, 771.0, 0.0); (
397057.8, 3869312.4, 770.6, 770.6, 0.0);
( 397057.8, 3869287.5, 770.0, 770.0, 0.0); (
397057.8, 3869262.6, 770.0, 770.0, 0.0);
( 397057.8, 3869237.7, 770.0, 770.0, 0.0); (
397057.8, 3869212.8, 770.0, 770.0, 0.0);
( 397057.8, 3869187.9, 769.4, 769.4, 0.0); (
397057.8, 3869163.0, 769.0, 769.0, 0.0);
( 397057.8, 3869138.1, 769.0, 769.0, 0.0); (
397057.8, 3869113.2, 769.0, 769.0, 0.0);
( 397057.8, 3869088.3, 769.0, 769.0, 0.0); (
397057.8, 3869063.5, 769.0, 769.0, 0.0);
( 397131.8, 3869982.2, 774.0, 774.0, 0.0); (
397122.4, 3870004.9, 774.0, 774.0, 0.0);
( 397113.0, 3870027.5, 774.0, 774.0, 0.0); (
397103.7, 3870050.2, 774.0, 774.0, 0.0);
( 397094.3, 3870072.9, 774.0, 774.0, 0.0); (
397084.9, 3870095.5, 774.1, 774.1, 0.0);
( 397075.5, 3870118.2, 774.5, 774.5, 0.0); (
397066.1, 3870140.9, 774.8, 774.8, 0.0);
( 397056.7, 3870163.5, 775.0, 775.0, 0.0); (
397047.3, 3870186.2, 775.0, 775.0, 0.0);
( 397037.9, 3870208.9, 775.0, 775.0, 0.0); (
397028.6, 3870231.5, 775.0, 775.0, 0.0);
( 396996.5, 3870263.6, 775.3, 775.3, 0.0); (
396973.8, 3870273.0, 775.9, 775.9, 0.0);
( 396951.2, 3870282.3, 776.0, 776.0, 0.0); (
396928.5, 3870291.7, 776.0, 776.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396905.8, 3870301.1, 776.0, 776.0, 0.0); ( 396883.2, 3870310.5, 776.0, 776.0, 0.0);
( 396860.5, 3870319.9, 776.7, 776.7, 0.0); ( 396837.8, 3870329.3, 777.0, 777.0, 0.0);
( 396815.2, 3870338.7, 777.0, 777.0, 0.0); ( 396792.5, 3870348.1, 777.0, 777.0, 0.0);
( 396769.8, 3870357.4, 777.0, 777.0, 0.0); ( 396747.2, 3870366.8, 777.0, 777.0, 0.0);
( 397141.2, 3869959.5, 774.0, 774.0, 0.0); ( 397141.2, 3869934.6, 774.0, 774.0, 0.0);
( 397141.2, 3869909.8, 773.6, 773.6, 0.0); ( 397141.2, 3869884.9, 773.3, 773.3, 0.0);
( 397141.2, 3869860.0, 773.2, 773.2, 0.0); ( 397141.2, 3869835.1, 773.0, 773.0, 0.0);
( 397141.2, 3869810.2, 772.4, 772.4, 0.0); ( 397141.2, 3869785.3, 772.1, 772.1, 0.0);
( 397141.2, 3869760.4, 772.0, 772.0, 0.0); ( 397141.2, 3869735.5, 771.8, 771.8, 0.0);
( 397141.2, 3869710.6, 771.2, 771.2, 0.0); ( 397141.2, 3869685.7, 771.0, 771.0, 0.0);
( 397141.2, 3869660.8, 771.0, 771.0, 0.0); ( 397141.2, 3869635.9, 771.0, 771.0, 0.0);
( 397141.2, 3869611.1, 771.0, 771.0, 0.0); ( 397141.2, 3869586.2, 771.0, 771.0, 0.0);
( 397141.2, 3869561.3, 771.0, 771.0, 0.0); ( 397141.2, 3869536.4, 771.0, 771.0, 0.0);
( 397141.2, 3869511.5, 771.0, 771.0, 0.0); ( 397141.2, 3869486.6, 771.0, 771.0, 0.0);
( 397141.2, 3869461.7, 771.0, 771.0, 0.0); ( 397141.2, 3869436.8, 771.0, 771.0, 0.0);
( 397141.2, 3869411.9, 771.0, 771.0, 0.0); ( 397141.2, 3869387.0, 771.0, 771.0, 0.0);
( 397141.2, 3869362.1, 770.2, 770.2, 0.0); ( 397141.2, 3869337.3, 770.0, 770.0, 0.0);
( 397141.2, 3869312.4, 770.0, 770.0, 0.0); ( 397141.2, 3869287.5, 770.0, 770.0, 0.0);
( 397141.2, 3869262.6, 769.9, 769.9, 0.0); ( 397141.2, 3869237.7, 769.3, 769.3, 0.0);
( 397141.2, 3869212.8, 769.1, 769.1, 0.0); ( 397141.2, 3869187.9, 769.0, 769.0, 0.0);

( 397141.2, 3869163.0, 769.0, 769.0, 0.0); (
397141.2, 3869138.1, 769.0, 769.0, 0.0);
( 397141.2, 3869113.2, 769.0, 769.0, 0.0); (
397141.2, 3869088.3, 769.0, 769.0, 0.0);
( 397141.2, 3869063.4, 769.0, 769.0, 0.0); (
397215.4, 3869981.6, 774.0, 774.0, 0.0);
( 397206.2, 3870003.7, 774.0, 774.0, 0.0); (
397197.1, 3870025.8, 774.0, 774.0, 0.0);
( 397187.9, 3870047.9, 774.0, 774.0, 0.0); (
397178.8, 3870070.0, 774.0, 774.0, 0.0);
( 397169.6, 3870092.1, 774.0, 774.0, 0.0); (
397160.5, 3870114.2, 774.0, 774.0, 0.0);
( 397151.3, 3870136.3, 774.0, 774.0, 0.0); (
397142.2, 3870158.4, 774.0, 774.0, 0.0);
( 397133.0, 3870180.5, 774.0, 774.0, 0.0); (
397123.9, 3870202.6, 774.0, 774.0, 0.0);
( 397114.7, 3870224.7, 774.2, 774.2, 0.0); (
397105.5, 3870246.8, 774.8, 774.8, 0.0);
( 397096.4, 3870268.9, 775.0, 775.0, 0.0); (
397087.2, 3870291.0, 775.0, 775.0, 0.0);
( 397056.0, 3870322.3, 776.0, 776.0, 0.0); (
397033.9, 3870331.4, 776.0, 776.0, 0.0);
( 397011.8, 3870340.6, 776.0, 776.0, 0.0); (
396989.7, 3870349.7, 776.0, 776.0, 0.0);
( 396967.6, 3870358.9, 776.4, 776.4, 0.0); (
396945.5, 3870368.0, 776.8, 776.8, 0.0);
( 396923.4, 3870377.2, 777.0, 777.0, 0.0); (
396901.3, 3870386.3, 777.0, 777.0, 0.0);
( 396879.2, 3870395.5, 777.0, 777.0, 0.0); (
396857.1, 3870404.6, 777.0, 777.0, 0.0);
( 396835.0, 3870413.8, 777.0, 777.0, 0.0); (
396812.9, 3870422.9, 777.0, 777.0, 0.0);
( 396790.8, 3870432.1, 777.0, 777.0, 0.0); (
396768.7, 3870441.2, 777.0, 777.0, 0.0);
( 396746.6, 3870450.4, 777.0, 777.0, 0.0); (
397224.5, 3869959.5, 773.0, 773.0, 0.0);
( 397224.5, 3869934.6, 773.0, 773.0, 0.0); (
397224.5, 3869909.8, 772.8, 772.8, 0.0);
( 397224.5, 3869884.9, 772.6, 772.6, 0.0); (
397224.5, 3869860.0, 772.4, 772.4, 0.0);
( 397224.5, 3869835.1, 772.4, 772.4, 0.0); (
397224.5, 3869810.2, 772.1, 772.1, 0.0);
( 397224.5, 3869785.3, 772.1, 772.1, 0.0); (
397224.5, 3869760.4, 771.9, 771.9, 0.0);
( 397224.5, 3869735.5, 771.8, 771.8, 0.0); (
397224.5, 3869710.6, 771.8, 771.8, 0.0);
( 397224.5, 3869685.7, 771.8, 771.8, 0.0); (
397224.5, 3869660.8, 771.8, 771.8, 0.0);
( 397224.5, 3869635.9, 771.6, 771.6, 0.0); (
397224.5, 3869611.1, 771.4, 771.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 397224.5, 3869586.2,     771.4,     771.4,       0.0);         (
397224.5, 3869561.3,     771.1,     771.1,       0.0);
     ( 397224.5, 3869536.4,     771.1,     771.1,       0.0);         (
397224.5, 3869511.5,     770.9,     770.9,       0.0);
     ( 397224.5, 3869486.6,     770.8,     770.8,       0.0);         (
397224.5, 3869461.7,     770.7,     770.7,       0.0);
     ( 397224.5, 3869436.8,     770.5,     770.5,       0.0);         (
397224.5, 3869411.9,     770.5,     770.5,       0.0);
     ( 397224.5, 3869387.0,     770.2,     770.2,       0.0);         (
397224.5, 3869362.1,     770.2,     770.2,       0.0);
     ( 397224.5, 3869337.2,     770.0,     770.0,       0.0);         (
397224.5, 3869312.4,     769.9,     769.9,       0.0);
     ( 397224.5, 3869287.5,     769.9,     769.9,       0.0);         (
397224.5, 3869262.6,     769.9,     769.9,       0.0);
     ( 397224.5, 3869237.7,     769.6,     769.6,       0.0);         (
397224.5, 3869212.8,     769.6,     769.6,       0.0);
     ( 397224.5, 3869187.9,     769.6,     769.6,       0.0);         (
397224.5, 3869163.0,     769.7,     769.7,       0.0);
     ( 397224.5, 3869138.1,     769.8,     769.8,       0.0);         (
397224.5, 3869113.2,     769.8,     769.8,       0.0);
     ( 397224.5, 3869088.3,     769.8,     769.8,       0.0);         (
397224.5, 3869063.4,     769.7,     769.7,       0.0);
     ( 397465.4, 3869981.6,     772.8,     772.8,       0.0);         (
397456.2, 3870003.7,     772.9,     772.9,       0.0);
     ( 397447.1, 3870025.8,     773.1,     773.1,       0.0);         (
397437.9, 3870047.9,     773.3,     773.3,       0.0);
     ( 397428.8, 3870070.0,     773.3,     773.3,       0.0);         (
397419.6, 3870092.1,     773.4,     773.4,       0.0);
     ( 397410.5, 3870114.2,     773.6,     773.6,       0.0);         (
397401.3, 3870136.3,     773.6,     773.6,       0.0);
     ( 397392.2, 3870158.4,     773.8,     773.8,       0.0);         (
397383.0, 3870180.5,     773.9,     773.9,       0.0);
     ( 397373.9, 3870202.6,     773.9,     773.9,       0.0);         (
397364.7, 3870224.7,     774.1,     774.1,       0.0);
     ( 397355.5, 3870246.8,     774.2,     774.2,       0.0);         (
397346.4, 3870268.9,     774.2,     774.2,       0.0);
     ( 397337.2, 3870291.0,     774.4,     774.4,       0.0);         (
397328.1, 3870313.1,     774.5,     774.5,       0.0);
     ( 397318.9, 3870335.2,     774.8,     774.8,       0.0);         (
397309.8, 3870357.3,     775.1,     775.1,       0.0);
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( 397300.6, 3870379.4, 775.4, 775.4, 0.0); (
397291.5, 3870401.5, 775.5, 775.5, 0.0);
( 397282.3, 3870423.6, 775.7, 775.7, 0.0); (
397273.2, 3870445.7, 775.8, 775.8, 0.0);
( 397264.0, 3870467.8, 776.0, 776.0, 0.0); (
397232.8, 3870499.0, 776.3, 776.3, 0.0);
( 397210.7, 3870508.2, 776.0, 776.0, 0.0); (
397188.6, 3870517.3, 776.0, 776.0, 0.0);
( 397166.5, 3870526.5, 776.0, 776.0, 0.0); (
397144.4, 3870535.6, 776.4, 776.4, 0.0);
( 397122.3, 3870544.8, 777.0, 777.0, 0.0); (
397100.2, 3870554.0, 777.0, 777.0, 0.0);
( 397078.1, 3870563.1, 777.0, 777.0, 0.0); (
397056.0, 3870572.3, 777.0, 777.0, 0.0);
( 397033.9, 3870581.4, 777.0, 777.0, 0.0); (
397011.8, 3870590.6, 777.0, 777.0, 0.0);
( 396989.7, 3870599.7, 777.0, 777.0, 0.0); (
396967.6, 3870608.9, 777.0, 777.0, 0.0);
( 396945.5, 3870618.0, 777.0, 777.0, 0.0); (
396923.4, 3870627.2, 777.0, 777.0, 0.0);
( 396901.3, 3870636.3, 777.2, 777.2, 0.0); (
396879.2, 3870645.5, 778.0, 778.0, 0.0);
( 396857.1, 3870654.6, 778.0, 778.0, 0.0); (
396835.0, 3870663.8, 778.0, 778.0, 0.0);
( 396812.9, 3870672.9, 778.0, 778.0, 0.0); (
396790.8, 3870682.1, 778.2, 778.2, 0.0);
( 396768.7, 3870691.2, 778.5, 778.5, 0.0); (
396746.6, 3870700.4, 778.9, 778.9, 0.0);
( 397474.5, 3869959.5, 772.7, 772.7, 0.0); (
397474.5, 3869934.6, 772.5, 772.5, 0.0);
( 397474.5, 3869909.7, 772.2, 772.2, 0.0); (
397474.5, 3869884.8, 772.1, 772.1, 0.0);
( 397474.5, 3869860.0, 772.0, 772.0, 0.0); (
397474.5, 3869835.1, 771.8, 771.8, 0.0);
( 397474.5, 3869810.2, 771.8, 771.8, 0.0); (
397474.5, 3869785.3, 771.5, 771.5, 0.0);
( 397474.5, 3869760.4, 771.3, 771.3, 0.0); (
397474.5, 3869735.5, 771.2, 771.2, 0.0);
( 397474.5, 3869710.6, 771.1, 771.1, 0.0); (
397474.5, 3869685.7, 771.1, 771.1, 0.0);
( 397474.5, 3869660.8, 771.1, 771.1, 0.0); (
397474.5, 3869635.9, 771.1, 771.1, 0.0);
( 397474.5, 3869611.0, 771.0, 771.0, 0.0); (
397474.5, 3869586.2, 770.8, 770.8, 0.0);
( 397474.5, 3869561.3, 770.8, 770.8, 0.0); (
397474.5, 3869536.4, 770.8, 770.8, 0.0);
( 397474.5, 3869511.5, 770.6, 770.6, 0.0); (
397474.5, 3869486.6, 770.6, 770.6, 0.0);
( 397474.5, 3869461.7, 770.4, 770.4, 0.0); (
397474.5, 3869436.8, 770.3, 770.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 397474.5, 3869411.9,     770.2,     770.2,       0.0);         (
397474.5, 3869387.0,     769.9,     769.9,       0.0);
     ( 397474.5, 3869362.1,     769.7,     769.7,       0.0);         (
397474.5, 3869337.2,     769.6,     769.6,       0.0);
     ( 397474.5, 3869312.3,     769.5,     769.5,       0.0);         (
397474.5, 3869287.5,     769.3,     769.3,       0.0);
     ( 397474.5, 3869262.6,     769.3,     769.3,       0.0);         (
397474.5, 3869237.7,     769.1,     769.1,       0.0);
     ( 397474.5, 3869212.8,     768.8,     768.8,       0.0);         (
397474.5, 3869187.9,     768.7,     768.7,       0.0);
     ( 397474.5, 3869163.0,     768.6,     768.6,       0.0);         (
397474.5, 3869138.1,     768.3,     768.3,       0.0);
     ( 397474.5, 3869113.2,     768.1,     768.1,       0.0);         (
397474.5, 3869088.3,     768.1,     768.1,       0.0);
     ( 397474.5, 3869063.4,     768.1,     768.1,       0.0);         (
397715.1, 3869982.3,     771.8,     771.8,       0.0);
     ( 397705.6, 3870005.1,     772.1,     772.1,       0.0);         (
397696.2, 3870027.9,     772.3,     772.3,       0.0);
     ( 397686.8, 3870050.8,     772.4,     772.4,       0.0);         (
397677.3, 3870073.6,     772.8,     772.8,       0.0);
     ( 397667.8, 3870096.4,     772.9,     772.9,       0.0);         (
397658.4, 3870119.2,     773.1,     773.1,       0.0);
     ( 397649.0, 3870142.0,     773.4,     773.4,       0.0);         (
397639.5, 3870164.8,     773.6,     773.6,       0.0);
     ( 397630.1, 3870187.6,     773.6,     773.6,       0.0);         (
397620.6, 3870210.4,     773.8,     773.8,       0.0);
     ( 397611.2, 3870233.2,     774.0,     774.0,       0.0);         (
397601.7, 3870256.1,     774.2,     774.2,       0.0);
     ( 397592.3, 3870278.9,     774.2,     774.2,       0.0);         (
397582.8, 3870301.7,     774.4,     774.4,       0.0);
     ( 397573.4, 3870324.5,     774.6,     774.6,       0.0);         (
397563.9, 3870347.3,     774.8,     774.8,       0.0);
     ( 397554.5, 3870370.1,     774.8,     774.8,       0.0);         (
397545.0, 3870392.9,     775.0,     775.0,       0.0);
     ( 397535.6, 3870415.7,     775.2,     775.2,       0.0);         (
397526.1, 3870438.5,     775.4,     775.4,       0.0);
     ( 397516.7, 3870461.4,     775.6,     775.6,       0.0);         (
397507.2, 3870484.2,     775.7,     775.7,       0.0);
     ( 397497.8, 3870507.0,     775.8,     775.8,       0.0);         (
397488.3, 3870529.8,     776.0,     776.0,       0.0);
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( 397478.9, 3870552.6, 776.0, 776.0, 0.0); (
397469.4, 3870575.4, 776.2, 776.2, 0.0);
( 397460.0, 3870598.2, 776.3, 776.3, 0.0); (
397450.5, 3870621.0, 776.4, 776.4, 0.0);
( 397441.1, 3870643.9, 776.6, 776.6, 0.0); (
397408.8, 3870676.1, 776.6, 776.6, 0.0);
( 397386.0, 3870685.6, 776.8, 776.8, 0.0); (
397363.2, 3870695.0, 776.9, 776.9, 0.0);
( 397340.4, 3870704.5, 777.1, 777.1, 0.0); (
397317.6, 3870713.9, 777.2, 777.2, 0.0);
( 397294.8, 3870723.4, 777.2, 777.2, 0.0); (
397272.0, 3870732.8, 777.2, 777.2, 0.0);
( 397249.2, 3870742.2, 777.4, 777.4, 0.0); (
397226.3, 3870751.7, 777.5, 777.5, 0.0);
( 397203.5, 3870761.1, 778.0, 778.0, 0.0); (
397180.7, 3870770.6, 778.0, 778.0, 0.0);
( 397157.9, 3870780.0, 778.0, 778.0, 0.0); (
397135.1, 3870789.5, 778.0, 778.0, 0.0);
( 397112.3, 3870798.9, 778.0, 778.0, 0.0); (
397089.5, 3870808.4, 778.0, 778.0, 0.0);
( 397066.7, 3870817.8, 778.0, 778.0, 0.0); (
397043.8, 3870827.3, 778.0, 778.0, 0.0);
( 397021.0, 3870836.7, 778.1, 778.1, 0.0); (
396998.2, 3870846.2, 778.7, 778.7, 0.0);
( 396975.4, 3870855.6, 779.0, 779.0, 0.0); (
396952.6, 3870865.1, 779.0, 779.0, 0.0);
( 396929.8, 3870874.5, 779.0, 779.0, 0.0); (
396907.0, 3870884.0, 779.0, 779.0, 0.0);
( 396884.2, 3870893.4, 779.0, 779.0, 0.0); (
396861.4, 3870902.9, 779.0, 779.0, 0.0);
( 396838.5, 3870912.3, 779.0, 779.0, 0.0); (
396815.7, 3870921.8, 779.0, 779.0, 0.0);
( 396792.9, 3870931.2, 779.0, 779.0, 0.0); (
396770.1, 3870940.7, 779.5, 779.5, 0.0);
( 396747.3, 3870950.1, 780.0, 780.0, 0.0); (
397724.5, 3869959.5, 771.5, 771.5, 0.0);
( 397724.5, 3869934.6, 771.2, 771.2, 0.0); (
397724.5, 3869909.7, 771.1, 771.1, 0.0);
( 397724.5, 3869884.8, 771.1, 771.1, 0.0); (
397724.5, 3869859.9, 771.1, 771.1, 0.0);
( 397724.5, 3869835.1, 771.1, 771.1, 0.0); (
397724.5, 3869810.2, 770.9, 770.9, 0.0);
( 397724.5, 3869785.3, 770.8, 770.8, 0.0); (
397724.5, 3869760.4, 770.8, 770.8, 0.0);
( 397724.5, 3869735.5, 770.8, 770.8, 0.0); (
397724.5, 3869710.6, 770.8, 770.8, 0.0);
( 397724.5, 3869685.7, 770.5, 770.5, 0.0); (
397724.5, 3869660.8, 770.5, 770.5, 0.0);
( 397724.5, 3869635.9, 770.5, 770.5, 0.0); (
397724.5, 3869611.0, 770.4, 770.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 397724.5, 3869586.1,     770.2,     770.2,       0.0);         (
397724.5, 3869561.2,     770.2,     770.2,       0.0);
     ( 397724.5, 3869536.4,     769.9,     769.9,       0.0);         (
397724.5, 3869511.5,     769.9,     769.9,       0.0);
     ( 397724.5, 3869486.6,     769.9,     769.9,       0.0);         (
397724.5, 3869461.7,     769.8,     769.8,       0.0);
     ( 397724.5, 3869436.8,     769.6,     769.6,       0.0);         (
397724.5, 3869411.9,     769.6,     769.6,       0.0);
     ( 397724.5, 3869387.0,     769.3,     769.3,       0.0);         (
397724.5, 3869362.1,     769.3,     769.3,       0.0);
     ( 397724.5, 3869337.2,     769.1,     769.1,       0.0);         (
397724.5, 3869312.3,     769.0,     769.0,       0.0);
     ( 397724.5, 3869287.4,     768.9,     768.9,       0.0);         (
397724.5, 3869262.6,     768.7,     768.7,       0.0);
     ( 397724.5, 3869237.7,     768.7,     768.7,       0.0);         (
397724.5, 3869212.8,     768.5,     768.5,       0.0);
     ( 397724.5, 3869187.9,     768.2,     768.2,       0.0);         (
397724.5, 3869163.0,     768.1,     768.1,       0.0);
     ( 397724.5, 3869138.1,     768.1,     768.1,       0.0);         (
397724.5, 3869113.2,     768.1,     768.1,       0.0);
     ( 397724.5, 3869088.3,     768.1,     768.1,       0.0);         (
397724.5, 3869063.4,     767.9,     767.9,       0.0);
     ( 398115.2, 3869982.0,     771.4,     771.4,       0.0);         (
398105.9, 3870004.5,     771.5,     771.5,       0.0);
     ( 398096.6, 3870027.0,     771.6,     771.6,       0.0);         (
398087.3, 3870049.5,     771.8,     771.8,       0.0);
     ( 398077.9, 3870072.0,     772.0,     772.0,       0.0);         (
398068.6, 3870094.5,     772.1,     772.1,       0.0);
     ( 398059.3, 3870117.0,     772.3,     772.3,       0.0);         (
398050.0, 3870139.5,     772.4,     772.4,       0.0);
     ( 398040.7, 3870162.0,     772.6,     772.6,       0.0);         (
398031.3, 3870184.5,     772.8,     772.8,       0.0);
     ( 398022.0, 3870207.0,     773.0,     773.0,       0.0);         (
398012.7, 3870229.5,     773.1,     773.1,       0.0);
     ( 398003.4, 3870252.0,     773.3,     773.3,       0.0);         (
397994.1, 3870274.5,     773.5,     773.5,       0.0);
     ( 397984.8, 3870297.0,     773.8,     773.8,       0.0);         (
397975.4, 3870319.5,     774.0,     774.0,       0.0);
     ( 397966.1, 3870342.0,     774.1,     774.1,       0.0);         (
397956.8, 3870364.5,     774.2,     774.2,       0.0);
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( 397947.5, 3870387.0, 774.3, 774.3, 0.0); (
397938.1, 3870409.5, 774.4, 774.4, 0.0);
( 397928.8, 3870432.0, 774.5, 774.5, 0.0); (
397919.5, 3870454.5, 774.6, 774.6, 0.0);
( 397910.2, 3870477.0, 774.7, 774.7, 0.0); (
397900.9, 3870499.5, 774.8, 774.8, 0.0);
( 397891.6, 3870522.0, 774.9, 774.9, 0.0); (
397882.2, 3870544.5, 775.1, 775.1, 0.0);
( 397872.9, 3870567.0, 775.2, 775.2, 0.0); (
397863.6, 3870589.5, 775.4, 775.4, 0.0);
( 397854.3, 3870612.0, 775.4, 775.4, 0.0); (
397845.0, 3870634.5, 775.4, 775.4, 0.0);
( 397835.6, 3870657.0, 775.4, 775.4, 0.0); (
397826.3, 3870679.5, 775.5, 775.5, 0.0);
( 397817.0, 3870702.0, 775.6, 775.6, 0.0); (
397807.7, 3870724.5, 775.7, 775.7, 0.0);
( 397798.4, 3870747.0, 775.9, 775.9, 0.0); (
397789.0, 3870769.5, 776.0, 776.0, 0.0);
( 397779.7, 3870792.0, 776.0, 776.0, 0.0); (
397770.4, 3870814.5, 776.2, 776.2, 0.0);
( 397761.1, 3870837.0, 776.4, 776.4, 0.0); (
397751.8, 3870859.5, 776.6, 776.6, 0.0);
( 397742.5, 3870882.0, 776.6, 776.6, 0.0); (
397733.1, 3870904.5, 776.6, 776.6, 0.0);
( 397723.8, 3870927.0, 776.7, 776.7, 0.0); (
397692.0, 3870958.8, 776.9, 776.9, 0.0);
( 397669.5, 3870968.1, 776.9, 776.9, 0.0); (
397647.0, 3870977.5, 776.9, 776.9, 0.0);
( 397624.5, 3870986.8, 777.0, 777.0, 0.0); (
397602.0, 3870996.1, 777.2, 777.2, 0.0);
( 397579.5, 3871005.4, 777.2, 777.2, 0.0); (
397557.0, 3871014.7, 777.2, 777.2, 0.0);
( 397534.5, 3871024.1, 777.3, 777.3, 0.0); (
397512.0, 3871033.4, 777.5, 777.5, 0.0);
( 397489.5, 3871042.7, 777.8, 777.8, 0.0); (
397467.0, 3871052.0, 778.1, 778.1, 0.0);
( 397444.5, 3871061.3, 778.2, 778.2, 0.0); (
397422.0, 3871070.7, 778.4, 778.4, 0.0);
( 397399.5, 3871080.0, 778.5, 778.5, 0.0); (
397377.0, 3871089.3, 778.6, 778.6, 0.0);
( 397354.5, 3871098.6, 778.8, 778.8, 0.0); (
397332.0, 3871107.9, 778.8, 778.8, 0.0);
( 397309.5, 3871117.3, 778.9, 778.9, 0.0); (
397287.0, 3871126.6, 779.1, 779.1, 0.0);
( 397264.5, 3871135.9, 779.1, 779.1, 0.0); (
397242.0, 3871145.2, 779.1, 779.1, 0.0);
( 397219.5, 3871154.5, 779.0, 779.0, 0.0); (
397197.0, 3871163.8, 779.0, 779.0, 0.0);
( 397174.5, 3871173.2, 779.0, 779.0, 0.0); (
397152.0, 3871182.5, 779.0, 779.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 397129.5, 3871191.8,     779.0,     779.0,       0.0);         (
397107.0, 3871201.1,     779.2,     779.2,       0.0);
     ( 397084.5, 3871210.4,     779.9,     779.9,       0.0);         (
397062.0, 3871219.8,     780.0,     780.0,       0.0);
     ( 397039.5, 3871229.1,     780.0,     780.0,       0.0);         (
397017.0, 3871238.4,     780.0,     780.0,       0.0);
     ( 396994.5, 3871247.7,     780.0,     780.0,       0.0);         (
396972.0, 3871257.0,     780.0,     780.0,       0.0);
     ( 396949.5, 3871266.4,     780.7,     780.7,       0.0);         (
396927.0, 3871275.7,     781.0,     781.0,       0.0);
     ( 396904.5, 3871285.0,     781.0,     781.0,       0.0);         (
396882.0, 3871294.3,     781.0,     781.0,       0.0);
     ( 396859.5, 3871303.6,     781.0,     781.0,       0.0);         (
396837.0, 3871313.0,     781.0,     781.0,       0.0);
     ( 396814.5, 3871322.3,     781.0,     781.0,       0.0);         (
396792.0, 3871331.6,     781.0,     781.0,       0.0);
     ( 396769.5, 3871340.9,     781.0,     781.0,       0.0);         (
396747.0, 3871350.2,     781.0,     781.0,       0.0);
     ( 398124.5, 3869959.5,     771.3,     771.3,       0.0);         (
398124.5, 3869934.6,     771.3,     771.3,       0.0);
     ( 398124.5, 3869909.7,     771.2,     771.2,       0.0);         (
398124.5, 3869884.8,     771.1,     771.1,       0.0);
     ( 398124.5, 3869859.9,     771.1,     771.1,       0.0);         (
398124.5, 3869835.0,     770.8,     770.8,       0.0);
     ( 398124.5, 3869810.1,     770.8,     770.8,       0.0);         (
398124.5, 3869785.3,     770.9,     770.9,       0.0);
     ( 398124.5, 3869760.4,     771.1,     771.1,       0.0);         (
398124.5, 3869735.5,     771.1,     771.1,       0.0);
     ( 398124.5, 3869710.6,     771.1,     771.1,       0.0);         (
398124.5, 3869685.7,     770.8,     770.8,       0.0);
     ( 398124.5, 3869660.8,     770.7,     770.7,       0.0);         (
398124.5, 3869635.9,     770.3,     770.3,       0.0);
     ( 398124.5, 3869611.0,     769.9,     769.9,       0.0);         (
398124.5, 3869586.1,     769.7,     769.7,       0.0);
     ( 398124.5, 3869561.2,     769.4,     769.4,       0.0);         (
398124.5, 3869536.3,     769.2,     769.2,       0.0);
     ( 398124.5, 3869511.4,     768.9,     768.9,       0.0);         (
398124.5, 3869486.6,     768.9,     768.9,       0.0);
     ( 398124.5, 3869461.7,     768.8,     768.8,       0.0);         (
398124.5, 3869436.8,     768.7,     768.7,       0.0);
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( 398124.5, 3869411.9, 768.7, 768.7, 0.0); (
398124.5, 3869387.0, 768.4, 768.4, 0.0);
( 398124.5, 3869362.1, 768.4, 768.4, 0.0); (
398124.5, 3869337.2, 768.2, 768.2, 0.0);
( 398124.5, 3869312.3, 768.1, 768.1, 0.0); (
398124.5, 3869287.4, 768.1, 768.1, 0.0);
( 398124.5, 3869262.5, 768.1, 768.1, 0.0); (
398124.5, 3869237.6, 767.9, 767.9, 0.0);
( 398124.5, 3869212.8, 768.1, 768.1, 0.0); (
398124.5, 3869187.9, 768.1, 768.1, 0.0);
( 398124.5, 3869163.0, 768.1, 768.1, 0.0); (
398124.5, 3869138.1, 768.0, 768.0, 0.0);
( 398124.5, 3869113.2, 767.8, 767.8, 0.0); (
398124.5, 3869088.3, 767.9, 767.9, 0.0);
( 398124.5, 3869063.4, 768.1, 768.1, 0.0); (
398515.1, 3869982.2, 769.8, 769.8, 0.0);
( 398505.7, 3870004.9, 769.9, 769.9, 0.0); (
398496.3, 3870027.7, 769.9, 769.9, 0.0);
( 398486.9, 3870050.4, 770.1, 770.1, 0.0); (
398477.5, 3870073.1, 770.4, 770.4, 0.0);
( 398468.0, 3870095.9, 770.5, 770.5, 0.0); (
398458.6, 3870118.6, 770.7, 770.7, 0.0);
( 398449.2, 3870141.3, 770.9, 770.9, 0.0); (
398439.8, 3870164.0, 771.1, 771.1, 0.0);
( 398430.4, 3870186.8, 771.2, 771.2, 0.0); (
398421.0, 3870209.5, 771.4, 771.4, 0.0);
( 398411.6, 3870232.2, 771.4, 771.4, 0.0); (
398402.1, 3870255.0, 771.5, 771.5, 0.0);
( 398392.7, 3870277.7, 771.7, 771.7, 0.0); (
398383.3, 3870300.4, 771.8, 771.8, 0.0);
( 398373.9, 3870323.2, 771.8, 771.8, 0.0); (
398364.5, 3870345.9, 771.9, 771.9, 0.0);
( 398355.1, 3870368.6, 772.0, 772.0, 0.0); (
398345.7, 3870391.3, 772.2, 772.2, 0.0);
( 398336.2, 3870414.1, 772.4, 772.4, 0.0); (
398326.8, 3870436.8, 772.4, 772.4, 0.0);
( 398317.4, 3870459.5, 772.6, 772.6, 0.0); (
398308.0, 3870482.3, 772.8, 772.8, 0.0);
( 398298.6, 3870505.0, 772.9, 772.9, 0.0); (
398289.2, 3870527.7, 773.0, 773.0, 0.0);
( 398279.8, 3870550.5, 773.1, 773.1, 0.0); (
398270.3, 3870573.2, 773.2, 773.2, 0.0);
( 398260.9, 3870595.9, 773.4, 773.4, 0.0); (
398251.5, 3870618.6, 773.6, 773.6, 0.0);
( 398242.1, 3870641.4, 773.7, 773.7, 0.0); (
398232.7, 3870664.1, 773.9, 773.9, 0.0);
( 398223.3, 3870686.8, 773.9, 773.9, 0.0); (
398213.9, 3870709.6, 774.1, 774.1, 0.0);
( 398204.5, 3870732.3, 774.2, 774.2, 0.0); (
398195.0, 3870755.0, 774.2, 774.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 398185.6, 3870777.8, 774.2, 774.2, 0.0); ( 398176.2, 3870800.5, 774.5, 774.5, 0.0);
( 398166.8, 3870823.2, 774.8, 774.8, 0.0); ( 398157.4, 3870845.9, 774.8, 774.8, 0.0);
( 398148.0, 3870868.7, 774.9, 774.9, 0.0); ( 398138.5, 3870891.4, 775.1, 775.1, 0.0);
( 398129.1, 3870914.1, 775.2, 775.2, 0.0); ( 398119.7, 3870936.9, 775.4, 775.4, 0.0);
( 398110.3, 3870959.6, 775.4, 775.4, 0.0); ( 398100.9, 3870982.3, 775.5, 775.5, 0.0);
( 398091.5, 3871005.0, 775.7, 775.7, 0.0); ( 398082.1, 3871027.8, 775.9, 775.9, 0.0);
( 398072.6, 3871050.5, 776.2, 776.2, 0.0); ( 398063.2, 3871073.2, 776.4, 776.4, 0.0);
( 398053.8, 3871096.0, 776.6, 776.6, 0.0); ( 398044.4, 3871118.7, 776.9, 776.9, 0.0);
( 398035.0, 3871141.4, 777.1, 777.1, 0.0); ( 398025.6, 3871164.2, 777.2, 777.2, 0.0);
( 398016.2, 3871186.9, 777.2, 777.2, 0.0); ( 398006.8, 3871209.6, 777.2, 777.2, 0.0);
( 397974.6, 3871241.8, 777.2, 777.2, 0.0); ( 397951.9, 3871251.2, 777.2, 777.2, 0.0);
( 397929.1, 3871260.6, 777.2, 777.2, 0.0); ( 397906.4, 3871270.0, 777.2, 777.2, 0.0);
( 397883.7, 3871279.4, 777.2, 777.2, 0.0); ( 397861.0, 3871288.8, 777.3, 777.3, 0.0);
( 397838.2, 3871298.2, 777.5, 777.5, 0.0); ( 397815.5, 3871307.7, 777.8, 777.8, 0.0);
( 397792.8, 3871317.1, 777.9, 777.9, 0.0); ( 397770.0, 3871326.5, 778.1, 778.1, 0.0);
( 397747.3, 3871335.9, 778.2, 778.2, 0.0); ( 397724.6, 3871345.3, 778.4, 778.4, 0.0);
( 397701.8, 3871354.7, 778.6, 778.6, 0.0); ( 397679.1, 3871364.1, 778.8, 778.8, 0.0);
( 397656.4, 3871373.6, 778.9, 778.9, 0.0); ( 397633.6, 3871383.0, 779.0, 779.0, 0.0);
( 397610.9, 3871392.4, 779.2, 779.2, 0.0); ( 397588.2, 3871401.8, 779.5, 779.5, 0.0);
( 397565.5, 3871411.2, 779.9, 779.9, 0.0); ( 397542.7, 3871420.6, 780.0, 780.0, 0.0);

( 397520.0, 3871430.1, 780.2, 780.2, 0.0); (
397497.3, 3871439.5, 780.3, 780.3, 0.0);
( 397474.5, 3871448.9, 780.3, 780.3, 0.0); (
397451.8, 3871458.3, 780.3, 780.3, 0.0);
( 397429.1, 3871467.7, 780.3, 780.3, 0.0); (
397406.4, 3871477.1, 780.3, 780.3, 0.0);
( 397383.6, 3871486.5, 780.3, 780.3, 0.0); (
397360.9, 3871496.0, 780.3, 780.3, 0.0);
( 397338.2, 3871505.4, 780.3, 780.3, 0.0); (
397315.4, 3871514.8, 780.3, 780.3, 0.0);
( 397292.7, 3871524.2, 780.3, 780.3, 0.0); (
397270.0, 3871533.6, 780.3, 780.3, 0.0);
( 397247.2, 3871543.0, 780.5, 780.5, 0.0); (
397224.5, 3871552.4, 780.2, 780.2, 0.0);
( 397201.8, 3871561.9, 780.7, 780.7, 0.0); (
397179.1, 3871571.3, 781.0, 781.0, 0.0);
( 397156.3, 3871580.7, 781.0, 781.0, 0.0); (
397133.6, 3871590.1, 781.0, 781.0, 0.0);
( 397110.9, 3871599.5, 781.0, 781.0, 0.0); (
397088.1, 3871608.9, 781.0, 781.0, 0.0);
( 397065.4, 3871618.3, 781.0, 781.0, 0.0); (
397042.7, 3871627.8, 781.0, 781.0, 0.0);
( 397020.0, 3871637.2, 781.4, 781.4, 0.0); (
396997.2, 3871646.6, 782.0, 782.0, 0.0);
( 396974.5, 3871656.0, 782.0, 782.0, 0.0); (
396951.8, 3871665.4, 782.0, 782.0, 0.0);
( 396929.0, 3871674.8, 782.0, 782.0, 0.0); (
396906.3, 3871684.2, 782.0, 782.0, 0.0);
( 396883.6, 3871693.7, 782.0, 782.0, 0.0); (
396860.8, 3871703.1, 782.0, 782.0, 0.0);
( 396838.1, 3871712.5, 782.0, 782.0, 0.0); (
396815.4, 3871721.9, 782.1, 782.1, 0.0);
( 396792.6, 3871731.3, 782.9, 782.9, 0.0); (
396769.9, 3871740.7, 783.0, 783.0, 0.0);
( 396747.2, 3871750.1, 783.0, 783.0, 0.0); (
398524.5, 3869959.5, 769.6, 769.6, 0.0);
( 398524.5, 3869934.6, 769.4, 769.4, 0.0); (
398524.5, 3869909.7, 769.2, 769.2, 0.0);
( 398524.5, 3869884.8, 769.0, 769.0, 0.0); (
398524.5, 3869859.9, 769.0, 769.0, 0.0);
( 398524.5, 3869835.0, 768.8, 768.8, 0.0); (
398524.5, 3869810.1, 768.8, 768.8, 0.0);
( 398524.5, 3869785.2, 768.7, 768.7, 0.0); (
398524.5, 3869760.3, 768.7, 768.7, 0.0);
( 398524.5, 3869735.5, 768.7, 768.7, 0.0); (
398524.5, 3869710.6, 768.7, 768.7, 0.0);
( 398524.5, 3869685.7, 768.4, 768.4, 0.0); (
398524.5, 3869660.8, 768.4, 768.4, 0.0);
( 398524.5, 3869635.9, 768.4, 768.4, 0.0); (
398524.5, 3869611.0, 768.4, 768.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 398524.5, 3869586.1,     768.3,     768.3,       0.0);         (
398524.5, 3869561.2,     768.1,     768.1,       0.0);
     ( 398524.5, 3869536.3,     768.0,     768.0,       0.0);         (
398524.5, 3869511.4,     767.8,     767.8,       0.0);
     ( 398524.5, 3869486.5,     767.6,     767.6,       0.0);         (
398524.5, 3869461.6,     767.5,     767.5,       0.0);
     ( 398524.5, 3869436.8,     767.4,     767.4,       0.0);         (
398524.5, 3869411.9,     767.2,     767.2,       0.0);
     ( 398524.5, 3869387.0,     767.2,     767.2,       0.0);         (
398524.5, 3869362.1,     767.0,     767.0,       0.0);
     ( 398524.5, 3869337.2,     766.9,     766.9,       0.0);         (
398524.5, 3869312.3,     766.8,     766.8,       0.0);
     ( 398524.5, 3869287.4,     766.6,     766.6,       0.0);         (
398524.5, 3869262.5,     766.5,     766.5,       0.0);
     ( 398524.5, 3869237.6,     766.3,     766.3,       0.0);         (
398524.5, 3869212.7,     766.3,     766.3,       0.0);
     ( 398524.5, 3869187.8,     766.3,     766.3,       0.0);         (
398524.5, 3869163.0,     766.2,     766.2,       0.0);
     ( 398524.5, 3869138.1,     766.0,     766.0,       0.0);         (
398524.5, 3869113.2,     765.9,     765.9,       0.0);
     ( 398524.5, 3869088.3,     765.7,     765.7,       0.0);         (
398524.5, 3869063.4,     765.7,     765.7,       0.0);
     ( 398915.1, 3869982.3,     767.8,     767.8,       0.0);         (
398905.6, 3870005.2,     767.8,     767.8,       0.0);
     ( 398896.1, 3870028.1,     767.8,     767.8,       0.0);         (
398886.6, 3870051.0,     767.8,     767.8,       0.0);
     ( 398877.2, 3870073.8,     767.9,     767.9,       0.0);         (
398867.7, 3870096.7,     768.1,     768.1,       0.0);
     ( 398858.2, 3870119.6,     768.1,     768.1,       0.0);         (
398848.7, 3870142.5,     768.2,     768.2,       0.0);
     ( 398839.3, 3870165.4,     768.4,     768.4,       0.0);         (
398829.8, 3870188.2,     768.6,     768.6,       0.0);
     ( 398820.3, 3870211.1,     768.7,     768.7,       0.0);         (
398810.8, 3870234.0,     768.8,     768.8,       0.0);
     ( 398801.3, 3870256.9,     769.0,     769.0,       0.0);         (
398791.9, 3870279.8,     769.1,     769.1,       0.0);
     ( 398782.4, 3870302.6,     769.2,     769.2,       0.0);         (
398772.9, 3870325.5,     769.3,     769.3,       0.0);
     ( 398763.5, 3870348.4,     769.4,     769.4,       0.0);         (
398754.0, 3870371.3,     769.5,     769.5,       0.0);
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( 398744.5, 3870394.1, 769.8, 769.8, 0.0); (
398735.0, 3870417.0, 769.9, 769.9, 0.0);
( 398725.5, 3870439.9, 769.9, 769.9, 0.0); (
398716.1, 3870462.8, 770.1, 770.1, 0.0);
( 398706.6, 3870485.7, 770.2, 770.2, 0.0); (
398697.1, 3870508.5, 770.4, 770.4, 0.0);
( 398687.6, 3870531.4, 770.4, 770.4, 0.0); (
398678.2, 3870554.3, 770.5, 770.5, 0.0);
( 398668.7, 3870577.2, 770.6, 770.6, 0.0); (
398659.2, 3870600.1, 770.8, 770.8, 0.0);
( 398649.7, 3870622.9, 770.9, 770.9, 0.0); (
398640.3, 3870645.8, 771.1, 771.1, 0.0);
( 398630.8, 3870668.7, 771.3, 771.3, 0.0); (
398621.3, 3870691.6, 771.4, 771.4, 0.0);
( 398611.8, 3870714.4, 771.5, 771.5, 0.0); (
398602.4, 3870737.3, 771.6, 771.6, 0.0);
( 398592.9, 3870760.2, 771.7, 771.7, 0.0); (
398583.4, 3870783.1, 772.0, 772.0, 0.0);
( 398573.9, 3870806.0, 772.3, 772.3, 0.0); (
398564.5, 3870828.8, 772.6, 772.6, 0.0);
( 398555.0, 3870851.7, 773.0, 773.0, 0.0); (
398545.5, 3870874.6, 773.1, 773.1, 0.0);
( 398536.0, 3870897.5, 773.3, 773.3, 0.0); (
398526.5, 3870920.4, 773.7, 773.7, 0.0);
( 398517.1, 3870943.2, 773.9, 773.9, 0.0); (
398507.6, 3870966.1, 774.1, 774.1, 0.0);
( 398498.1, 3870989.0, 774.2, 774.2, 0.0); (
398488.6, 3871011.9, 774.1, 774.1, 0.0);
( 398479.2, 3871034.8, 774.1, 774.1, 0.0); (
398469.7, 3871057.6, 774.2, 774.2, 0.0);
( 398460.2, 3871080.5, 774.2, 774.2, 0.0); (
398450.7, 3871103.4, 774.2, 774.2, 0.0);
( 398441.3, 3871126.3, 774.5, 774.5, 0.0); (
398431.8, 3871149.1, 774.6, 774.6, 0.0);
( 398422.3, 3871172.0, 774.7, 774.7, 0.0); (
398412.8, 3871194.9, 774.8, 774.8, 0.0);
( 398403.4, 3871217.8, 774.9, 774.9, 0.0); (
398393.9, 3871240.6, 775.1, 775.1, 0.0);
( 398384.4, 3871263.5, 775.3, 775.3, 0.0); (
398374.9, 3871286.4, 775.4, 775.4, 0.0);
( 398365.5, 3871309.3, 775.6, 775.6, 0.0); (
398356.0, 3871332.2, 775.9, 775.9, 0.0);
( 398346.5, 3871355.0, 776.0, 776.0, 0.0); (
398337.0, 3871377.9, 776.1, 776.1, 0.0);
( 398327.5, 3871400.8, 776.3, 776.3, 0.0); (
398318.1, 3871423.7, 776.3, 776.3, 0.0);
( 398308.6, 3871446.6, 776.6, 776.6, 0.0); (
398299.1, 3871469.4, 776.6, 776.6, 0.0);
( 398289.6, 3871492.3, 776.7, 776.7, 0.0); (
398257.3, 3871524.7, 777.2, 777.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 398234.4, 3871534.1,     777.2,     777.2,       0.0);         (
398211.5, 3871543.6,     777.4,     777.4,       0.0);
     ( 398188.7, 3871553.1,     777.5,     777.5,       0.0);         (
398165.8, 3871562.6,     777.6,     777.6,       0.0);
     ( 398142.9, 3871572.0,     777.8,     777.8,       0.0);         (
398120.0, 3871581.5,     777.9,     777.9,       0.0);
     ( 398097.1, 3871591.0,     778.1,     778.1,       0.0);         (
398074.3, 3871600.5,     778.2,     778.2,       0.0);
     ( 398051.4, 3871609.9,     778.4,     778.4,       0.0);         (
398028.5, 3871619.4,     778.5,     778.5,       0.0);
     ( 398005.6, 3871628.9,     778.6,     778.6,       0.0);         (
397982.8, 3871638.4,     778.8,     778.8,       0.0);
     ( 397959.9, 3871647.9,     778.9,     778.9,       0.0);         (
397937.0, 3871657.3,     779.0,     779.0,       0.0);
     ( 397914.1, 3871666.8,     779.1,     779.1,       0.0);         (
397891.2, 3871676.3,     779.2,     779.2,       0.0);
     ( 397868.4, 3871685.8,     779.3,     779.3,       0.0);         (
397845.5, 3871695.2,     779.4,     779.4,       0.0);
     ( 397822.6, 3871704.7,     779.5,     779.5,       0.0);         (
397799.7, 3871714.2,     779.6,     779.6,       0.0);
     ( 397776.8, 3871723.7,     779.7,     779.7,       0.0);         (
397754.0, 3871733.1,     779.8,     779.8,       0.0);
     ( 397731.1, 3871742.6,     779.8,     779.8,       0.0);         (
397708.2, 3871752.1,     780.0,     780.0,       0.0);
     ( 397685.3, 3871761.6,     780.0,     780.0,       0.0);         (
397662.5, 3871771.0,     780.1,     780.1,       0.0);
     ( 397639.6, 3871780.5,     780.3,     780.3,       0.0);         (
397616.7, 3871790.0,     780.3,     780.3,       0.0);
     ( 397593.8, 3871799.5,     780.4,     780.4,       0.0);         (
397570.9, 3871808.9,     780.5,     780.5,       0.0);
     ( 397548.1, 3871818.4,     780.6,     780.6,       0.0);         (
397525.2, 3871827.9,     780.8,     780.8,       0.0);
     ( 397502.3, 3871837.4,     780.9,     780.9,       0.0);         (
397479.4, 3871846.8,     781.2,     781.2,       0.0);
     ( 397456.5, 3871856.3,     781.5,     781.5,       0.0);         (
397433.7, 3871865.8,     781.6,     781.6,       0.0);
     ( 397410.8, 3871875.3,     781.8,     781.8,       0.0);         (
397387.9, 3871884.8,     781.9,     781.9,       0.0);
     ( 397365.0, 3871894.2,     782.0,     782.0,       0.0);         (
397342.2, 3871903.7,     782.1,     782.1,       0.0);
```

( 397319.3, 3871913.2, 782.2, 782.2, 0.0); (
397296.4, 3871922.7, 782.3, 782.3, 0.0);
( 397273.5, 3871932.1, 782.4, 782.4, 0.0); (
397250.6, 3871941.6, 782.4, 782.4, 0.0);
( 397227.8, 3871951.1, 782.0, 782.0, 0.0); (
397204.9, 3871960.6, 782.0, 782.0, 0.0);
( 397182.0, 3871970.0, 782.0, 782.0, 0.0); (
397159.1, 3871979.5, 782.0, 782.0, 0.0);
( 397136.2, 3871989.0, 782.0, 782.0, 0.0); (
397113.4, 3871998.5, 782.0, 782.0, 0.0);
( 397090.5, 3872007.9, 782.0, 782.0, 0.0); (
397067.6, 3872017.4, 782.0, 782.0, 0.0);
( 397044.7, 3872026.9, 782.0, 782.0, 0.0); (
397021.9, 3872036.4, 782.0, 782.0, 0.0);
( 396999.0, 3872045.8, 782.0, 782.0, 0.0); (
396976.1, 3872055.3, 782.0, 782.0, 0.0);
( 396953.2, 3872064.8, 782.0, 782.0, 0.0); (
396930.3, 3872074.3, 782.0, 782.0, 0.0);
( 396907.5, 3872083.8, 782.1, 782.1, 0.0); (
396884.6, 3872093.2, 782.9, 782.9, 0.0);
( 396861.7, 3872102.7, 783.0, 783.0, 0.0); (
396838.8, 3872112.2, 783.0, 783.0, 0.0);
( 396816.0, 3872121.7, 783.0, 783.0, 0.0); (
396793.1, 3872131.1, 783.0, 783.0, 0.0);
( 396770.2, 3872140.6, 783.5, 783.5, 0.0); (
396747.3, 3872150.1, 784.0, 784.0, 0.0);
( 398924.5, 3869959.5, 767.7, 767.7, 0.0); (
398924.5, 3869934.6, 767.6, 767.6, 0.0);
( 398924.5, 3869909.7, 767.5, 767.5, 0.0); (
398924.5, 3869884.8, 767.5, 767.5, 0.0);
( 398924.5, 3869859.9, 767.5, 767.5, 0.0); (
398924.5, 3869835.0, 767.4, 767.4, 0.0);
( 398924.5, 3869810.1, 767.4, 767.4, 0.0); (
398924.5, 3869785.2, 767.3, 767.3, 0.0);
( 398924.5, 3869760.3, 767.2, 767.2, 0.0); (
398924.5, 3869735.4, 767.0, 767.0, 0.0);
( 398924.5, 3869710.5, 766.9, 766.9, 0.0); (
398924.5, 3869685.7, 766.9, 766.9, 0.0);
( 398924.5, 3869660.8, 766.8, 766.8, 0.0); (
398924.5, 3869635.9, 766.8, 766.8, 0.0);
( 398924.5, 3869611.0, 766.7, 766.7, 0.0); (
398924.5, 3869586.1, 766.6, 766.6, 0.0);
( 398924.5, 3869561.2, 766.5, 766.5, 0.0); (
398924.5, 3869536.3, 766.3, 766.3, 0.0);
( 398924.5, 3869511.4, 766.3, 766.3, 0.0); (
398924.5, 3869486.5, 766.1, 766.1, 0.0);
( 398924.5, 3869461.6, 766.0, 766.0, 0.0); (
398924.5, 3869436.7, 765.9, 765.9, 0.0);
( 398924.5, 3869411.8, 765.7, 765.7, 0.0); (
398924.5, 3869387.0, 765.7, 765.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 398924.5, 3869362.1,     765.6,     765.6,       0.0);         (
398924.5, 3869337.2,     765.4,     765.4,       0.0);
     ( 398924.5, 3869312.3,     765.3,     765.3,       0.0);         (
398924.5, 3869287.4,     765.3,     765.3,       0.0);
     ( 398924.5, 3869262.5,     765.3,     765.3,       0.0);         (
398924.5, 3869237.6,     765.3,     765.3,       0.0);
     ( 398924.5, 3869212.7,     765.3,     765.3,       0.0);         (
398924.5, 3869187.8,     765.1,     765.1,       0.0);
     ( 398924.5, 3869162.9,     765.0,     765.0,       0.0);         (
398924.5, 3869138.0,     765.0,     765.0,       0.0);
     ( 398924.5, 3869113.1,     765.0,     765.0,       0.0);         (
398924.5, 3869088.3,     765.0,     765.0,       0.0);
     ( 398924.5, 3869063.4,     765.0,     765.0,       0.0);         (
399315.0, 3869982.4,     766.0,     766.0,       0.0);
     ( 399305.5, 3870005.4,     766.0,     766.0,       0.0);         (
399296.0, 3870028.4,     766.1,     766.1,       0.0);
     ( 399286.5, 3870051.4,     766.2,     766.2,       0.0);         (
399276.9, 3870074.4,     766.3,     766.3,       0.0);
     ( 399267.4, 3870097.3,     766.4,     766.4,       0.0);         (
399257.9, 3870120.3,     766.5,     766.5,       0.0);
     ( 399248.4, 3870143.3,     766.6,     766.6,       0.0);         (
399238.9, 3870166.3,     766.7,     766.7,       0.0);
     ( 399229.3, 3870189.3,     766.8,     766.8,       0.0);         (
399219.8, 3870212.2,     766.9,     766.9,       0.0);
     ( 399210.3, 3870235.2,     766.9,     766.9,       0.0);         (
399200.8, 3870258.2,     766.9,     766.9,       0.0);
     ( 399191.3, 3870281.2,     767.1,     767.1,       0.0);         (
399181.8, 3870304.2,     767.2,     767.2,       0.0);
     ( 399172.2, 3870327.2,     767.2,     767.2,       0.0);         (
399162.7, 3870350.1,     767.5,     767.5,       0.0);
     ( 399153.2, 3870373.1,     767.5,     767.5,       0.0);         (
399143.7, 3870396.1,     767.5,     767.5,       0.0);
     ( 399134.2, 3870419.1,     767.6,     767.6,       0.0);         (
399124.6, 3870442.1,     767.8,     767.8,       0.0);
     ( 399115.1, 3870465.1,     767.8,     767.8,       0.0);         (
399105.6, 3870488.0,     767.8,     767.8,       0.0);
     ( 399096.1, 3870511.0,     768.0,     768.0,       0.0);         (
399086.6, 3870534.0,     768.1,     768.1,       0.0);
     ( 399077.0, 3870557.0,     768.1,     768.1,       0.0);         (
399067.5, 3870580.0,     768.1,     768.1,       0.0);
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( 399058.0, 3870602.9, 768.2, 768.2, 0.0); (
399048.5, 3870625.9, 768.3, 768.3, 0.0);
( 399039.0, 3870648.9, 768.4, 768.4, 0.0); (
399029.5, 3870671.9, 768.8, 768.8, 0.0);
( 399019.9, 3870694.9, 768.9, 768.9, 0.0); (
399010.4, 3870717.9, 769.1, 769.1, 0.0);
( 399000.9, 3870740.8, 769.4, 769.4, 0.0); (
398991.4, 3870763.8, 769.5, 769.5, 0.0);
( 398981.8, 3870786.8, 769.8, 769.8, 0.0); (
398972.3, 3870809.8, 770.1, 770.1, 0.0);
( 398962.8, 3870832.8, 770.4, 770.4, 0.0); (
398953.3, 3870855.8, 770.5, 770.5, 0.0);
( 398943.8, 3870878.7, 770.8, 770.8, 0.0); (
398934.3, 3870901.7, 770.9, 770.9, 0.0);
( 398924.7, 3870924.7, 771.1, 771.1, 0.0); (
398915.2, 3870947.7, 771.2, 771.2, 0.0);
( 398905.7, 3870970.7, 771.4, 771.4, 0.0); (
398896.2, 3870993.6, 771.6, 771.6, 0.0);
( 398886.7, 3871016.6, 772.0, 772.0, 0.0); (
398877.1, 3871039.6, 772.4, 772.4, 0.0);
( 398867.6, 3871062.6, 772.6, 772.6, 0.0); (
398858.1, 3871085.6, 773.1, 773.1, 0.0);
( 398848.6, 3871108.6, 773.5, 773.5, 0.0); (
398839.1, 3871131.5, 773.8, 773.8, 0.0);
( 398829.5, 3871154.5, 774.2, 774.2, 0.0); (
398820.0, 3871177.5, 774.2, 774.2, 0.0);
( 398810.5, 3871200.5, 774.2, 774.2, 0.0); (
398801.0, 3871223.5, 774.2, 774.2, 0.0);
( 398791.5, 3871246.5, 774.2, 774.2, 0.0); (
398782.0, 3871269.4, 774.4, 774.4, 0.0);
( 398772.4, 3871292.4, 774.5, 774.5, 0.0); (
398762.9, 3871315.4, 774.5, 774.5, 0.0);
( 398753.4, 3871338.4, 774.7, 774.7, 0.0); (
398743.9, 3871361.4, 774.8, 774.8, 0.0);
( 398734.4, 3871384.3, 775.0, 775.0, 0.0); (
398724.8, 3871407.3, 775.3, 775.3, 0.0);
( 398715.3, 3871430.3, 775.5, 775.5, 0.0); (
398705.8, 3871453.3, 775.7, 775.7, 0.0);
( 398696.3, 3871476.3, 775.9, 775.9, 0.0); (
398686.8, 3871499.3, 776.2, 776.2, 0.0);
( 398677.2, 3871522.2, 776.4, 776.4, 0.0); (
398667.7, 3871545.2, 776.6, 776.6, 0.0);
( 398658.2, 3871568.2, 776.8, 776.8, 0.0); (
398648.7, 3871591.2, 776.9, 776.9, 0.0);
( 398639.2, 3871614.2, 777.0, 777.0, 0.0); (
398629.6, 3871637.2, 777.1, 777.1, 0.0);
( 398620.1, 3871660.1, 777.2, 777.2, 0.0); (
398610.6, 3871683.1, 777.2, 777.2, 0.0);
( 398601.1, 3871706.1, 777.2, 777.2, 0.0); (
398591.6, 3871729.1, 777.2, 777.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 398582.1, 3871752.1,     777.2,     777.2,       0.0);         (
398572.5, 3871775.1,     777.2,     777.2,       0.0);
     ( 398540.0, 3871807.6,     777.2,     777.2,       0.0);         (
398517.0, 3871817.1,     777.2,     777.2,       0.0);
     ( 398494.1, 3871826.6,     777.3,     777.3,       0.0);         (
398471.1, 3871836.1,     777.4,     777.4,       0.0);
     ( 398448.1, 3871845.6,     777.5,     777.5,       0.0);         (
398425.1, 3871855.1,     777.8,     777.8,       0.0);
     ( 398402.1, 3871864.7,     778.1,     778.1,       0.0);         (
398379.2, 3871874.2,     778.2,     778.2,       0.0);
     ( 398356.2, 3871883.7,     778.5,     778.5,       0.0);         (
398333.2, 3871893.2,     778.7,     778.7,       0.0);
     ( 398310.2, 3871902.8,     778.8,     778.8,       0.0);         (
398287.2, 3871912.3,     779.2,     779.2,       0.0);
     ( 398264.2, 3871921.8,     779.5,     779.5,       0.0);         (
398241.3, 3871931.3,     779.8,     779.8,       0.0);
     ( 398218.3, 3871940.8,     780.1,     780.1,       0.0);         (
398195.3, 3871950.3,     780.3,     780.3,       0.0);
     ( 398172.3, 3871959.9,     780.2,     780.2,       0.0);         (
398149.3, 3871969.4,     780.1,     780.1,       0.0);
     ( 398126.3, 3871978.9,     780.0,     780.0,       0.0);         (
398103.4, 3871988.4,     780.0,     780.0,       0.0);
     ( 398080.4, 3871997.9,     780.0,     780.0,       0.0);         (
398057.4, 3872007.5,     780.1,     780.1,       0.0);
     ( 398034.4, 3872017.0,     780.2,     780.2,       0.0);         (
398011.4, 3872026.5,     780.4,     780.4,       0.0);
     ( 397988.5, 3872036.0,     781.1,     781.1,       0.0);         (
397965.5, 3872045.5,     781.4,     781.4,       0.0);
     ( 397942.5, 3872055.0,     781.0,     781.0,       0.0);         (
397919.5, 3872064.6,     780.8,     780.8,       0.0);
     ( 397896.5, 3872074.1,     781.0,     781.0,       0.0);         (
397873.5, 3872083.6,     780.9,     780.9,       0.0);
     ( 397850.6, 3872093.1,     781.3,     781.3,       0.0);         (
397827.6, 3872102.6,     781.6,     781.6,       0.0);
     ( 397804.6, 3872112.2,     781.8,     781.8,       0.0);         (
397781.6, 3872121.7,     781.9,     781.9,       0.0);
     ( 397758.6, 3872131.2,     782.2,     782.2,       0.0);         (
397735.6, 3872140.7,     782.3,     782.3,       0.0);
     ( 397712.7, 3872150.2,     782.2,     782.2,       0.0);         (
397689.7, 3872159.8,     782.3,     782.3,       0.0);
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( 397666.7, 3872169.3, 782.4, 782.4, 0.0); (
397643.7, 3872178.8, 782.5, 782.5, 0.0);
( 397620.7, 3872188.3, 782.6, 782.6, 0.0); (
397597.8, 3872197.8, 782.7, 782.7, 0.0);
( 397574.8, 3872207.4, 783.0, 783.0, 0.0); (
397551.8, 3872216.9, 783.1, 783.1, 0.0);
( 397528.8, 3872226.4, 783.2, 783.2, 0.0); (
397505.8, 3872235.9, 783.3, 783.3, 0.0);
( 397482.8, 3872245.4, 783.3, 783.3, 0.0); (
397459.9, 3872254.9, 783.3, 783.3, 0.0);
( 397436.9, 3872264.5, 783.3, 783.3, 0.0); (
397413.9, 3872274.0, 783.3, 783.3, 0.0);
( 397390.9, 3872283.5, 783.5, 783.5, 0.0); (
397367.9, 3872293.0, 783.4, 783.4, 0.0);
( 397345.0, 3872302.5, 783.4, 783.4, 0.0); (
397322.0, 3872312.1, 783.5, 783.5, 0.0);
( 397299.0, 3872321.6, 783.6, 783.6, 0.0); (
397276.0, 3872331.1, 783.4, 783.4, 0.0);
( 397253.0, 3872340.6, 783.5, 783.5, 0.0); (
397230.0, 3872350.1, 783.0, 783.0, 0.0);
( 397207.0, 3872359.7, 783.1, 783.1, 0.0); (
397184.1, 3872369.2, 783.5, 783.5, 0.0);
( 397161.1, 3872378.7, 783.8, 783.8, 0.0); (
397138.1, 3872388.2, 784.0, 784.0, 0.0);
( 397115.1, 3872397.7, 784.4, 784.4, 0.0); (
397092.1, 3872407.3, 784.7, 784.7, 0.0);
( 397069.2, 3872416.8, 785.0, 785.0, 0.0); (
397046.2, 3872426.3, 785.0, 785.0, 0.0);
( 397023.2, 3872435.8, 785.0, 785.0, 0.0); (
397000.2, 3872445.3, 785.0, 785.0, 0.0);
( 396977.2, 3872454.8, 785.3, 785.3, 0.0); (
396954.2, 3872464.4, 785.3, 785.3, 0.0);
( 396931.3, 3872473.9, 785.0, 785.0, 0.0); (
396908.3, 3872483.4, 785.3, 848.0, 0.0);
( 396885.3, 3872492.9, 785.1, 848.0, 0.0); (
396862.3, 3872502.4, 785.0, 848.0, 0.0);
( 396839.3, 3872512.0, 785.5, 848.0, 0.0); (
396816.3, 3872521.5, 786.0, 852.0, 0.0);
( 396793.4, 3872531.0, 786.0, 852.0, 0.0); (
396770.4, 3872540.5, 786.8, 852.0, 0.0);
( 396747.4, 3872550.0, 788.3, 852.0, 0.0); (
399324.5, 3869959.4, 766.0, 766.0, 0.0);
( 399324.5, 3869934.5, 765.9, 765.9, 0.0); (
399324.5, 3869909.7, 765.8, 765.8, 0.0);
( 399324.5, 3869884.8, 765.8, 765.8, 0.0); (
399324.5, 3869859.9, 765.8, 765.8, 0.0);
( 399324.5, 3869835.0, 765.8, 765.8, 0.0); (
399324.5, 3869810.1, 765.7, 765.7, 0.0);
( 399324.5, 3869785.2, 765.7, 765.7, 0.0); (
399324.5, 3869760.3, 765.7, 765.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 399324.5, 3869735.4, 765.7, 765.7, 0.0); ( 399324.5, 3869710.5, 765.7, 765.7, 0.0);
( 399324.5, 3869685.6, 765.7, 765.7, 0.0); ( 399324.5, 3869660.8, 765.5, 765.5, 0.0);
( 399324.5, 3869635.9, 765.4, 765.4, 0.0); ( 399324.5, 3869611.0, 765.3, 765.3, 0.0);
( 399324.5, 3869586.1, 765.3, 765.3, 0.0); ( 399324.5, 3869561.2, 765.3, 765.3, 0.0);
( 399324.5, 3869536.3, 765.2, 765.2, 0.0); ( 399324.5, 3869511.4, 765.2, 765.2, 0.0);
( 399324.5, 3869486.5, 765.1, 765.1, 0.0); ( 399324.5, 3869461.6, 765.0, 765.0, 0.0);
( 399324.5, 3869436.7, 765.0, 765.0, 0.0); ( 399324.5, 3869411.8, 765.0, 765.0, 0.0);
( 399324.5, 3869386.9, 764.9, 764.9, 0.0); ( 399324.5, 3869362.0, 764.8, 764.8, 0.0);
( 399324.5, 3869337.2, 764.7, 764.7, 0.0); ( 399324.5, 3869312.3, 764.7, 764.7, 0.0);
( 399324.5, 3869287.4, 764.7, 764.7, 0.0); ( 399324.5, 3869262.5, 764.7, 764.7, 0.0);
( 399324.5, 3869237.6, 764.6, 764.6, 0.0); ( 399324.5, 3869212.7, 764.6, 764.6, 0.0);
( 399324.5, 3869187.8, 764.6, 764.6, 0.0); ( 399324.5, 3869162.9, 764.5, 764.5, 0.0);
( 399324.5, 3869138.0, 764.4, 764.4, 0.0); ( 399324.5, 3869113.1, 764.3, 764.3, 0.0);
( 399324.5, 3869088.2, 764.0, 764.0, 0.0); ( 399324.5, 3869063.3, 763.9, 763.9, 0.0);
( 395826.5, 3869959.5, 779.0, 1275.0, 0.0); ( 395828.8, 3869063.5, 776.0, 776.0, 0.0);
( 396724.5, 3869063.5, 771.0, 771.0, 0.0); ( 396724.5, 3869959.6, 774.0, 774.0, 0.0);
( 395826.6, 3869934.6, 779.0, 1275.0, 0.0); ( 395826.7, 3869909.7, 779.0, 1275.0, 0.0);
( 395826.7, 3869884.8, 778.7, 1275.0, 0.0); ( 395826.8, 3869860.0, 778.1, 1275.0, 0.0);
( 395826.8, 3869835.1, 778.0, 1275.0, 0.0); ( 395826.9, 3869810.2, 778.0, 1275.0, 0.0);
( 395827.0, 3869785.3, 778.0, 1275.0, 0.0); ( 395827.0, 3869760.4, 778.0, 1275.0, 0.0);

( 395827.1, 3869735.5, 778.0, 1275.0, 0.0); (
395827.2, 3869710.6, 778.0, 1275.0, 0.0);
( 395827.2, 3869685.7, 778.0, 1275.0, 0.0); (
395827.3, 3869660.8, 777.2, 1275.0, 0.0);
( 395827.3, 3869635.9, 777.1, 1275.0, 0.0); (
395827.4, 3869611.1, 777.0, 1275.0, 0.0);
( 395827.5, 3869586.2, 777.0, 1275.0, 0.0); (
395827.5, 3869561.3, 777.0, 1275.0, 0.0);
( 395827.6, 3869536.4, 777.0, 1275.0, 0.0); (
395827.7, 3869511.5, 777.0, 1275.0, 0.0);
( 395827.7, 3869486.6, 777.0, 1275.0, 0.0); (
395827.8, 3869461.7, 777.0, 1275.0, 0.0);
( 395827.8, 3869436.8, 777.0, 1275.0, 0.0); (
395827.9, 3869411.9, 777.0, 1275.0, 0.0);
( 395828.0, 3869387.0, 777.0, 1275.0, 0.0); (
395828.0, 3869362.1, 777.0, 1275.0, 0.0);
( 395828.1, 3869337.3, 777.0, 1275.0, 0.0); (
395828.2, 3869312.4, 777.0, 1245.0, 0.0);
( 395828.2, 3869287.5, 777.0, 777.0, 0.0); (
395828.3, 3869262.6, 777.0, 777.0, 0.0);
( 395828.3, 3869237.7, 777.0, 777.0, 0.0); (
395828.4, 3869212.8, 777.0, 777.0, 0.0);
( 395828.5, 3869187.9, 777.0, 777.0, 0.0); (
395828.5, 3869163.0, 777.0, 777.0, 0.0);
( 395828.6, 3869138.1, 776.8, 776.8, 0.0); (
395828.7, 3869113.2, 776.0, 776.0, 0.0);
( 395828.7, 3869088.4, 776.0, 776.0, 0.0); (
395853.7, 3869063.5, 776.0, 776.0, 0.0);
( 395878.5, 3869063.5, 776.0, 776.0, 0.0); (
395903.4, 3869063.5, 776.0, 776.0, 0.0);
( 395928.3, 3869063.5, 775.7, 775.7, 0.0); (
395953.2, 3869063.5, 775.0, 775.0, 0.0);
( 395978.1, 3869063.5, 775.0, 775.0, 0.0); (
396003.0, 3869063.5, 775.0, 775.0, 0.0);
( 396027.8, 3869063.5, 775.0, 775.0, 0.0); (
396052.7, 3869063.5, 774.6, 774.6, 0.0);
( 396077.6, 3869063.5, 774.0, 774.0, 0.0); (
396102.5, 3869063.5, 774.0, 774.0, 0.0);
( 396127.4, 3869063.5, 774.0, 774.0, 0.0); (
396152.2, 3869063.5, 774.0, 774.0, 0.0);
( 396177.1, 3869063.5, 774.0, 774.0, 0.0); (
396202.0, 3869063.5, 773.6, 773.6, 0.0);
( 396226.9, 3869063.5, 773.0, 773.0, 0.0); (
396251.8, 3869063.5, 773.0, 773.0, 0.0);
( 396276.6, 3869063.5, 773.0, 773.0, 0.0); (
396301.5, 3869063.5, 773.0, 773.0, 0.0);
( 396326.4, 3869063.5, 772.6, 772.6, 0.0); (
396351.3, 3869063.5, 772.2, 772.2, 0.0);
( 396376.2, 3869063.5, 772.0, 772.0, 0.0); (
396401.0, 3869063.5, 772.0, 772.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396425.9, 3869063.5,     772.0,     772.0,       0.0);         (
396450.8, 3869063.5,     771.5,     771.5,       0.0);
     ( 396475.7, 3869063.5,     771.1,     771.1,       0.0);         (
396500.6, 3869063.5,     771.0,     771.0,       0.0);
     ( 396525.5, 3869063.5,     771.0,     771.0,       0.0);         (
396550.3, 3869063.5,     771.0,     771.0,       0.0);
     ( 396575.2, 3869063.5,     771.0,     771.0,       0.0);         (
396600.1, 3869063.5,     771.0,     771.0,       0.0);
     ( 396625.0, 3869063.5,     771.0,     771.0,       0.0);         (
396649.9, 3869063.5,     771.0,     771.0,       0.0);
     ( 396674.7, 3869063.5,     771.0,     771.0,       0.0);         (
396699.6, 3869063.5,     771.0,     771.0,       0.0);
     ( 396724.5, 3869088.4,     771.0,     771.0,       0.0);         (
396724.5, 3869113.2,     771.0,     771.0,       0.0);
     ( 396724.5, 3869138.1,     771.0,     771.0,       0.0);         (
396724.5, 3869163.0,     771.0,     771.0,       0.0);
     ( 396724.5, 3869187.9,     771.0,     771.0,       0.0);         (
396724.5, 3869212.8,     771.0,     771.0,       0.0);
     ( 396724.5, 3869237.7,     771.0,     771.0,       0.0);         (
396724.5, 3869262.6,     771.0,     771.0,       0.0);
     ( 396724.5, 3869287.5,     771.0,     771.0,       0.0);         (
396724.5, 3869312.4,     771.0,     771.0,       0.0);
     ( 396724.5, 3869337.3,     771.1,     771.1,       0.0);         (
396724.5, 3869362.2,     771.3,     771.3,       0.0);
     ( 396724.5, 3869387.1,     772.0,     772.0,       0.0);         (
396724.5, 3869411.9,     772.0,     772.0,       0.0);
     ( 396724.5, 3869436.8,     772.0,     772.0,       0.0);         (
396724.5, 3869461.7,     772.0,     772.0,       0.0);
     ( 396724.5, 3869486.6,     772.1,     772.1,       0.0);         (
396724.5, 3869511.5,     772.2,     772.2,       0.0);
     ( 396724.5, 3869536.4,     772.2,     772.2,       0.0);         (
396724.5, 3869561.3,     772.9,     772.9,       0.0);
     ( 396724.5, 3869586.2,     773.0,     773.0,       0.0);         (
396724.5, 3869611.1,     773.0,     773.0,       0.0);
     ( 396724.5, 3869636.0,     773.0,     773.0,       0.0);         (
396724.5, 3869660.9,     773.0,     773.0,       0.0);
     ( 396724.5, 3869685.8,     773.0,     773.0,       0.0);         (
396724.5, 3869710.6,     773.0,     773.0,       0.0);
     ( 396724.5, 3869735.5,     773.7,     773.7,       0.0);         (
396724.5, 3869760.4,     774.0,     774.0,       0.0);
```

( 396724.5, 3869785.3, 774.0, 774.0, 0.0); (
396724.5, 3869810.2, 774.0, 774.0, 0.0);
( 396724.5, 3869835.1, 774.0, 774.0, 0.0); (
396724.5, 3869860.0, 774.0, 774.0, 0.0);
( 396724.5, 3869884.9, 774.0, 774.0, 0.0); (
396724.5, 3869909.8, 774.0, 774.0, 0.0);
( 396724.5, 3869934.7, 774.0, 774.0, 0.0); (
396699.6, 3869959.6, 774.0, 774.0, 0.0);
( 396674.6, 3869959.6, 774.0, 774.0, 0.0); (
396649.7, 3869959.6, 774.0, 774.0, 0.0);
( 396624.8, 3869959.6, 774.1, 774.1, 0.0); (
396599.8, 3869959.5, 774.4, 774.4, 0.0);
( 396574.9, 3869959.5, 775.0, 775.0, 0.0); (
396549.9, 3869959.5, 775.0, 775.0, 0.0);
( 396525.0, 3869959.5, 775.0, 775.0, 0.0); (
396500.0, 3869959.5, 775.1, 775.1, 0.0);
( 396475.1, 3869959.5, 775.5, 775.5, 0.0); (
396450.1, 3869959.5, 776.0, 776.0, 0.0);
( 396425.2, 3869959.5, 776.0, 776.0, 0.0); (
396400.3, 3869959.5, 776.0, 776.0, 0.0);
( 396375.3, 3869959.5, 776.0, 776.0, 0.0); (
396350.4, 3869959.5, 776.0, 776.0, 0.0);
( 396325.4, 3869959.5, 776.0, 776.0, 0.0); (
396300.5, 3869959.5, 776.0, 776.0, 0.0);
( 396275.5, 3869959.5, 776.0, 776.0, 0.0); (
396250.6, 3869959.5, 776.1, 776.1, 0.0);
( 396225.6, 3869959.5, 776.8, 776.8, 0.0); (
396200.7, 3869959.5, 777.0, 777.0, 0.0);
( 396175.8, 3869959.5, 777.0, 777.0, 0.0); (
396150.8, 3869959.5, 777.0, 777.0, 0.0);
( 396125.9, 3869959.5, 777.0, 1273.0, 0.0); (
396100.9, 3869959.5, 777.1, 1275.0, 0.0);
( 396076.0, 3869959.5, 777.8, 1275.0, 0.0); (
396051.0, 3869959.5, 778.0, 1275.0, 0.0);
( 396026.1, 3869959.5, 778.0, 1275.0, 0.0); (
396001.1, 3869959.5, 778.0, 1275.0, 0.0);
( 395976.2, 3869959.5, 778.0, 1275.0, 0.0); (
395951.2, 3869959.5, 778.0, 1275.0, 0.0);
( 395926.3, 3869959.5, 778.1, 1275.0, 0.0); (
395901.4, 3869959.5, 778.7, 1275.0, 0.0);
( 395876.4, 3869959.5, 779.0, 1275.0, 0.0); (
395851.5, 3869959.5, 779.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES *** (METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: 723810 - Edwards AFB MetData - CARB\723810.SFC
Met Version: 14134
Profile file: 723810 - Edwards AFB MetData - CARB\723810.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23114 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2009 Year: 2009

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O LEN | Z0 | BOWEN | ALBEDO | REF WS | WD | HT | REF TA | HT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 | 01 | 01 | 1 | 01 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.8 | 2.0 |
| 09 | 01 | 01 | 1 | 02 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.6 | 2.0 |
| 09 | 01 | 01 | 1 | 03 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.5 | 2.0 |
| 09 | 01 | 01 | 1 | 04 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.1 | 2.0 |
| 09 | 01 | 01 | 1 | 05 | -6.5 | 0.087 | -9.000 | -9.000 | -999. | 62. | 8.5 | 0.18 | 1.43 | 1.00 | 1.76 | 283. | 10.0 | 271.4 | 2.0 |
| 09 | 01 | 01 | 1 | 06 | -11.7 | 0.117 | -9.000 | -9.000 | -999. | 96. | 11.5 | 0.18 | 1.43 | 1.00 | 2.36 | 232. | 10.0 | 271.5 | 2.0 |
| 09 | 01 | 01 | 1 | 07 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 270.8 | 2.0 |
| 09 | 01 | 01 | 1 | 08 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 0.56 | 0.00 | 0. | 10.0 | 271.9 | 2.0 |
| 09 | 01 | 01 | 1 | 09 | 22.2 | -9.000 | -9.000 | -9.000 | 55. | -999. | -99999.0 | 0.16 | 1.43 | 0.33 | 0.00 | 0. | 10.0 | 274.5 | 2.0 |
| 09 | 01 | 01 | 1 | 10 | 77.9 | 0.283 | 0.668 | 0.009 | 128. | 361. | -24.3 | 0.18 | 1.43 | 0.25 | 2.36 | 201. | 10.0 | 277.6 | 2.0 |
| 09 | 01 | 01 | 1 | 11 | 117.0 | -9.000 | -9.000 | -9.000 | 216. | -999. | -99999.0 | 0.16 | 1.43 | 0.22 | 0.00 | 0. | 10.0 | 280.1 | 2.0 |
| 09 | 01 | 01 | 1 | 12 | 136.4 | 0.247 | 1.087 | 0.009 | 315. | 295. | -9.3 | 0.20 | 1.43 | 0.22 | 1.76 | 86. | 10.0 | 282.1 | 2.0 |
| 09 | 01 | 01 | 1 | 13 | 135.3 | 0.235 | 1.200 | 0.008 | 427. | 274. | -8.0 | 0.16 | 1.43 | 0.22 | 1.76 | 999. | 10.0 | 284.2 | 2.0 |

```
 09 01 01   1 14  113.6 -9.000 -9.000 -9.000  526. -999. -99999.0  0.16
1.43   0.23    0.00    0.   10.0  285.5    2.0
 09 01 01   1 15   72.4 -9.000 -9.000 -9.000  617. -999. -99999.0  0.16
1.43   0.26    0.00    0.   10.0  286.8    2.0
 09 01 01   1 16   15.5 -9.000 -9.000 -9.000  633. -999. -99999.0  0.16
1.43   0.35    0.00    0.   10.0  287.1    2.0
 09 01 01   1 17    5.3 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   0.64    0.00    0.   10.0  284.1    2.0
 09 01 01   1 18   -4.9  0.077 -9.000 -9.000 -999.   51.      7.7  0.20
1.43   1.00    1.50   97.   10.0  281.1    2.0
 09 01 01   1 19   -4.7  0.074 -9.000 -9.000 -999.   48.      7.3  0.17
1.43   1.00    1.50  174.   10.0  279.1    2.0
 09 01 01   1 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   1.00    0.00    0.   10.0  277.1    2.0
 09 01 01   1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   1.00    0.00    0.   10.0  275.1    2.0
 09 01 01   1 22  -16.9  0.158 -9.000 -9.000 -999.  151.     19.5  0.18
1.43   1.00    2.60  222.   10.0  276.1    2.0
 09 01 01   1 23  -16.8  0.156 -9.000 -9.000 -999.  148.     18.8  0.18
1.43   1.00    2.60  210.   10.0  274.1    2.0
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   1.00    0.00    0.   10.0  274.1    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1 -999.  -99.00   272.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396724.50 | 3869038.47 | 0.27621 | 396699.62 | 3869038.47 | 0.33123 |
| 396674.74 | 3869038.47 | 0.37335 | 396649.86 | 3869038.47 | 0.40405 |
| 396624.98 | 3869038.47 | 0.42712 | 396600.10 | 3869038.47 | 0.44497 |
| 396575.21 | 3869038.47 | 0.45917 | 396550.33 | 3869038.47 | 0.47072 |
| 396525.45 | 3869038.47 | 0.48023 | 396500.57 | 3869038.47 | 0.48804 |
| 396475.69 | 3869038.47 | 0.49447 | 396450.81 | 3869038.47 | 0.50189 |
| 396425.93 | 3869038.47 | 0.51193 | 396401.05 | 3869038.47 | 0.51537 |
| 396376.17 | 3869038.47 | 0.51805 | 396351.29 | 3869038.47 | 0.52010 |
| 396326.41 | 3869038.47 | 0.52313 | 396301.53 | 3869038.47 | 0.52741 |
| 396276.65 | 3869038.47 | 0.53157 | 396251.76 | 3869038.47 | 0.53115 |
| 396226.88 | 3869038.47 | 0.53015 | 396202.00 | 3869038.47 | 0.53457 |
| 396177.12 | 3869038.47 | 0.53704 | 396152.24 | 3869038.47 | 0.53421 |
| 396127.36 | 3869038.47 | 0.53068 | 396102.48 | 3869038.47 | 0.52647 |
| 396077.60 | 3869038.47 | 0.52147 | 396052.72 | 3869038.47 | 0.52179 |
| 396027.84 | 3869038.47 | 0.51997 | 396002.96 | 3869038.47 | 0.51168 |
| 395978.08 | 3869038.47 | 0.50204 | 395953.19 | 3869038.47 | 0.49060 |

395928.31 3869038.47 0.48460
395903.43 3869038.47 0.47039
395878.55 3869038.47 0.44788
395853.67 3869038.47 0.41581
395828.79 3869038.47 0.36393
396742.18 3869020.79 0.21635
396767.18 3869045.79 0.21090
396699.62 3869013.47 0.26775
396674.74 3869013.47 0.29716
396649.86 3869013.47 0.32106
396624.98 3869013.47 0.34031
396600.10 3869013.47 0.35587
396575.21 3869013.47 0.36860
396550.33 3869013.47 0.37911
396525.45 3869013.47 0.38786
396500.57 3869013.47 0.39516
396475.69 3869013.47 0.40125
396450.81 3869013.47 0.40722
396425.93 3869013.47 0.41402
396401.05 3869013.47 0.41931
396376.17 3869013.47 0.42214
396351.29 3869013.47 0.42418
396326.41 3869013.47 0.42562
396301.53 3869013.47 0.42744
396276.65 3869013.47 0.43074
396251.76 3869013.47 0.43266
396226.88 3869013.47 0.43209
396202.00 3869013.47 0.43468
396177.12 3869013.47 0.43572
396152.24 3869013.47 0.43321
396127.36 3869013.47 0.43015
396102.48 3869013.47 0.42647
396077.60 3869013.47 0.42206
396052.72 3869013.47 0.42053
396027.84 3869013.47 0.41736
396002.96 3869013.47 0.41017
395978.08 3869013.47 0.40189
395953.19 3869013.47 0.39225
395928.31 3869013.47 0.38516
395903.43 3869013.47 0.37289
395878.55 3869013.47 0.35495
395853.67 3869013.47 0.33057
395828.79 3869013.47 0.29701
396742.18 3868995.79 0.19422
396784.85 3869028.11 0.17771
396699.62 3868988.47 0.23003
396674.74 3868988.47 0.25162
396649.86 3868988.47 0.27027

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396624.98 | 3868988.47 | 0.28609 | 396600.10 | 3868988.47 | 0.29944 |
| 396575.21 | 3868988.47 | 0.31069 | 396550.33 | 3868988.47 | 0.32018 |
| 396525.45 | 3868988.47 | 0.32822 | 396500.57 | 3868988.47 | 0.33501 |
| 396475.69 | 3868988.47 | 0.34075 | 396450.81 | 3868988.47 | 0.34556 |
| 396425.93 | 3868988.47 | 0.34991 | 396401.05 | 3868988.47 | 0.35574 |
| 396376.17 | 3868988.47 | 0.35930 | 396351.29 | 3868988.47 | 0.36155 |
| 396326.41 | 3868988.47 | 0.36302 | 396301.53 | 3868988.47 | 0.36377 |
| 396276.65 | 3868988.47 | 0.36450 | 396251.76 | 3868988.47 | 0.36717 |
| 396226.88 | 3868988.47 | 0.36768 | 396202.00 | 3868988.47 | 0.36911 |
| 396177.12 | 3868988.47 | 0.36968 | 396152.24 | 3868988.47 | 0.36829 |
| 396127.36 | 3868988.47 | 0.36557 | 396102.48 | 3868988.47 | 0.36229 |
| 396077.60 | 3868988.47 | 0.35839 | 396052.72 | 3868988.47 | 0.35708 |
| 396027.84 | 3868988.47 | 0.35398 | 396002.96 | 3868988.47 | 0.34757 |
| 395978.08 | 3868988.47 | 0.34021 | 395953.19 | 3868988.47 | 0.33170 |
| 395928.31 | 3868988.47 | 0.32483 | 395903.43 | 3868988.47 | 0.31377 |
| 395878.55 | 3868988.47 | 0.29849 | 395853.67 | 3868988.47 | 0.27915 |

| | | | | | |
|---|---|---|---|---|---|
| | 395828.79 | 3868988.47 | 0.25536 | | |
| 396742.18 | 3868970.79 | 0.17638 | | | |
| | 396777.53 | 3868985.44 | 0.15970 | | |
| 396802.53 | 3869010.43 | 0.15605 | | | |
| | 396817.18 | 3869045.79 | 0.16629 | | |
| 396699.62 | 3868963.47 | 0.20396 | | | |
| | 396674.74 | 3868963.47 | 0.22057 | | |
| 396649.86 | 3868963.47 | 0.23553 | | | |
| | 396624.98 | 3868963.47 | 0.24861 | | |
| 396600.10 | 3868963.47 | 0.25993 | | | |
| | 396575.21 | 3868963.47 | 0.26971 | | |
| 396550.33 | 3868963.47 | 0.27814 | | | |
| | 396525.45 | 3868963.47 | 0.28540 | | |
| 396500.57 | 3868963.47 | 0.29162 | | | |
| | 396475.69 | 3868963.47 | 0.29694 | | |
| 396450.81 | 3868963.47 | 0.30145 | | | |
| | 396425.93 | 3868963.47 | 0.30524 | | |
| 396401.05 | 3868963.47 | 0.30839 | | | |
| | 396376.17 | 3868963.47 | 0.31336 | | |
| 396351.29 | 3868963.47 | 0.31608 | | | |
| | 396326.41 | 3868963.47 | 0.31750 | | |
| 396301.53 | 3868963.47 | 0.31864 | | | |
| | 396276.65 | 3868963.47 | 0.31919 | | |
| 396251.76 | 3868963.47 | 0.31929 | | | |
| | 396226.88 | 3868963.47 | 0.32159 | | |
| 396202.00 | 3868963.47 | 0.32172 | | | |
| | 396177.12 | 3868963.47 | 0.32208 | | |
| 396152.24 | 3868963.47 | 0.32287 | | | |
| | 396127.36 | 3868963.47 | 0.32044 | | |
| 396102.48 | 3868963.47 | 0.31746 | | | |
| | 396077.60 | 3868963.47 | 0.31392 | | |
| 396052.72 | 3868963.47 | 0.31203 | | | |
| | 396027.84 | 3868963.47 | 0.30912 | | |
| 396002.96 | 3868963.47 | 0.30375 | | | |
| | 395978.08 | 3868963.47 | 0.29706 | | |
| 395953.19 | 3868963.47 | 0.28956 | | | |
| | 395928.31 | 3868963.47 | 0.28296 | | |
| 395903.43 | 3868963.47 | 0.27296 | | | |
| | 395878.55 | 3868963.47 | 0.25992 | | |
| 395853.67 | 3868963.47 | 0.24433 | | | |
| | 395828.79 | 3868963.47 | 0.22627 | | |
| 396745.71 | 3868922.26 | 0.15059 | | | |
| | 396766.93 | 3868931.04 | 0.14408 | | |
| 396788.14 | 3868939.83 | 0.13756 | | | |
| | 396809.35 | 3868948.62 | 0.13133 | | |
| 396839.35 | 3868978.61 | 0.12771 | | | |
| | 396848.14 | 3868999.83 | 0.13056 | | |
| 396856.93 | 3869021.04 | 0.13412 | | | |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396865.71 | 3869042.25 | 0.13824 | 396724.50 | 3868913.47 | 0.15663 |
| 396699.62 | 3868913.47 | 0.16792 | 396674.74 | 3868913.47 | 0.17875 |
| 396649.86 | 3868913.47 | 0.18905 | 396624.98 | 3868913.47 | 0.19906 |
| 396600.10 | 3868913.47 | 0.20814 | 396575.21 | 3868913.47 | 0.21549 |
| 396550.33 | 3868913.47 | 0.22201 | 396525.45 | 3868913.47 | 0.22776 |
| 396500.57 | 3868913.47 | 0.23282 | 396475.69 | 3868913.47 | 0.23723 |
| 396450.81 | 3868913.47 | 0.24107 | 396425.93 | 3868913.47 | 0.24436 |
| 396401.05 | 3868913.47 | 0.24715 | 396376.17 | 3868913.47 | 0.24947 |
| 396351.29 | 3868913.47 | 0.25135 | 396326.41 | 3868913.47 | 0.25312 |
| 396301.53 | 3868913.47 | 0.25456 | 396276.65 | 3868913.47 | 0.25539 |
| 396251.76 | 3868913.47 | 0.25718 | 396226.88 | 3868913.47 | 0.25943 |
| 396202.00 | 3868913.47 | 0.25965 | 396177.12 | 3868913.47 | 0.26004 |
| 396152.24 | 3868913.47 | 0.26075 | 396127.36 | 3868913.47 | 0.25874 |
| 396102.48 | 3868913.47 | 0.25625 | 396077.60 | 3868913.47 | 0.25324 |
| 396052.72 | 3868913.47 | 0.24969 | 396027.84 | 3868913.47 | 0.24683 |
| 396002.96 | 3868913.47 | 0.24456 | 395978.08 | 3868913.47 | 0.24075 |

395953.19 3868913.47 0.23475
395928.31 3868913.47 0.22726
395903.43 3868913.47 0.21877
395878.55 3868913.47 0.20917
395853.67 3868913.47 0.19839
395828.79 3868913.47 0.18667
396744.70 3868871.84 0.13358
396785.11 3868888.57 0.12484
396825.51 3868905.31 0.11594
396874.29 3868942.25 0.10855
396891.02 3868982.65 0.11168
396907.76 3869023.06 0.11622
396699.62 3868863.47 0.14551
396674.74 3868863.47 0.15326
396649.86 3868863.47 0.16052
396624.98 3868863.47 0.16719
396600.10 3868863.47 0.17385
396575.21 3868863.47 0.18082
396550.33 3868863.47 0.18589
396525.45 3868863.47 0.19043
396500.57 3868863.47 0.19447
396475.69 3868863.47 0.19805
396450.81 3868863.47 0.20119
396425.93 3868863.47 0.20393
396401.05 3868863.47 0.20630
396376.17 3868863.47 0.20831
396351.29 3868863.47 0.20997
396326.41 3868863.47 0.21129
396301.53 3868863.47 0.21286
396276.65 3868863.47 0.21530
396251.76 3868863.47 0.21643
396226.88 3868863.47 0.21954
396202.00 3868863.47 0.22224
396177.12 3868863.47 0.22437
396152.24 3868863.47 0.22509
396127.36 3868863.47 0.22322
396102.48 3868863.47 0.22167
396077.60 3868863.47 0.21865
396052.72 3868863.47 0.21513
396027.84 3868863.47 0.21109
396002.96 3868863.47 0.20656
395978.08 3868863.47 0.20154
395953.19 3868863.47 0.19592
395928.31 3868863.47 0.18984
395903.43 3868863.47 0.18326
395878.55 3868863.47 0.17599
395853.67 3868863.47 0.16814
395828.79 3868863.47 0.15981

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396746.60 | 3868822.62 | 0.11999 | 396768.69 | 3868831.77 | 0.11657 |
| 396790.79 | 3868840.93 | 0.11291 | 396812.89 | 3868850.08 | 0.10916 |
| 396834.98 | 3868859.23 | 0.10504 | 396857.08 | 3868868.38 | 0.10111 |
| 396879.18 | 3868877.54 | 0.09683 | 396910.43 | 3868908.79 | 0.09371 |
| 396919.58 | 3868930.88 | 0.09452 | 396928.73 | 3868952.98 | 0.09581 |
| 396937.89 | 3868975.07 | 0.09702 | 396947.04 | 3868997.17 | 0.09861 |
| 396956.19 | 3869019.27 | 0.10047 | 396965.35 | 3869041.36 | 0.10247 |
| 396724.50 | 3868813.47 | 0.12315 | 396699.62 | 3868813.47 | 0.12914 |
| 396674.74 | 3868813.47 | 0.13499 | 396649.86 | 3868813.47 | 0.14051 |
| 396624.98 | 3868813.47 | 0.14561 | 396600.10 | 3868813.47 | 0.15030 |
| 396575.21 | 3868813.47 | 0.15483 | 396550.33 | 3868813.47 | 0.16030 |
| 396525.45 | 3868813.47 | 0.16396 | 396500.57 | 3868813.47 | 0.16721 |
| 396475.69 | 3868813.47 | 0.17010 | 396450.81 | 3868813.47 | 0.17266 |
| 396425.93 | 3868813.47 | 0.17490 | 396401.05 | 3868813.47 | 0.17684 |
| 396376.17 | 3868813.47 | 0.17850 | 396351.29 | 3868813.47 | 0.17995 |
| 396326.41 | 3868813.47 | 0.18199 | 396301.53 | 3868813.47 | 0.18471 |

396276.65 3868813.47 0.18753
396251.76 3868813.47 0.19034
396226.88 3868813.47 0.19525
396202.00 3868813.47 0.19411
396177.12 3868813.47 0.19040
396152.24 3868813.47 0.18787
396127.36 3868813.47 0.18612
396102.48 3868813.47 0.18409
396077.60 3868813.47 0.18282
396052.72 3868813.47 0.18039
396027.84 3868813.47 0.17765
396002.96 3868813.47 0.17495
395978.08 3868813.47 0.17174
395953.19 3868813.47 0.16743
395928.31 3868813.47 0.16302
395903.43 3868813.47 0.15764
395878.55 3868813.47 0.15203
395853.67 3868813.47 0.14609
395828.79 3868813.47 0.13984
396745.93 3868739.01 0.10271
396767.35 3868747.89 0.10011
396788.78 3868756.76 0.09789
396810.21 3868765.64 0.09551
396831.63 3868774.51 0.09303
396853.06 3868783.39 0.09049
396874.49 3868792.26 0.08794
396895.92 3868801.14 0.08535
396917.34 3868810.01 0.08269
396938.77 3868818.89 0.07998
396969.07 3868849.19 0.07740
396977.95 3868870.62 0.07757
396986.83 3868892.04 0.07786
396995.70 3868913.47 0.07831
397004.58 3868934.90 0.07891
397013.45 3868956.32 0.07968
397022.33 3868977.75 0.08059
397031.21 3868999.18 0.08161
397040.08 3869020.60 0.08272
397048.96 3869042.03 0.08390
396724.50 3868730.14 0.10536
396699.62 3868730.14 0.10935
396674.74 3868730.14 0.11326
396649.86 3868730.14 0.11699
396624.98 3868730.14 0.12045
396600.10 3868730.14 0.12362
396575.21 3868730.14 0.12672
396550.33 3868730.14 0.13073
396525.45 3868730.14 0.13319

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396500.57 | 3868730.14 | 0.13540 | 396475.69 | 3868730.14 | 0.13812 |
| 396450.81 | 3868730.14 | 0.14084 | 396425.93 | 3868730.14 | 0.14263 |
| 396401.05 | 3868730.14 | 0.14398 | 396376.17 | 3868730.14 | 0.14800 |
| 396351.29 | 3868730.14 | 0.15002 | 396326.41 | 3868730.14 | 0.15302 |
| 396301.53 | 3868730.14 | 0.15674 | 396276.65 | 3868730.14 | 0.15541 |
| 396251.76 | 3868730.14 | 0.15213 | 396226.88 | 3868730.14 | 0.12490 |
| 396202.00 | 3868730.14 | 0.09610 | 396177.12 | 3868730.14 | 0.08648 |
| 396152.24 | 3868730.14 | 0.08510 | 396127.36 | 3868730.14 | 0.08647 |
| 396102.48 | 3868730.14 | 0.09328 | 396077.60 | 3868730.14 | 0.11091 |
| 396052.72 | 3868730.14 | 0.12554 | 396027.84 | 3868730.14 | 0.13138 |
| 396002.96 | 3868730.14 | 0.13795 | 395978.08 | 3868730.14 | 0.13657 |
| 395953.19 | 3868730.14 | 0.13406 | 395928.31 | 3868730.14 | 0.13100 |
| 395903.43 | 3868730.14 | 0.12645 | 395878.55 | 3868730.14 | 0.12221 |
| 395853.67 | 3868730.14 | 0.11878 | 395828.79 | 3868730.14 | 0.11468 |
| 396747.16 | 3868656.19 | 0.08963 | 396769.83 | 3868665.58 | 0.08820 |
| 396792.49 | 3868674.96 | 0.08665 | 396815.15 | 3868684.35 | 0.08497 |

| | | | | | |
|---|---|---|---|---|---|
| | 396837.82 | 3868693.74 | 0.08309 | 396860.48 | 3868703.13 |
| 0.08119 | 396883.14 | 3868712.51 | 0.07919 | 396905.81 | 3868721.90 |
| 0.07716 | 396928.47 | 3868731.29 | 0.07509 | 396951.13 | 3868740.67 |
| 0.07295 | 396973.79 | 3868750.06 | 0.07068 | 396996.46 | 3868759.45 |
| 0.06842 | 397028.51 | 3868791.50 | 0.06599 | 397037.90 | 3868814.16 |
| 0.06588 | 397047.29 | 3868836.82 | 0.06584 | 397056.67 | 3868859.49 |
| 0.06591 | 397066.06 | 3868882.15 | 0.06609 | 397075.45 | 3868904.81 |
| 0.06640 | 397084.84 | 3868927.47 | 0.06683 | 397094.23 | 3868950.14 |
| 0.06735 | 397103.61 | 3868972.80 | 0.06795 | 397113.00 | 3868995.46 |
| 0.06862 | 397122.39 | 3869018.13 | 0.06934 | 397131.78 | 3869040.79 |
| 0.07012 | 396724.50 | 3868646.80 | 0.09099 | 396699.62 | 3868646.80 |
| 0.09414 | 396674.74 | 3868646.80 | 0.09751 | 396649.86 | 3868646.80 |
| 0.10027 | 396624.98 | 3868646.80 | 0.10271 | 396600.10 | 3868646.80 |
| 0.10537 | 396575.21 | 3868646.80 | 0.10842 | 396550.33 | 3868646.80 |
| 0.11021 | 396525.45 | 3868646.80 | 0.11183 | 396500.57 | 3868646.80 |
| 0.11431 | 396475.69 | 3868646.80 | 0.11625 | 396450.81 | 3868646.80 |
| 0.11742 | 396425.93 | 3868646.80 | 0.11859 | 396401.05 | 3868646.80 |
| 0.12095 | 396376.17 | 3868646.80 | 0.12324 | 396351.29 | 3868646.80 |
| 0.12417 | 396326.41 | 3868646.80 | 0.12613 | 396301.53 | 3868646.80 |
| 0.12823 | 396276.65 | 3868646.80 | 0.12608 | 396251.76 | 3868646.80 |
| 0.11150 | 396226.88 | 3868646.80 | 0.09570 | 396202.00 | 3868646.80 |
| 0.09581 | 396177.12 | 3868646.80 | 0.09863 | 396152.24 | 3868646.80 |
| 0.09728 | 396127.36 | 3868646.80 | 0.09642 | 396102.48 | 3868646.80 |
| 0.10154 | 396077.60 | 3868646.80 | 0.10713 | 396052.72 | 3868646.80 |
| 0.10963 | | | | | |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396027.84 | 3868646.80 | 0.11505 | 396002.96 | 3868646.80 | 0.11415 |
| 395978.08 | 3868646.80 | 0.11302 | 395953.19 | 3868646.80 | 0.11069 |
| 395928.31 | 3868646.80 | 0.10752 | 395903.43 | 3868646.80 | 0.10466 |
| 395878.55 | 3868646.80 | 0.10196 | 395853.67 | 3868646.80 | 0.09930 |
| 395828.79 | 3868646.80 | 0.09645 | 396746.60 | 3868572.62 | 0.07963 |
| 396768.69 | 3868581.77 | 0.07850 | 396790.79 | 3868590.93 | 0.07693 |
| 396812.89 | 3868600.08 | 0.07587 | 396834.98 | 3868609.23 | 0.07470 |
| 396857.08 | 3868618.38 | 0.07340 | 396879.18 | 3868627.54 | 0.07200 |
| 396901.27 | 3868636.69 | 0.07053 | 396923.37 | 3868645.84 | 0.06902 |
| 396945.47 | 3868654.99 | 0.06748 | 396967.56 | 3868664.15 | 0.06590 |
| 396989.66 | 3868673.30 | 0.06425 | 397011.76 | 3868682.45 | 0.06253 |
| 397033.85 | 3868691.60 | 0.06074 | 397055.95 | 3868700.76 | 0.05890 |
| 397087.20 | 3868732.00 | 0.05682 | 397096.35 | 3868754.10 | 0.05656 |
| 397105.51 | 3868776.20 | 0.05682 | 397114.66 | 3868798.29 | 0.05689 |
| 397123.81 | 3868820.39 | 0.05669 | 397132.97 | 3868842.49 | 0.05674 |
| 397142.12 | 3868864.58 | 0.05683 | 397151.27 | 3868886.68 | 0.05694 |

397160.43 3868908.77 0.05697
397169.58 3868930.87 0.05740
397178.73 3868952.97 0.05779
397187.89 3868975.06 0.05813
397197.04 3868997.16 0.05852
397206.19 3869019.26 0.05935
397215.35 3869041.35 0.05985
396724.50 3868563.47 0.08046
396699.62 3868563.47 0.08245
396674.74 3868563.47 0.08441
396649.86 3868563.47 0.08669
396624.98 3868563.47 0.08890
396600.10 3868563.47 0.09076
396575.21 3868563.47 0.09229
396550.33 3868563.47 0.09417
396525.45 3868563.47 0.09571
396500.57 3868563.47 0.09676
396475.69 3868563.47 0.09821
396450.81 3868563.47 0.09968
396425.93 3868563.47 0.10037
396401.05 3868563.47 0.10153
396376.17 3868563.47 0.10241
396351.29 3868563.47 0.10333
396326.41 3868563.47 0.10406
396301.53 3868563.47 0.10462
396276.65 3868563.47 0.10537
396251.76 3868563.47 0.10657
396226.88 3868563.47 0.10615
396202.00 3868563.47 0.10556
396177.12 3868563.47 0.10469
396152.24 3868563.47 0.10406
396127.36 3868563.47 0.10341
396102.48 3868563.47 0.10178
396077.60 3868563.47 0.10065
396052.72 3868563.47 0.09947
396027.84 3868563.47 0.09826
396002.96 3868563.47 0.09680
395978.08 3868563.47 0.09463
395953.19 3868563.47 0.09262
395928.31 3868563.47 0.09088
395903.43 3868563.47 0.08915
395878.55 3868563.47 0.08729
395853.67 3868563.47 0.08531
395828.79 3868563.47 0.08321
396746.60 3868322.62 0.05692
396768.69 3868331.77 0.05693
396790.79 3868340.93 0.05687
396812.89 3868350.08 0.05649

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396834.98 | 3868359.23 | 0.05615 | 396857.08 | 3868368.38 | 0.05566 |
| 396879.18 | 3868377.54 | 0.05534 | 396901.27 | 3868386.69 | 0.05492 |
| 396923.37 | 3868395.84 | 0.05441 | 396945.47 | 3868404.99 | 0.05382 |
| 396967.56 | 3868414.15 | 0.05316 | 396989.66 | 3868423.30 | 0.05245 |
| 397011.76 | 3868432.45 | 0.05171 | 397033.85 | 3868441.60 | 0.05091 |
| 397055.95 | 3868450.76 | 0.05008 | 397078.05 | 3868459.91 | 0.04935 |
| 397100.14 | 3868469.06 | 0.04839 | 397122.24 | 3868478.21 | 0.04741 |
| 397144.34 | 3868487.37 | 0.04621 | 397166.43 | 3868496.52 | 0.04515 |
| 397188.53 | 3868505.67 | 0.04400 | 397210.63 | 3868514.82 | 0.04327 |
| 397232.72 | 3868523.98 | 0.04202 | 397263.97 | 3868555.22 | 0.04050 |
| 397273.13 | 3868577.32 | 0.04008 | 397282.28 | 3868599.42 | 0.03965 |
| 397291.43 | 3868621.51 | 0.03925 | 397300.59 | 3868643.61 | 0.03886 |
| 397309.74 | 3868665.71 | 0.03853 | 397318.89 | 3868687.80 | 0.03820 |
| 397328.05 | 3868709.90 | 0.03791 | 397337.20 | 3868731.99 | 0.03766 |
| 397346.35 | 3868754.09 | 0.03753 | 397355.51 | 3868776.19 | 0.03736 |
| 397364.66 | 3868798.28 | 0.03726 | 397373.81 | 3868820.38 | 0.03724 |

397382.97 3868842.47 0.03727
397392.12 3868864.57 0.03723
397401.27 3868886.67 0.03725
397410.43 3868908.76 0.03727
397419.58 3868930.86 0.03728
397428.73 3868952.96 0.03738
397437.89 3868975.05 0.03753
397447.04 3868997.15 0.03775
397456.19 3869019.24 0.03804
397465.35 3869041.34 0.03840
396724.50 3868313.47 0.05713
396699.62 3868313.47 0.05790
396674.74 3868313.47 0.05866
396649.86 3868313.47 0.05939
396624.98 3868313.47 0.06010
396600.10 3868313.47 0.06075
396575.21 3868313.47 0.06143
396550.33 3868313.47 0.06251
396525.45 3868313.47 0.06296
396500.57 3868313.47 0.06343
396475.69 3868313.47 0.06401
396450.81 3868313.47 0.06450
396425.93 3868313.47 0.06465
396401.05 3868313.47 0.06476
396376.17 3868313.47 0.06499
396351.29 3868313.47 0.06539
396326.41 3868313.47 0.06563
396301.53 3868313.47 0.06565
396276.65 3868313.47 0.06565
396251.76 3868313.47 0.06562
396226.88 3868313.47 0.06555
396202.00 3868313.47 0.06542
396177.12 3868313.47 0.06499
396152.24 3868313.47 0.06439
396127.36 3868313.47 0.06406
396102.48 3868313.47 0.06367
396077.60 3868313.47 0.06351
396052.72 3868313.47 0.06319
396027.84 3868313.47 0.06270
396002.96 3868313.47 0.06224
395978.08 3868313.47 0.06202
395953.19 3868313.47 0.06137
395928.31 3868313.47 0.06100
395903.43 3868313.47 0.06035
395878.55 3868313.47 0.05951
395853.67 3868313.47 0.05859
395828.79 3868313.47 0.05760
396747.31 3868072.92 0.04199

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396770.12 | 3868082.37 | 0.04185 | 396792.93 | 3868091.81 | 0.04185 |
| 396815.74 | 3868101.26 | 0.04198 | 396838.55 | 3868110.71 | 0.04211 |
| 396861.36 | 3868120.16 | 0.04224 | 396884.17 | 3868129.60 | 0.04234 |
| 396906.98 | 3868139.05 | 0.04241 | 396929.78 | 3868148.50 | 0.04244 |
| 396952.59 | 3868157.95 | 0.04240 | 396975.40 | 3868167.39 | 0.04229 |
| 396998.21 | 3868176.84 | 0.04212 | 397021.02 | 3868186.29 | 0.04189 |
| 397043.83 | 3868195.74 | 0.04160 | 397066.64 | 3868205.18 | 0.04128 |
| 397089.45 | 3868214.63 | 0.04094 | 397112.26 | 3868224.08 | 0.04057 |
| 397135.07 | 3868233.53 | 0.04020 | 397157.88 | 3868242.98 | 0.03981 |
| 397180.69 | 3868252.42 | 0.03941 | 397203.50 | 3868261.87 | 0.03890 |
| 397226.31 | 3868271.32 | 0.03841 | 397249.12 | 3868280.77 | 0.03786 |
| 397271.93 | 3868290.21 | 0.03727 | 397294.73 | 3868299.66 | 0.03663 |
| 397317.54 | 3868309.11 | 0.03593 | 397340.35 | 3868318.56 | 0.03515 |
| 397363.16 | 3868328.00 | 0.03432 | 397385.97 | 3868337.45 | 0.03340 |
| 397408.78 | 3868346.90 | 0.03249 | 397441.04 | 3868379.16 | 0.03106 |
| 397450.49 | 3868401.97 | 0.03057 | 397459.94 | 3868424.77 | 0.03009 |

397469.39 3868447.58 0.02966
397478.83 3868470.39 0.02919
397488.28 3868493.20 0.02872
397497.73 3868516.01 0.02826
397507.18 3868538.82 0.02784
397516.63 3868561.63 0.02740
397526.08 3868584.44 0.02697
397535.53 3868607.25 0.02658
397544.98 3868630.06 0.02629
397554.42 3868652.86 0.02604
397563.87 3868675.67 0.02584
397573.32 3868698.48 0.02570
397582.77 3868721.29 0.02563
397592.22 3868744.10 0.02556
397601.67 3868766.91 0.02553
397611.12 3868789.72 0.02558
397620.56 3868812.53 0.02562
397630.01 3868835.34 0.02572
397639.46 3868858.14 0.02584
397648.91 3868880.95 0.02599
397658.36 3868903.76 0.02621
397667.81 3868926.57 0.02642
397677.26 3868949.38 0.02670
397686.71 3868972.19 0.02704
397696.15 3868995.00 0.02738
397705.60 3869017.81 0.02782
397715.05 3869040.62 0.02827
396724.50 3868063.47 0.04195
396699.62 3868063.47 0.04234
396674.74 3868063.47 0.04274
396649.86 3868063.47 0.04345
396624.98 3868063.47 0.04403
396600.10 3868063.47 0.04445
396575.21 3868063.47 0.04486
396550.33 3868063.47 0.04525
396525.45 3868063.47 0.04598
396500.57 3868063.47 0.04640
396475.69 3868063.47 0.04669
396450.81 3868063.47 0.04694
396425.93 3868063.47 0.04719
396401.05 3868063.47 0.04770
396376.17 3868063.47 0.04781
396351.29 3868063.47 0.04785
396326.41 3868063.47 0.04783
396301.53 3868063.47 0.04775
396276.65 3868063.47 0.04763
396251.76 3868063.47 0.04746
396226.88 3868063.47 0.04724

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396202.00 | 3868063.47 | 0.04700 | 396177.12 | 3868063.47 | 0.04673 |
| 396152.24 | 3868063.47 | 0.04645 | 396127.36 | 3868063.47 | 0.04617 |
| 396102.48 | 3868063.47 | 0.04590 | 396077.60 | 3868063.47 | 0.04588 |
| 396052.72 | 3868063.47 | 0.04572 | 396027.84 | 3868063.47 | 0.04549 |
| 396002.96 | 3868063.47 | 0.04533 | 395978.08 | 3868063.47 | 0.04532 |
| 395953.19 | 3868063.47 | 0.04506 | 395928.31 | 3868063.47 | 0.04476 |
| 395903.43 | 3868063.47 | 0.04443 | 395878.55 | 3868063.47 | 0.04414 |
| 395853.67 | 3868063.47 | 0.04387 | 395828.79 | 3868063.47 | 0.04339 |
| 396747.00 | 3867672.79 | 0.02927 | 396769.50 | 3867682.11 | 0.02920 |
| 396792.00 | 3867691.43 | 0.02917 | 396814.49 | 3867700.75 | 0.02916 |
| 396836.99 | 3867710.06 | 0.02918 | 396859.49 | 3867719.38 | 0.02924 |
| 396881.99 | 3867728.70 | 0.02932 | 396904.49 | 3867738.02 | 0.02941 |
| 396926.99 | 3867747.34 | 0.02930 | 396949.48 | 3867756.66 | 0.02936 |
| 396971.98 | 3867765.98 | 0.02948 | 396994.48 | 3867775.30 | 0.02936 |
| 397016.98 | 3867784.61 | 0.02946 | 397039.48 | 3867793.93 | 0.02958 |
| 397061.98 | 3867803.25 | 0.02967 | 397084.47 | 3867812.57 | 0.02975 |

397106.97 3867821.89 0.02980
397129.47 3867831.21 0.02977
397151.97 3867840.53 0.02969
397174.47 3867849.85 0.02981
397196.97 3867859.17 0.02952
397219.46 3867868.48 0.02950
397241.96 3867877.80 0.02948
397264.46 3867887.12 0.02945
397286.96 3867896.44 0.02942
397309.46 3867905.76 0.02939
397331.96 3867915.08 0.02935
397354.45 3867924.40 0.02930
397376.95 3867933.72 0.02923
397399.45 3867943.03 0.02914
397421.95 3867952.35 0.02901
397444.45 3867961.67 0.02885
397466.95 3867970.99 0.02864
397489.44 3867980.31 0.02838
397511.94 3867989.63 0.02808
397534.44 3867998.95 0.02772
397556.94 3868008.27 0.02731
397579.44 3868017.59 0.02685
397601.94 3868026.90 0.02634
397624.43 3868036.22 0.02578
397646.93 3868045.54 0.02514
397669.43 3868054.86 0.02447
397691.93 3868064.18 0.02381
397723.75 3868096.00 0.02271
397733.07 3868118.49 0.02227
397742.39 3868140.99 0.02182
397751.71 3868163.49 0.02135
397761.03 3868185.99 0.02085
397770.35 3868208.49 0.02036
397779.67 3868230.98 0.01987
397788.99 3868253.48 0.01941
397798.31 3868275.98 0.01896
397807.63 3868298.48 0.01853
397816.95 3868320.98 0.01812
397826.27 3868343.47 0.01774
397835.59 3868365.97 0.01739
397844.91 3868388.47 0.01706
397854.22 3868410.97 0.01677
397863.54 3868433.47 0.01652
397872.86 3868455.96 0.01630
397882.18 3868478.46 0.01612
397891.50 3868500.96 0.01599
397900.82 3868523.46 0.01590
397910.14 3868545.96 0.01586

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397919.46 | 3868568.45 | 0.01585 | 397928.78 | 3868590.95 | 0.01587 |
| 397938.10 | 3868613.45 | 0.01592 | 397947.42 | 3868635.95 | 0.01600 |
| 397956.74 | 3868658.44 | 0.01614 | 397966.06 | 3868680.94 | 0.01628 |
| 397975.38 | 3868703.44 | 0.01643 | 397984.70 | 3868725.94 | 0.01659 |
| 397994.02 | 3868748.44 | 0.01679 | 398003.34 | 3868770.93 | 0.01701 |
| 398012.66 | 3868793.43 | 0.01722 | 398021.98 | 3868815.93 | 0.01741 |
| 398031.30 | 3868838.43 | 0.01764 | 398040.62 | 3868860.93 | 0.01787 |
| 398049.94 | 3868883.42 | 0.01811 | 398059.26 | 3868905.92 | 0.01836 |
| 398068.58 | 3868928.42 | 0.01861 | 398077.90 | 3868950.92 | 0.01888 |
| 398087.22 | 3868973.42 | 0.01917 | 398096.54 | 3868995.91 | 0.01950 |
| 398105.86 | 3869018.41 | 0.01980 | 398115.18 | 3869040.91 | 0.02010 |
| 396724.50 | 3867663.47 | 0.02948 | 396699.62 | 3867663.47 | 0.02996 |
| 396674.74 | 3867663.47 | 0.03029 | 396649.86 | 3867663.47 | 0.03063 |
| 396624.98 | 3867663.47 | 0.03096 | 396600.10 | 3867663.47 | 0.03129 |
| 396575.21 | 3867663.47 | 0.03160 | 396550.33 | 3867663.47 | 0.03190 |
| 396525.45 | 3867663.47 | 0.03216 | 396500.57 | 3867663.47 | 0.03238 |

| | | | | | |
|---|---|---|---|---|---|
| | 396475.69 | 3867663.47 | 0.03262 | | |
| 396450.81 | 3867663.47 | 0.03286 | | | |
| | 396425.93 | 3867663.47 | 0.03305 | | |
| 396401.05 | 3867663.47 | 0.03309 | | | |
| | 396376.17 | 3867663.47 | 0.03307 | | |
| 396351.29 | 3867663.47 | 0.03301 | | | |
| | 396326.41 | 3867663.47 | 0.03290 | | |
| 396301.53 | 3867663.47 | 0.03282 | | | |
| | 396276.65 | 3867663.47 | 0.03282 | | |
| 396251.76 | 3867663.47 | 0.03262 | | | |
| | 396226.88 | 3867663.47 | 0.03242 | | |
| 396202.00 | 3867663.47 | 0.03222 | | | |
| | 396177.12 | 3867663.47 | 0.03202 | | |
| 396152.24 | 3867663.47 | 0.03183 | | | |
| | 396127.36 | 3867663.47 | 0.03165 | | |
| 396102.48 | 3867663.47 | 0.03154 | | | |
| | 396077.60 | 3867663.47 | 0.03146 | | |
| 396052.72 | 3867663.47 | 0.03133 | | | |
| | 396027.84 | 3867663.47 | 0.03119 | | |
| 396002.96 | 3867663.47 | 0.03105 | | | |
| | 395978.08 | 3867663.47 | 0.03094 | | |
| 395953.19 | 3867663.47 | 0.03084 | | | |
| | 395928.31 | 3867663.47 | 0.03067 | | |
| 395903.43 | 3867663.47 | 0.03049 | | | |
| | 395878.55 | 3867663.47 | 0.03029 | | |
| 395853.67 | 3867663.47 | 0.03007 | | | |
| | 395828.79 | 3867663.47 | 0.02985 | | |
| 396747.23 | 3867272.88 | 0.02309 | | | |
| | 396769.96 | 3867282.30 | 0.02302 | | |
| 396792.68 | 3867291.71 | 0.02288 | | | |
| | 396815.41 | 3867301.13 | 0.02265 | | |
| 396838.14 | 3867310.54 | 0.02256 | | | |
| | 396860.87 | 3867319.95 | 0.02248 | | |
| 396883.60 | 3867329.37 | 0.02241 | | | |
| | 396906.32 | 3867338.78 | 0.02235 | | |
| 396929.05 | 3867348.20 | 0.02230 | | | |
| | 396951.78 | 3867357.61 | 0.02223 | | |
| 396974.51 | 3867367.02 | 0.02208 | | | |
| | 396997.24 | 3867376.44 | 0.02202 | | |
| 397019.96 | 3867385.85 | 0.02204 | | | |
| | 397042.69 | 3867395.26 | 0.02206 | | |
| 397065.42 | 3867404.68 | 0.02210 | | | |
| | 397088.15 | 3867414.09 | 0.02214 | | |
| 397110.87 | 3867423.51 | 0.02218 | | | |
| | 397133.60 | 3867432.92 | 0.02200 | | |
| 397156.33 | 3867442.33 | 0.02177 | | | |
| | 397179.06 | 3867451.75 | 0.02181 | | |
| 397201.79 | 3867461.16 | 0.02163 | | | |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397224.51 | 3867470.58 | 0.02168 | 397247.24 | 3867479.99 | 0.02173 |
| 397269.97 | 3867489.40 | 0.02179 | 397292.70 | 3867498.82 | 0.02186 |
| 397315.43 | 3867508.23 | 0.02193 | 397338.15 | 3867517.65 | 0.02202 |
| 397360.88 | 3867527.06 | 0.02211 | 397383.61 | 3867536.47 | 0.02222 |
| 397406.34 | 3867545.89 | 0.02233 | 397429.07 | 3867555.30 | 0.02245 |
| 397451.79 | 3867564.72 | 0.02257 | 397474.52 | 3867574.13 | 0.02269 |
| 397497.25 | 3867583.54 | 0.02281 | 397519.98 | 3867592.96 | 0.02293 |
| 397542.71 | 3867602.37 | 0.02304 | 397565.43 | 3867611.78 | 0.02313 |
| 397588.16 | 3867621.20 | 0.02320 | 397610.89 | 3867630.61 | 0.02324 |
| 397633.62 | 3867640.03 | 0.02326 | 397656.34 | 3867649.44 | 0.02324 |
| 397679.07 | 3867658.85 | 0.02318 | 397701.80 | 3867668.27 | 0.02308 |
| 397724.53 | 3867677.68 | 0.02294 | 397747.26 | 3867687.10 | 0.02275 |
| 397769.98 | 3867696.51 | 0.02246 | 397792.71 | 3867705.92 | 0.02216 |
| 397815.44 | 3867715.34 | 0.02184 | 397838.17 | 3867724.75 | 0.02143 |
| 397860.90 | 3867734.17 | 0.02101 | 397883.62 | 3867743.58 | 0.02057 |
| 397906.35 | 3867752.99 | 0.02009 | 397929.08 | 3867762.41 | 0.01954 |

397951.81 3867771.82 0.01901
397974.54 3867781.24 0.01845
398006.68 3867813.38 0.01750
398016.09 3867836.10 0.01712
398025.51 3867858.83 0.01672
398034.92 3867881.56 0.01632
398044.34 3867904.29 0.01591
398053.75 3867927.01 0.01550
398063.17 3867949.74 0.01510
398072.58 3867972.47 0.01470
398082.00 3867995.20 0.01432
398091.41 3868017.92 0.01394
398100.83 3868040.65 0.01358
398110.24 3868063.38 0.01324
398119.66 3868086.11 0.01291
398129.07 3868108.83 0.01261
398138.49 3868131.56 0.01233
398147.90 3868154.29 0.01207
398157.32 3868177.02 0.01184
398166.73 3868199.74 0.01163
398176.15 3868222.47 0.01145
398185.56 3868245.20 0.01130
398194.98 3868267.93 0.01117
398204.39 3868290.65 0.01108
398213.81 3868313.38 0.01102
398223.22 3868336.11 0.01100
398232.64 3868358.84 0.01099
398242.05 3868381.56 0.01100
398251.47 3868404.29 0.01104
398260.88 3868427.02 0.01110
398270.30 3868449.75 0.01117
398279.71 3868472.47 0.01127
398289.13 3868495.20 0.01139
398298.54 3868517.93 0.01152
398307.96 3868540.66 0.01167
398317.37 3868563.38 0.01181
398326.79 3868586.11 0.01197
398336.20 3868608.84 0.01212
398345.62 3868631.57 0.01228
398355.03 3868654.29 0.01244
398364.45 3868677.02 0.01261
398373.86 3868699.75 0.01278
398383.28 3868722.48 0.01293
398392.69 3868745.20 0.01309
398402.11 3868767.93 0.01325
398411.52 3868790.66 0.01338
398420.94 3868813.39 0.01351
398430.35 3868836.11 0.01364

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 398439.77 | 3868858.84 | 0.01378 | 398449.18 | 3868881.57 | 0.01391 |
| 398458.60 | 3868904.30 | 0.01405 | 398468.01 | 3868927.02 | 0.01419 |
| 398477.43 | 3868949.75 | 0.01436 | 398486.84 | 3868972.48 | 0.01452 |
| 398496.26 | 3868995.21 | 0.01468 | 398505.67 | 3869017.93 | 0.01485 |
| 398515.09 | 3869040.66 | 0.01503 | 396724.50 | 3867263.47 | 0.02315 |
| 396699.62 | 3867263.47 | 0.02334 | 396674.74 | 3867263.47 | 0.02353 |
| 396649.86 | 3867263.47 | 0.02371 | 396624.98 | 3867263.47 | 0.02387 |
| 396600.10 | 3867263.47 | 0.02402 | 396575.21 | 3867263.47 | 0.02415 |
| 396550.33 | 3867263.47 | 0.02427 | 396525.45 | 3867263.47 | 0.02448 |
| 396500.57 | 3867263.47 | 0.02461 | 396475.69 | 3867263.47 | 0.02468 |
| 396450.81 | 3867263.47 | 0.02472 | 396425.93 | 3867263.47 | 0.02475 |
| 396401.05 | 3867263.47 | 0.02484 | 396376.17 | 3867263.47 | 0.02485 |
| 396351.29 | 3867263.47 | 0.02481 | 396326.41 | 3867263.47 | 0.02476 |
| 396301.53 | 3867263.47 | 0.02470 | 396276.65 | 3867263.47 | 0.02463 |
| 396251.76 | 3867263.47 | 0.02456 | 396226.88 | 3867263.47 | 0.02448 |
| 396202.00 | 3867263.47 | 0.02441 | 396177.12 | 3867263.47 | 0.02433 |

396152.24 3867263.47 0.02427
396127.36 3867263.47 0.02426
396102.48 3867263.47 0.02417
396077.60 3867263.47 0.02407
396052.72 3867263.47 0.02396
396027.84 3867263.47 0.02384
396002.96 3867263.47 0.02373
395978.08 3867263.47 0.02363
395953.19 3867263.47 0.02348
395928.31 3867263.47 0.02334
395903.43 3867263.47 0.02318
395878.55 3867263.47 0.02300
395853.67 3867263.47 0.02282
395828.79 3867263.47 0.02264
396747.38 3866872.95 0.01875
396770.25 3866882.42 0.01872
396793.13 3866891.90 0.01872
396816.01 3866901.37 0.01871
396838.88 3866910.85 0.01870
396861.76 3866920.32 0.01867
396884.64 3866929.80 0.01862
396907.51 3866939.27 0.01853
396930.39 3866948.75 0.01842
396953.26 3866958.22 0.01835
396976.14 3866967.70 0.01830
396999.02 3866977.18 0.01825
397021.89 3866986.65 0.01819
397044.77 3866996.13 0.01813
397067.65 3867005.60 0.01807
397090.52 3867015.08 0.01801
397113.40 3867024.55 0.01780
397136.28 3867034.03 0.01772
397159.15 3867043.50 0.01760
397182.03 3867052.98 0.01742
397204.91 3867062.45 0.01741
397227.78 3867071.93 0.01730
397250.66 3867081.41 0.01720
397273.54 3867090.88 0.01710
397296.41 3867100.36 0.01701
397319.29 3867109.83 0.01692
397342.16 3867119.31 0.01683
397365.04 3867128.78 0.01675
397387.92 3867138.26 0.01670
397410.79 3867147.73 0.01673
397433.67 3867157.21 0.01677
397456.55 3867166.68 0.01680
397479.42 3867176.16 0.01689
397502.30 3867185.64 0.01700

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397525.18 | 3867195.11 | 0.01713 | 397548.05 | 3867204.59 | 0.01726 |
| 397570.93 | 3867214.06 | 0.01742 | 397593.81 | 3867223.54 | 0.01758 |
| 397616.68 | 3867233.01 | 0.01775 | 397639.56 | 3867242.49 | 0.01793 |
| 397662.44 | 3867251.96 | 0.01812 | 397685.31 | 3867261.44 | 0.01830 |
| 397708.19 | 3867270.91 | 0.01848 | 397731.06 | 3867280.39 | 0.01866 |
| 397753.94 | 3867289.87 | 0.01883 | 397776.82 | 3867299.34 | 0.01898 |
| 397799.69 | 3867308.82 | 0.01911 | 397822.57 | 3867318.29 | 0.01922 |
| 397845.45 | 3867327.77 | 0.01930 | 397868.32 | 3867337.24 | 0.01936 |
| 397891.20 | 3867346.72 | 0.01933 | 397914.08 | 3867356.19 | 0.01930 |
| 397936.95 | 3867365.67 | 0.01925 | 397959.83 | 3867375.14 | 0.01916 |
| 397982.71 | 3867384.62 | 0.01904 | 398005.58 | 3867394.10 | 0.01888 |
| 398028.46 | 3867403.57 | 0.01868 | 398051.34 | 3867413.05 | 0.01843 |
| 398074.21 | 3867422.52 | 0.01812 | 398097.09 | 3867432.00 | 0.01781 |
| 398119.96 | 3867441.47 | 0.01748 | 398142.84 | 3867450.95 | 0.01712 |
| 398165.72 | 3867460.42 | 0.01669 | 398188.59 | 3867469.90 | 0.01627 |
| 398211.47 | 3867479.37 | 0.01585 | 398234.35 | 3867488.85 | 0.01541 |

| | | |
|---|---|---|
| 398257.22 | 3867498.32 | 0.01497 |
| 398289.58 | 3867530.68 | 0.01419 |
| 398299.05 | 3867553.55 | 0.01386 |
| 398308.53 | 3867576.43 | 0.01351 |
| 398318.01 | 3867599.30 | 0.01316 |
| 398327.48 | 3867622.18 | 0.01281 |
| 398336.96 | 3867645.06 | 0.01246 |
| 398346.44 | 3867667.93 | 0.01213 |
| 398355.91 | 3867690.81 | 0.01180 |
| 398365.39 | 3867713.68 | 0.01147 |
| 398374.86 | 3867736.56 | 0.01116 |
| 398384.34 | 3867759.44 | 0.01086 |
| 398393.82 | 3867782.31 | 0.01056 |
| 398403.29 | 3867805.19 | 0.01029 |
| 398412.77 | 3867828.07 | 0.01002 |
| 398422.25 | 3867850.94 | 0.00977 |
| 398431.72 | 3867873.82 | 0.00954 |
| 398441.20 | 3867896.69 | 0.00932 |
| 398450.68 | 3867919.57 | 0.00912 |
| 398460.15 | 3867942.45 | 0.00894 |
| 398469.63 | 3867965.32 | 0.00878 |
| 398479.11 | 3867988.20 | 0.00864 |
| 398488.58 | 3868011.07 | 0.00852 |
| 398498.06 | 3868033.95 | 0.00842 |
| 398507.54 | 3868056.83 | 0.00833 |
| 398517.01 | 3868079.70 | 0.00827 |
| 398526.49 | 3868102.58 | 0.00823 |
| 398535.96 | 3868125.45 | 0.00820 |
| 398545.44 | 3868148.33 | 0.00819 |
| 398554.92 | 3868171.21 | 0.00820 |
| 398564.39 | 3868194.08 | 0.00822 |
| 398573.87 | 3868216.96 | 0.00825 |
| 398583.35 | 3868239.83 | 0.00830 |
| 398592.82 | 3868262.71 | 0.00836 |
| 398602.30 | 3868285.59 | 0.00843 |
| 398611.78 | 3868308.46 | 0.00851 |
| 398621.25 | 3868331.34 | 0.00861 |
| 398630.73 | 3868354.21 | 0.00871 |
| 398640.21 | 3868377.09 | 0.00882 |
| 398649.68 | 3868399.97 | 0.00893 |
| 398659.16 | 3868422.84 | 0.00905 |
| 398668.64 | 3868445.72 | 0.00917 |
| 398678.11 | 3868468.59 | 0.00930 |
| 398687.59 | 3868491.47 | 0.00943 |
| 398697.06 | 3868514.35 | 0.00955 |
| 398706.54 | 3868537.22 | 0.00967 |
| 398716.02 | 3868560.10 | 0.00979 |
| 398725.49 | 3868582.97 | 0.00991 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 398734.97 | 3868605.85 | 0.01003 | 398744.45 | 3868628.73 | 0.01015 |
| 398753.92 | 3868651.60 | 0.01025 | 398763.40 | 3868674.48 | 0.01035 |
| 398772.88 | 3868697.35 | 0.01045 | 398782.35 | 3868720.23 | 0.01054 |
| 398791.83 | 3868743.11 | 0.01062 | 398801.31 | 3868765.98 | 0.01070 |
| 398810.78 | 3868788.86 | 0.01077 | 398820.26 | 3868811.74 | 0.01084 |
| 398829.74 | 3868834.61 | 0.01092 | 398839.21 | 3868857.49 | 0.01100 |
| 398848.69 | 3868880.36 | 0.01108 | 398858.16 | 3868903.24 | 0.01116 |
| 398867.64 | 3868926.12 | 0.01125 | 398877.12 | 3868948.99 | 0.01134 |
| 398886.59 | 3868971.87 | 0.01144 | 398896.07 | 3868994.74 | 0.01154 |
| 398905.55 | 3869017.62 | 0.01165 | 398915.02 | 3869040.50 | 0.01176 |
| 396724.50 | 3866863.47 | 0.01882 | 396699.62 | 3866863.47 | 0.01890 |
| 396674.74 | 3866863.47 | 0.01897 | 396649.86 | 3866863.47 | 0.01903 |
| 396624.98 | 3866863.47 | 0.01909 | 396600.10 | 3866863.47 | 0.01914 |
| 396575.21 | 3866863.47 | 0.01919 | 396550.33 | 3866863.47 | 0.01923 |
| 396525.45 | 3866863.47 | 0.01927 | 396500.57 | 3866863.47 | 0.01931 |
| 396475.69 | 3866863.47 | 0.01934 | 396450.81 | 3866863.47 | 0.01937 |

| | | |
|---|---|---|
| 396425.93 | 3866863.47 | 0.01939 |
| 396401.05 | 3866863.47 | 0.01942 |
| 396376.17 | 3866863.47 | 0.01944 |
| 396351.29 | 3866863.47 | 0.01947 |
| 396326.41 | 3866863.47 | 0.01949 |
| 396301.53 | 3866863.47 | 0.01953 |
| 396276.65 | 3866863.47 | 0.01960 |
| 396251.76 | 3866863.47 | 0.01961 |
| 396226.88 | 3866863.47 | 0.01962 |
| 396202.00 | 3866863.47 | 0.01963 |
| 396177.12 | 3866863.47 | 0.01962 |
| 396152.24 | 3866863.47 | 0.01960 |
| 396127.36 | 3866863.47 | 0.01958 |
| 396102.48 | 3866863.47 | 0.01954 |
| 396077.60 | 3866863.47 | 0.01953 |
| 396052.72 | 3866863.47 | 0.01947 |
| 396027.84 | 3866863.47 | 0.01939 |
| 396002.96 | 3866863.47 | 0.01930 |
| 395978.08 | 3866863.47 | 0.01920 |
| 395953.19 | 3866863.47 | 0.01908 |
| 395928.31 | 3866863.47 | 0.01895 |
| 395903.43 | 3866863.47 | 0.01884 |
| 395878.55 | 3866863.47 | 0.01872 |
| 395853.67 | 3866863.47 | 0.01857 |
| 395828.79 | 3866863.47 | 0.01842 |
| 396747.48 | 3866472.99 | 0.01555 |
| 396770.46 | 3866482.51 | 0.01560 |
| 396793.44 | 3866492.03 | 0.01564 |
| 396816.42 | 3866501.54 | 0.01568 |
| 396839.40 | 3866511.06 | 0.01571 |
| 396862.38 | 3866520.58 | 0.01574 |
| 396885.36 | 3866530.10 | 0.01577 |
| 396908.34 | 3866539.62 | 0.01579 |
| 396931.32 | 3866549.14 | 0.01581 |
| 396954.30 | 3866558.66 | 0.01582 |
| 396977.29 | 3866568.17 | 0.01582 |
| 397000.27 | 3866577.69 | 0.01580 |
| 397023.25 | 3866587.21 | 0.01582 |
| 397046.23 | 3866596.73 | 0.01582 |
| 397069.21 | 3866606.25 | 0.01577 |
| 397092.19 | 3866615.77 | 0.01571 |
| 397115.17 | 3866625.28 | 0.01564 |
| 397138.15 | 3866634.80 | 0.01559 |
| 397161.13 | 3866644.32 | 0.01553 |
| 397184.11 | 3866653.84 | 0.01537 |
| 397207.09 | 3866663.36 | 0.01530 |
| 397230.07 | 3866672.88 | 0.01519 |
| 397253.05 | 3866682.40 | 0.01507 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397276.03 | 3866691.91 | 0.01495 | 397299.01 | 3866701.43 | 0.01480 |
| 397321.99 | 3866710.95 | 0.01465 | 397344.97 | 3866720.47 | 0.01454 |
| 397367.95 | 3866729.99 | 0.01445 | 397390.93 | 3866739.51 | 0.01437 |
| 397413.91 | 3866749.03 | 0.01426 | 397436.89 | 3866758.54 | 0.01416 |
| 397459.87 | 3866768.06 | 0.01406 | 397482.86 | 3866777.58 | 0.01399 |
| 397505.84 | 3866787.10 | 0.01395 | 397528.82 | 3866796.62 | 0.01393 |
| 397551.80 | 3866806.14 | 0.01391 | 397574.78 | 3866815.66 | 0.01390 |
| 397597.76 | 3866825.17 | 0.01393 | 397620.74 | 3866834.69 | 0.01399 |
| 397643.72 | 3866844.21 | 0.01404 | 397666.70 | 3866853.73 | 0.01411 |
| 397689.68 | 3866863.25 | 0.01422 | 397712.66 | 3866872.77 | 0.01431 |
| 397735.64 | 3866882.28 | 0.01444 | 397758.62 | 3866891.80 | 0.01460 |
| 397781.60 | 3866901.32 | 0.01477 | 397804.58 | 3866910.84 | 0.01493 |
| 397827.56 | 3866920.36 | 0.01514 | 397850.54 | 3866929.88 | 0.01533 |
| 397873.52 | 3866939.40 | 0.01553 | 397896.50 | 3866948.91 | 0.01573 |
| 397919.48 | 3866958.43 | 0.01593 | 397942.46 | 3866967.95 | 0.01611 |
| 397965.44 | 3866977.47 | 0.01628 | 397988.43 | 3866986.99 | 0.01640 |

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|---|---|---|---|---|---|
| | 398011.41 | 3866996.51 | 0.01654 | | |
| 398034.39 | 3867006.03 | 0.01663 | | | |
| | 398057.37 | 3867015.54 | 0.01670 | | |
| 398080.35 | 3867025.06 | 0.01677 | | | |
| | 398103.33 | 3867034.58 | 0.01677 | | |
| 398126.31 | 3867044.10 | 0.01678 | | | |
| | 398149.29 | 3867053.62 | 0.01674 | | |
| 398172.27 | 3867063.14 | 0.01665 | | | |
| | 398195.25 | 3867072.66 | 0.01653 | | |
| 398218.23 | 3867082.17 | 0.01643 | | | |
| | 398241.21 | 3867091.69 | 0.01631 | | |
| 398264.19 | 3867101.21 | 0.01616 | | | |
| | 398287.17 | 3867110.73 | 0.01598 | | |
| 398310.15 | 3867120.25 | 0.01578 | | | |
| | 398333.13 | 3867129.77 | 0.01557 | | |
| 398356.11 | 3867139.28 | 0.01534 | | | |
| | 398379.09 | 3867148.80 | 0.01504 | | |
| 398402.07 | 3867158.32 | 0.01471 | | | |
| | 398425.05 | 3867167.84 | 0.01438 | | |
| 398448.03 | 3867177.36 | 0.01404 | | | |
| | 398471.01 | 3867186.88 | 0.01369 | | |
| 398494.00 | 3867196.40 | 0.01333 | | | |
| | 398516.98 | 3867205.91 | 0.01296 | | |
| 398539.96 | 3867215.43 | 0.01259 | | | |
| | 398572.46 | 3867247.93 | 0.01190 | | |
| 398581.98 | 3867270.91 | 0.01160 | | | |
| | 398591.50 | 3867293.89 | 0.01132 | | |
| 398601.01 | 3867316.87 | 0.01103 | | | |
| | 398610.53 | 3867339.85 | 0.01075 | | |
| 398620.05 | 3867362.83 | 0.01046 | | | |
| | 398629.57 | 3867385.81 | 0.01017 | | |
| 398639.09 | 3867408.79 | 0.00989 | | | |
| | 398648.61 | 3867431.77 | 0.00960 | | |
| 398658.13 | 3867454.75 | 0.00934 | | | |
| | 398667.65 | 3867477.73 | 0.00908 | | |
| 398677.17 | 3867500.71 | 0.00883 | | | |
| | 398686.69 | 3867523.69 | 0.00860 | | |
| 398696.21 | 3867546.67 | 0.00837 | | | |
| | 398705.73 | 3867569.65 | 0.00815 | | |
| 398715.25 | 3867592.63 | 0.00795 | | | |
| | 398724.77 | 3867615.61 | 0.00776 | | |
| 398734.29 | 3867638.59 | 0.00758 | | | |
| | 398743.81 | 3867661.57 | 0.00741 | | |
| 398753.33 | 3867684.55 | 0.00726 | | | |
| | 398762.85 | 3867707.53 | 0.00712 | | |
| 398772.37 | 3867730.51 | 0.00698 | | | |
| | 398781.89 | 3867753.49 | 0.00686 | | |
| 398791.41 | 3867776.47 | 0.00676 | | | |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 398800.93 | 3867799.45 | 0.00668 | 398810.44 | 3867822.43 | 0.00661 |
| 398819.96 | 3867845.41 | 0.00655 | 398829.48 | 3867868.39 | 0.00650 |
| 398839.00 | 3867891.37 | 0.00646 | 398848.52 | 3867914.35 | 0.00644 |
| 398858.04 | 3867937.33 | 0.00643 | 398867.56 | 3867960.31 | 0.00644 |
| 398877.08 | 3867983.29 | 0.00645 | 398886.60 | 3868006.27 | 0.00648 |
| 398896.12 | 3868029.25 | 0.00651 | 398905.64 | 3868052.23 | 0.00655 |
| 398915.16 | 3868075.21 | 0.00660 | 398924.68 | 3868098.19 | 0.00664 |
| 398934.20 | 3868121.17 | 0.00671 | 398943.72 | 3868144.15 | 0.00677 |
| 398953.24 | 3868167.13 | 0.00685 | 398962.76 | 3868190.11 | 0.00693 |
| 398972.28 | 3868213.09 | 0.00701 | 398981.80 | 3868236.07 | 0.00710 |
| 398991.32 | 3868259.05 | 0.00719 | 399000.84 | 3868282.03 | 0.00727 |
| 399010.36 | 3868305.01 | 0.00737 | 399019.87 | 3868327.99 | 0.00747 |
| 399029.39 | 3868350.97 | 0.00757 | 399038.91 | 3868373.95 | 0.00767 |
| 399048.43 | 3868396.93 | 0.00776 | 399057.95 | 3868419.91 | 0.00786 |
| 399067.47 | 3868442.89 | 0.00796 | 399076.99 | 3868465.87 | 0.00806 |
| 399086.51 | 3868488.85 | 0.00815 | 399096.03 | 3868511.83 | 0.00824 |

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|---|---|---|---|---|---|
| 399105.55 | 3868534.81 | 0.00833 | 399115.07 | 3868557.79 | 0.00841 |
| 399124.59 | 3868580.77 | 0.00848 | 399134.11 | 3868603.75 | 0.00855 |
| 399143.63 | 3868626.73 | 0.00861 | 399153.15 | 3868649.71 | 0.00866 |
| 399162.67 | 3868672.69 | 0.00871 | 399172.19 | 3868695.67 | 0.00875 |
| 399181.71 | 3868718.65 | 0.00878 | 399191.23 | 3868741.63 | 0.00882 |
| 399200.75 | 3868764.61 | 0.00886 | 399210.27 | 3868787.59 | 0.00888 |
| 399219.79 | 3868810.57 | 0.00892 | 399229.30 | 3868833.55 | 0.00895 |
| 399238.82 | 3868856.53 | 0.00898 | 399248.34 | 3868879.51 | 0.00902 |
| 399257.86 | 3868902.49 | 0.00905 | 399267.38 | 3868925.47 | 0.00910 |
| 399276.90 | 3868948.45 | 0.00915 | 399286.42 | 3868971.43 | 0.00921 |
| 399295.94 | 3868994.41 | 0.00927 | 399305.46 | 3869017.39 | 0.00934 |
| 399314.98 | 3869040.37 | 0.00941 | 396724.50 | 3866463.47 | 0.01551 |
| 396699.62 | 3866463.47 | 0.01553 | 396674.74 | 3866463.47 | 0.01555 |
| 396649.86 | 3866463.47 | 0.01557 | 396624.98 | 3866463.47 | 0.01559 |
| 396600.10 | 3866463.47 | 0.01562 | 396575.21 | 3866463.47 | 0.01564 |
| 396550.33 | 3866463.47 | 0.01567 | 396525.45 | 3866463.47 | 0.01570 |
| 396500.57 | 3866463.47 | 0.01574 | 396475.69 | 3866463.47 | 0.01578 |
| 396450.81 | 3866463.47 | 0.01582 | 396425.93 | 3866463.47 | 0.01588 |
| 396401.05 | 3866463.47 | 0.01593 | 396376.17 | 3866463.47 | 0.01599 |
| 396351.29 | 3866463.47 | 0.01605 | 396326.41 | 3866463.47 | 0.01612 |
| 396301.53 | 3866463.47 | 0.01618 | 396276.65 | 3866463.47 | 0.01624 |
| 396251.76 | 3866463.47 | 0.01629 | 396226.88 | 3866463.47 | 0.01633 |
| 396202.00 | 3866463.47 | 0.01637 | 396177.12 | 3866463.47 | 0.01640 |
| 396152.24 | 3866463.47 | 0.01642 | 396127.36 | 3866463.47 | 0.01644 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396102.48 | 3866463.47 | 0.01645 | 396077.60 | 3866463.47 | 0.01643 |
| 396052.72 | 3866463.47 | 0.01640 | 396027.84 | 3866463.47 | 0.01635 |
| 396002.96 | 3866463.47 | 0.01629 | 395978.08 | 3866463.47 | 0.01623 |
| 395953.19 | 3866463.47 | 0.01615 | 395928.31 | 3866463.47 | 0.01608 |
| 395903.43 | 3866463.47 | 0.01598 | 395878.55 | 3866463.47 | 0.01587 |
| 395853.67 | 3866463.47 | 0.01576 | 395828.79 | 3866463.47 | 0.01564 |
| 395803.79 | 3869063.41 | 0.33778 | 395803.73 | 3869088.30 | 0.36156 |
| 395803.66 | 3869113.19 | 0.37506 | 395803.60 | 3869138.08 | 0.38284 |
| 395803.54 | 3869162.97 | 0.38832 | 395803.48 | 3869187.86 | 0.39218 |
| 395803.41 | 3869212.75 | 0.39471 | 395803.35 | 3869237.64 | 0.39637 |
| 395803.29 | 3869262.53 | 0.39732 | 395803.23 | 3869287.42 | 0.39761 |
| 395803.16 | 3869312.31 | 0.39728 | 395803.10 | 3869337.20 | 0.39650 |
| 395803.04 | 3869362.09 | 0.39534 | 395802.97 | 3869386.98 | 0.39379 |
| 395802.91 | 3869411.87 | 0.39199 | 395802.85 | 3869436.76 | 0.38974 |
| 395802.79 | 3869461.65 | 0.38690 | 395802.72 | 3869486.54 | 0.38344 |
| 395802.66 | 3869511.43 | 0.37962 | 395802.60 | 3869536.32 | 0.37540 |

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|---|---|---|
| 395802.53 | 3869561.21 | 0.37073 |
| 395802.47 | 3869586.10 | 0.36564 |
| 395802.41 | 3869610.99 | 0.35652 |
| 395802.35 | 3869635.88 | 0.34753 |
| 395802.28 | 3869660.77 | 0.34071 |
| 395802.22 | 3869685.66 | 0.33294 |
| 395802.16 | 3869710.55 | 0.32492 |
| 395802.10 | 3869735.44 | 0.31589 |
| 395802.03 | 3869760.33 | 0.30576 |
| 395801.97 | 3869785.23 | 0.29431 |
| 395801.91 | 3869810.12 | 0.28132 |
| 395801.84 | 3869835.01 | 0.26609 |
| 395801.78 | 3869859.90 | 0.24450 |
| 395801.72 | 3869884.79 | 0.22173 |
| 395801.66 | 3869909.68 | 0.19402 |
| 395801.59 | 3869934.57 | 0.15899 |
| 395801.53 | 3869959.46 | 0.12134 |
| 395786.13 | 3869045.71 | 0.26548 |
| 395778.73 | 3869088.23 | 0.27745 |
| 395778.66 | 3869113.12 | 0.28570 |
| 395778.60 | 3869138.01 | 0.29120 |
| 395778.54 | 3869162.91 | 0.29503 |
| 395778.48 | 3869187.80 | 0.29766 |
| 395778.41 | 3869212.69 | 0.29938 |
| 395778.35 | 3869237.58 | 0.30042 |
| 395778.29 | 3869262.47 | 0.30083 |
| 395778.23 | 3869287.36 | 0.30077 |
| 395778.16 | 3869312.25 | 0.30024 |
| 395778.10 | 3869337.14 | 0.29931 |
| 395778.04 | 3869362.03 | 0.29802 |
| 395777.97 | 3869386.92 | 0.29632 |
| 395777.91 | 3869411.81 | 0.29430 |
| 395777.85 | 3869436.70 | 0.29195 |
| 395777.79 | 3869461.59 | 0.28921 |
| 395777.72 | 3869486.48 | 0.28612 |
| 395777.66 | 3869511.37 | 0.28271 |
| 395777.60 | 3869536.26 | 0.27883 |
| 395777.53 | 3869561.15 | 0.27239 |
| 395777.47 | 3869586.04 | 0.26747 |
| 395777.41 | 3869610.93 | 0.26192 |
| 395777.35 | 3869635.82 | 0.25599 |
| 395777.28 | 3869660.71 | 0.24995 |
| 395777.22 | 3869685.60 | 0.24338 |
| 395777.16 | 3869710.49 | 0.23610 |
| 395777.10 | 3869735.38 | 0.22810 |
| 395777.03 | 3869760.27 | 0.21918 |
| 395776.97 | 3869785.16 | 0.20931 |
| 395776.91 | 3869810.05 | 0.19785 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395776.84 | 3869834.94 | 0.18356 | 395776.78 | 3869859.83 | 0.16867 |
| 395776.72 | 3869884.72 | 0.15200 | 395776.66 | 3869909.61 | 0.13307 |
| 395776.59 | 3869934.50 | 0.11237 | 395776.53 | 3869959.39 | 0.09321 |
| 395761.13 | 3869045.64 | 0.22274 | 395793.48 | 3869003.07 | 0.23213 |
| 395753.73 | 3869088.17 | 0.22825 | 395753.66 | 3869113.06 | 0.23377 |
| 395753.60 | 3869137.95 | 0.23762 | 395753.54 | 3869162.84 | 0.24029 |
| 395753.48 | 3869187.73 | 0.24211 | 395753.41 | 3869212.62 | 0.24325 |
| 395753.35 | 3869237.51 | 0.24385 | 395753.29 | 3869262.40 | 0.24398 |
| 395753.23 | 3869287.29 | 0.24370 | 395753.16 | 3869312.18 | 0.24302 |
| 395753.10 | 3869337.07 | 0.24202 | 395753.04 | 3869361.96 | 0.24068 |
| 395752.97 | 3869386.85 | 0.23901 | 395752.91 | 3869411.74 | 0.23704 |
| 395752.85 | 3869436.64 | 0.23475 | 395752.79 | 3869461.53 | 0.23214 |
| 395752.72 | 3869486.42 | 0.22870 | 395752.66 | 3869511.31 | 0.22458 |
| 395752.60 | 3869536.20 | 0.22100 | 395752.53 | 3869561.09 | 0.21622 |
| 395752.47 | 3869585.98 | 0.21184 | 395752.41 | 3869610.87 | 0.20720 |
| 395752.35 | 3869635.76 | 0.20215 | 395752.28 | 3869660.65 | 0.19663 |

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|---|---|---|
| 395752.22 | 3869685.54 | 0.19063 |
| 395752.16 | 3869710.43 | 0.18409 |
| 395752.10 | 3869735.32 | 0.17693 |
| 395752.03 | 3869760.21 | 0.16906 |
| 395751.97 | 3869785.10 | 0.16009 |
| 395751.91 | 3869809.99 | 0.14979 |
| 395751.84 | 3869834.88 | 0.13878 |
| 395751.78 | 3869859.77 | 0.12729 |
| 395751.72 | 3869884.66 | 0.11473 |
| 395751.66 | 3869909.55 | 0.10138 |
| 395751.59 | 3869934.44 | 0.08813 |
| 395751.53 | 3869959.33 | 0.07639 |
| 395736.13 | 3869045.58 | 0.19263 |
| 395750.82 | 3869010.31 | 0.19257 |
| 395775.82 | 3868985.37 | 0.20024 |
| 395728.73 | 3869088.11 | 0.19536 |
| 395728.66 | 3869113.00 | 0.19921 |
| 395728.60 | 3869137.89 | 0.20150 |
| 395728.54 | 3869162.78 | 0.20321 |
| 395728.48 | 3869187.67 | 0.20439 |
| 395728.41 | 3869212.56 | 0.20505 |
| 395728.35 | 3869237.45 | 0.20529 |
| 395728.29 | 3869262.34 | 0.20514 |
| 395728.23 | 3869287.23 | 0.20514 |
| 395728.16 | 3869312.12 | 0.20450 |
| 395728.10 | 3869337.01 | 0.20338 |
| 395728.04 | 3869361.90 | 0.20183 |
| 395727.97 | 3869386.79 | 0.19958 |
| 395727.91 | 3869411.68 | 0.19761 |
| 395727.85 | 3869436.57 | 0.19539 |
| 395727.79 | 3869461.46 | 0.19288 |
| 395727.72 | 3869486.35 | 0.18969 |
| 395727.66 | 3869511.24 | 0.18593 |
| 395727.60 | 3869536.13 | 0.18257 |
| 395727.53 | 3869561.02 | 0.17889 |
| 395727.47 | 3869585.91 | 0.17491 |
| 395727.41 | 3869610.80 | 0.17059 |
| 395727.35 | 3869635.69 | 0.16591 |
| 395727.28 | 3869660.58 | 0.16083 |
| 395727.22 | 3869685.47 | 0.15535 |
| 395727.16 | 3869710.37 | 0.14942 |
| 395727.10 | 3869735.26 | 0.14263 |
| 395727.03 | 3869760.15 | 0.13551 |
| 395726.97 | 3869785.04 | 0.12783 |
| 395726.91 | 3869809.93 | 0.11930 |
| 395726.84 | 3869834.82 | 0.11068 |
| 395726.78 | 3869859.71 | 0.10148 |
| 395726.72 | 3869884.60 | 0.09186 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395726.66 | 3869909.49 | 0.08219 | 395726.59 | 3869934.38 | 0.07305 |
| 395726.53 | 3869959.27 | 0.06497 | 395687.60 | 3869041.93 | 0.15204 |
| 395696.42 | 3869020.76 | 0.15414 | 395705.23 | 3868999.60 | 0.15470 |
| 395714.04 | 3868978.43 | 0.15397 | 395744.04 | 3868948.51 | 0.16001 |
| 395765.23 | 3868939.75 | 0.16756 | 395786.42 | 3868930.99 | 0.17504 |
| 395807.60 | 3868922.23 | 0.18130 | 395678.79 | 3869063.09 | 0.14881 |
| 395678.73 | 3869087.98 | 0.15136 | 395678.66 | 3869112.87 | 0.15323 |
| 395678.60 | 3869137.76 | 0.15455 | 395678.54 | 3869162.65 | 0.15541 |
| 395678.48 | 3869187.54 | 0.15585 | 395678.41 | 3869212.43 | 0.15591 |
| 395678.35 | 3869237.32 | 0.15566 | 395678.29 | 3869262.21 | 0.15514 |
| 395678.23 | 3869287.10 | 0.15437 | 395678.16 | 3869311.99 | 0.15334 |
| 395678.10 | 3869336.88 | 0.15210 | 395678.04 | 3869361.78 | 0.15062 |
| 395677.97 | 3869386.67 | 0.14892 | 395677.91 | 3869411.56 | 0.14701 |
| 395677.85 | 3869436.45 | 0.14488 | 395677.79 | 3869461.34 | 0.14253 |
| 395677.72 | 3869486.23 | 0.13995 | 395677.66 | 3869511.12 | 0.13715 |
| 395677.60 | 3869536.01 | 0.13412 | 395677.53 | 3869560.90 | 0.13084 |

395677.47 3869585.79 0.12734
395677.41 3869610.68 0.12356
395677.35 3869635.57 0.11951
395677.28 3869660.46 0.11509
395677.22 3869685.35 0.10985
395677.16 3869710.24 0.10510
395677.10 3869735.13 0.10007
395677.03 3869760.02 0.09478
395676.97 3869784.91 0.08923
395676.91 3869809.80 0.08345
395676.84 3869834.69 0.07747
395676.78 3869859.58 0.07145
395676.72 3869884.47 0.06555
395676.66 3869909.36 0.05993
395676.59 3869934.25 0.05463
395676.53 3869959.14 0.04979
395637.18 3869042.81 0.12467
395653.97 3869002.50 0.12839
395670.76 3868962.18 0.12929
395707.72 3868913.53 0.13281
395748.08 3868896.84 0.14328
395788.43 3868880.16 0.15231
395628.73 3869087.86 0.12371
395628.67 3869112.75 0.12462
395628.60 3869137.64 0.12517
395628.54 3869162.53 0.12543
395628.48 3869187.42 0.12543
395628.41 3869212.31 0.12516
395628.35 3869237.20 0.12465
395628.29 3869262.09 0.12391
395628.23 3869286.98 0.12296
395628.16 3869311.87 0.12182
395628.10 3869336.76 0.12050
395628.04 3869361.65 0.11900
395627.97 3869386.54 0.11733
395627.91 3869411.43 0.11549
395627.85 3869436.32 0.11347
395627.79 3869461.21 0.11129
395627.72 3869486.10 0.10892
395627.66 3869510.99 0.10639
395627.60 3869535.88 0.10368
395627.54 3869560.77 0.10037
395627.47 3869585.66 0.09725
395627.41 3869610.55 0.09396
395627.35 3869635.44 0.09052
395627.28 3869660.33 0.08700
395627.22 3869685.22 0.08333
395627.16 3869710.11 0.07952

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395627.10 | 3869735.00 | 0.07556 | 395627.03 | 3869759.89 | 0.07145 |
| 395626.97 | 3869784.78 | 0.06725 | 395626.91 | 3869809.67 | 0.06301 |
| 395626.84 | 3869834.56 | 0.05879 | 395626.78 | 3869859.45 | 0.05472 |
| 395626.72 | 3869884.34 | 0.05067 | 395626.66 | 3869909.24 | 0.04692 |
| 395626.59 | 3869934.13 | 0.04355 | 395626.53 | 3869959.02 | 0.04055 |
| 395587.97 | 3869040.79 | 0.10542 | 395597.15 | 3869018.75 | 0.10732 |
| 395606.33 | 3868996.70 | 0.10885 | 395615.51 | 3868974.65 | 0.10995 |
| 395624.69 | 3868952.61 | 0.11085 | 395633.87 | 3868930.56 | 0.11114 |
| 395643.06 | 3868908.52 | 0.11066 | 395674.31 | 3868877.35 | 0.11416 |
| 395696.37 | 3868868.22 | 0.11856 | 395718.44 | 3868859.10 | 0.12285 |
| 395740.51 | 3868849.97 | 0.12666 | 395762.58 | 3868840.85 | 0.13038 |
| 395784.65 | 3868831.72 | 0.13389 | 395806.72 | 3868822.60 | 0.13710 |
| 395578.79 | 3869062.84 | 0.10320 | 395578.73 | 3869087.73 | 0.10383 |
| 395578.67 | 3869112.62 | 0.10418 | 395578.60 | 3869137.51 | 0.10427 |
| 395578.54 | 3869162.40 | 0.10414 | 395578.48 | 3869187.29 | 0.10383 |
| 395578.41 | 3869212.18 | 0.10333 | 395578.35 | 3869237.07 | 0.10266 |

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|---|---|---|
| 395578.29 | 3869261.96 | 0.10181 |
| 395578.23 | 3869286.85 | 0.10079 |
| 395578.16 | 3869311.74 | 0.09960 |
| 395578.10 | 3869336.63 | 0.09826 |
| 395578.04 | 3869361.52 | 0.09674 |
| 395577.97 | 3869386.41 | 0.09495 |
| 395577.91 | 3869411.30 | 0.09320 |
| 395577.85 | 3869436.19 | 0.09134 |
| 395577.79 | 3869461.08 | 0.08916 |
| 395577.72 | 3869485.97 | 0.08688 |
| 395577.66 | 3869510.86 | 0.08465 |
| 395577.60 | 3869535.75 | 0.08230 |
| 395577.54 | 3869560.65 | 0.07983 |
| 395577.47 | 3869585.54 | 0.07725 |
| 395577.41 | 3869610.43 | 0.07456 |
| 395577.35 | 3869635.32 | 0.07176 |
| 395577.28 | 3869660.21 | 0.06886 |
| 395577.22 | 3869685.10 | 0.06586 |
| 395577.16 | 3869709.99 | 0.06277 |
| 395577.10 | 3869734.88 | 0.05961 |
| 395577.03 | 3869759.77 | 0.05640 |
| 395576.97 | 3869784.66 | 0.05320 |
| 395576.91 | 3869809.55 | 0.05004 |
| 395576.84 | 3869834.44 | 0.04691 |
| 395576.78 | 3869859.33 | 0.04390 |
| 395576.72 | 3869884.22 | 0.04117 |
| 395576.66 | 3869909.11 | 0.03864 |
| 395576.59 | 3869934.00 | 0.03629 |
| 395576.53 | 3869958.89 | 0.03414 |
| 395504.36 | 3869041.25 | 0.08217 |
| 395513.26 | 3869019.87 | 0.08386 |
| 395522.17 | 3868998.50 | 0.08539 |
| 395531.07 | 3868977.12 | 0.08672 |
| 395539.97 | 3868955.74 | 0.08783 |
| 395548.87 | 3868934.36 | 0.08868 |
| 395557.78 | 3868912.98 | 0.08925 |
| 395566.68 | 3868891.60 | 0.08959 |
| 395575.58 | 3868870.23 | 0.08968 |
| 395584.48 | 3868848.85 | 0.08947 |
| 395614.79 | 3868818.62 | 0.09185 |
| 395636.19 | 3868809.77 | 0.09474 |
| 395657.59 | 3868800.93 | 0.09764 |
| 395678.99 | 3868792.08 | 0.10031 |
| 395700.39 | 3868783.23 | 0.10282 |
| 395721.79 | 3868774.38 | 0.10522 |
| 395743.19 | 3868765.53 | 0.10754 |
| 395764.59 | 3868756.68 | 0.10977 |
| 395785.99 | 3868747.83 | 0.11143 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395807.39 | 3868738.99 | 0.11307 | 395495.46 | 3869062.63 | 0.08027 |
| 395495.39 | 3869087.52 | 0.08028 | 395495.33 | 3869112.41 | 0.08013 |
| 395495.27 | 3869137.30 | 0.07981 | 395495.21 | 3869162.19 | 0.07915 |
| 395495.14 | 3869187.08 | 0.07838 | 395495.08 | 3869211.97 | 0.07766 |
| 395495.02 | 3869236.86 | 0.07684 | 395494.96 | 3869261.75 | 0.07591 |
| 395494.89 | 3869286.64 | 0.07488 | 395494.83 | 3869311.53 | 0.07375 |
| 395494.77 | 3869336.42 | 0.07252 | 395494.70 | 3869361.31 | 0.07118 |
| 395494.64 | 3869386.20 | 0.06976 | 395494.58 | 3869411.09 | 0.06825 |
| 395494.52 | 3869435.98 | 0.06667 | 395494.45 | 3869460.87 | 0.06502 |
| 395494.39 | 3869485.76 | 0.06330 | 395494.33 | 3869510.65 | 0.06152 |
| 395494.26 | 3869535.54 | 0.05967 | 395494.20 | 3869560.43 | 0.05776 |
| 395494.14 | 3869585.33 | 0.05578 | 395494.08 | 3869610.22 | 0.05371 |
| 395494.01 | 3869635.11 | 0.05159 | 395493.95 | 3869660.00 | 0.04944 |
| 395493.89 | 3869684.89 | 0.04726 | 395493.83 | 3869709.78 | 0.04490 |
| 395493.76 | 3869734.67 | 0.04271 | 395493.70 | 3869759.56 | 0.04061 |
| 395493.64 | 3869784.45 | 0.03859 | 395493.57 | 3869809.34 | 0.03665 |

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|---|---|---|---|---|---|
| | 395493.51 | 3869834.23 | 0.03480 | | |
| 395493.45 | 3869859.12 | 0.03304 | | | |
| | 395493.39 | 3869884.01 | 0.03137 | | |
| 395493.32 | 3869908.90 | 0.02979 | | | |
| | 395493.26 | 3869933.79 | 0.02831 | | |
| 395493.20 | 3869958.68 | 0.02692 | | | |
| | 395421.54 | 3869039.81 | 0.06566 | | |
| 395430.96 | 3869017.20 | 0.06724 | | | |
| | 395440.37 | 3868994.58 | 0.06872 | | |
| 395449.79 | 3868971.97 | 0.07017 | | | |
| | 395459.21 | 3868949.36 | 0.07149 | | |
| 395468.62 | 3868926.75 | 0.07265 | | | |
| | 395478.04 | 3868904.14 | 0.07354 | | |
| 395487.45 | 3868881.53 | 0.07420 | | | |
| | 395496.87 | 3868858.92 | 0.07464 | | |
| 395506.29 | 3868836.31 | 0.07482 | | | |
| | 395515.70 | 3868813.69 | 0.07478 | | |
| 395525.12 | 3868791.08 | 0.07454 | | | |
| | 395557.17 | 3868759.11 | 0.07671 | | |
| 395579.80 | 3868749.75 | 0.07896 | | | |
| | 395602.44 | 3868740.39 | 0.08121 | | |
| 395625.07 | 3868731.03 | 0.08335 | | | |
| | 395647.71 | 3868721.68 | 0.08526 | | |
| 395670.34 | 3868712.32 | 0.08710 | | | |
| | 395692.98 | 3868702.96 | 0.08868 | | |
| 395715.61 | 3868693.60 | 0.09001 | | | |
| | 395738.25 | 3868684.24 | 0.09165 | | |
| 395760.88 | 3868674.88 | 0.09278 | | | |
| | 395783.52 | 3868665.52 | 0.09405 | | |
| 395806.15 | 3868656.16 | 0.09535 | | | |
| | 395412.12 | 3869062.42 | 0.06398 | | |
| 395412.06 | 3869087.31 | 0.06371 | | | |
| | 395412.00 | 3869112.20 | 0.06332 | | |
| 395411.94 | 3869137.09 | 0.06283 | | | |
| | 395411.87 | 3869161.98 | 0.06222 | | |
| 395411.81 | 3869186.87 | 0.06151 | | | |
| | 395411.75 | 3869211.76 | 0.06072 | | |
| 395411.69 | 3869236.65 | 0.05987 | | | |
| | 395411.62 | 3869261.54 | 0.05895 | | |
| 395411.56 | 3869286.43 | 0.05798 | | | |
| | 395411.50 | 3869311.32 | 0.05696 | | |
| 395411.43 | 3869336.21 | 0.05579 | | | |
| | 395411.37 | 3869361.10 | 0.05450 | | |
| 395411.31 | 3869385.99 | 0.05331 | | | |
| | 395411.25 | 3869410.88 | 0.05207 | | |
| 395411.18 | 3869435.77 | 0.05076 | | | |
| | 395411.12 | 3869460.66 | 0.04941 | | |
| 395411.06 | 3869485.55 | 0.04801 | | | |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395410.99 | 3869510.44 | 0.04657 | 395410.93 | 3869535.33 | 0.04508 |
| 395410.87 | 3869560.22 | 0.04356 | 395410.81 | 3869585.11 | 0.04200 |
| 395410.74 | 3869610.01 | 0.04042 | 395410.68 | 3869634.90 | 0.03884 |
| 395410.62 | 3869659.79 | 0.03727 | 395410.56 | 3869684.68 | 0.03572 |
| 395410.49 | 3869709.57 | 0.03422 | 395410.43 | 3869734.46 | 0.03277 |
| 395410.37 | 3869759.35 | 0.03137 | 395410.30 | 3869784.24 | 0.03004 |
| 395410.24 | 3869809.13 | 0.02876 | 395410.18 | 3869834.02 | 0.02753 |
| 395410.12 | 3869858.91 | 0.02625 | 395410.05 | 3869883.80 | 0.02510 |
| 395409.99 | 3869908.69 | 0.02402 | 395409.93 | 3869933.58 | 0.02300 |
| 395409.86 | 3869958.47 | 0.02204 | 395337.97 | 3869040.16 | 0.05364 |
| 395347.15 | 3869018.12 | 0.05499 | 395356.33 | 3868996.07 | 0.05629 |
| 395365.51 | 3868974.02 | 0.05752 | 395374.70 | 3868951.98 | 0.05868 |
| 395383.88 | 3868929.93 | 0.05976 | 395393.06 | 3868907.89 | 0.06074 |
| 395402.24 | 3868885.84 | 0.06162 | 395411.42 | 3868863.79 | 0.06236 |
| 395420.60 | 3868841.75 | 0.06297 | 395429.78 | 3868819.70 | 0.06353 |
| 395438.96 | 3868797.66 | 0.06389 | 395448.14 | 3868775.61 | 0.06399 |

395457.32 3868753.56 0.06394
395466.50 3868731.52 0.06377
395497.75 3868700.35 0.06539
395519.82 3868691.22 0.06713
395541.89 3868682.10 0.06879
395563.96 3868672.97 0.07041
395586.03 3868663.85 0.07199
395608.10 3868654.72 0.07336
395630.17 3868645.60 0.07468
395652.24 3868636.47 0.07589
395674.31 3868627.35 0.07676
395696.37 3868618.22 0.07786
395718.44 3868609.10 0.07901
395740.51 3868599.97 0.08011
395762.58 3868590.85 0.08079
395784.65 3868581.72 0.08164
395806.72 3868572.60 0.08250
395328.79 3869062.21 0.05224
395328.73 3869087.10 0.05185
395328.67 3869111.99 0.05138
395328.60 3869136.88 0.05084
395328.54 3869161.77 0.05021
395328.48 3869186.66 0.04947
395328.41 3869211.55 0.04860
395328.35 3869236.44 0.04774
395328.29 3869261.33 0.04689
395328.23 3869286.22 0.04601
395328.16 3869311.11 0.04509
395328.10 3869336.00 0.04414
395328.04 3869360.89 0.04317
395327.98 3869385.78 0.04216
395327.91 3869410.67 0.04111
395327.85 3869435.56 0.04003
395327.79 3869460.45 0.03890
395327.72 3869485.34 0.03774
395327.66 3869510.23 0.03656
395327.60 3869535.12 0.03535
395327.54 3869560.01 0.03413
395327.47 3869584.90 0.03292
395327.41 3869609.80 0.03172
395327.35 3869634.69 0.03055
395327.28 3869659.58 0.02941
395327.22 3869684.47 0.02832
395327.16 3869709.36 0.02728
395327.10 3869734.25 0.02628
395327.03 3869759.14 0.02528
395326.97 3869784.03 0.02432
395326.91 3869808.92 0.02342

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395326.85 | 3869833.81 | 0.02254 | 395326.78 | 3869858.70 | 0.02171 |
| 395326.72 | 3869883.59 | 0.02090 | 395326.66 | 3869908.48 | 0.02012 |
| 395326.59 | 3869933.37 | 0.01937 | 395326.53 | 3869958.26 | 0.01866 |
| 395087.97 | 3869039.53 | 0.03204 | 395097.15 | 3869017.49 | 0.03291 |
| 395106.33 | 3868995.44 | 0.03370 | 395115.52 | 3868973.39 | 0.03456 |
| 395124.70 | 3868951.35 | 0.03538 | 395133.88 | 3868929.30 | 0.03614 |
| 395143.06 | 3868907.26 | 0.03692 | 395152.24 | 3868885.21 | 0.03777 |
| 395161.42 | 3868863.16 | 0.03855 | 395170.60 | 3868841.12 | 0.03927 |
| 395179.78 | 3868819.07 | 0.03995 | 395188.96 | 3868797.02 | 0.04059 |
| 395198.14 | 3868774.98 | 0.04117 | 395207.32 | 3868752.93 | 0.04170 |
| 395216.50 | 3868730.89 | 0.04216 | 395225.68 | 3868708.84 | 0.04255 |
| 395234.86 | 3868686.79 | 0.04286 | 395244.04 | 3868664.75 | 0.04315 |
| 395253.23 | 3868642.70 | 0.04334 | 395262.41 | 3868620.66 | 0.04344 |
| 395271.59 | 3868598.61 | 0.04345 | 395280.77 | 3868576.56 | 0.04340 |
| 395289.95 | 3868554.52 | 0.04332 | 395321.20 | 3868523.35 | 0.04414 |
| 395343.27 | 3868514.22 | 0.04518 | 395365.34 | 3868505.10 | 0.04613 |

395387.41 3868495.97 0.04704
395409.48 3868486.85 0.04793
395431.54 3868477.72 0.04888
395453.61 3868468.60 0.04971
395475.68 3868459.47 0.05047
395497.75 3868450.35 0.05117
395519.82 3868441.22 0.05177
395541.89 3868432.10 0.05234
395563.96 3868422.97 0.05283
395586.03 3868413.85 0.05316
395608.10 3868404.72 0.05364
395630.17 3868395.60 0.05414
395652.24 3868386.47 0.05455
395674.31 3868377.35 0.05489
395696.37 3868368.22 0.05540
395718.44 3868359.10 0.05592
395740.51 3868349.97 0.05642
395762.58 3868340.85 0.05689
395784.65 3868331.72 0.05714
395806.72 3868322.60 0.05731
395078.79 3869061.58 0.03114
395078.73 3869086.47 0.03071
395078.67 3869111.36 0.03025
395078.60 3869136.25 0.02975
395078.54 3869161.14 0.02921
395078.48 3869186.03 0.02864
395078.42 3869210.92 0.02802
395078.35 3869235.81 0.02738
395078.29 3869260.70 0.02670
395078.23 3869285.59 0.02600
395078.16 3869310.48 0.02477
395078.10 3869335.37 0.02393
395078.04 3869360.26 0.02318
395077.98 3869385.15 0.02245
395077.91 3869410.04 0.02174
395077.85 3869434.93 0.02107
395077.79 3869459.82 0.02045
395077.73 3869484.71 0.01988
395077.66 3869509.60 0.01936
395077.60 3869534.49 0.01887
395077.54 3869559.38 0.01842
395077.47 3869584.27 0.01801
395077.41 3869609.16 0.01761
395077.35 3869634.05 0.01724
395077.29 3869658.95 0.01687
395077.22 3869683.84 0.01652
395077.16 3869708.73 0.01616
395077.10 3869733.62 0.01580

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395077.03 | 3869758.51 | 0.01544 | 395076.97 | 3869783.40 | 0.01508 |
| 395076.91 | 3869808.29 | 0.01471 | 395076.85 | 3869833.18 | 0.01434 |
| 395076.78 | 3869858.07 | 0.01391 | 395076.72 | 3869882.96 | 0.01351 |
| 395076.66 | 3869907.85 | 0.01314 | 395076.60 | 3869932.74 | 0.01276 |
| 395076.53 | 3869957.63 | 0.01240 | 394838.27 | 3869038.19 | 0.02047 |
| 394847.75 | 3869015.43 | 0.02115 | 394857.22 | 3868992.68 | 0.02181 |
| 394866.70 | 3868969.92 | 0.02246 | 394876.18 | 3868947.16 | 0.02309 |
| 394885.65 | 3868924.40 | 0.02370 | 394895.13 | 3868901.65 | 0.02428 |
| 394904.61 | 3868878.89 | 0.02489 | 394914.08 | 3868856.13 | 0.02551 |
| 394923.56 | 3868833.37 | 0.02612 | 394933.04 | 3868810.62 | 0.02667 |
| 394942.52 | 3868787.86 | 0.02717 | 394951.99 | 3868765.10 | 0.02765 |
| 394961.47 | 3868742.35 | 0.02812 | 394970.95 | 3868719.59 | 0.02857 |
| 394980.42 | 3868696.83 | 0.02899 | 394989.90 | 3868674.07 | 0.02957 |
| 394999.38 | 3868651.32 | 0.03044 | 395008.85 | 3868628.56 | 0.03079 |
| 395018.33 | 3868605.80 | 0.03109 | 395027.81 | 3868583.04 | 0.03134 |
| 395037.28 | 3868560.29 | 0.03154 | 395046.76 | 3868537.53 | 0.03169 |

395056.24 3868514.77 0.03182
395065.71 3868492.02 0.03190
395075.19 3868469.26 0.03196
395084.67 3868446.50 0.03195
395094.14 3868423.74 0.03191
395103.62 3868400.99 0.03185
395113.10 3868378.23 0.03178
395145.36 3868346.05 0.03232
395168.14 3868336.63 0.03301
395190.92 3868327.21 0.03364
395213.70 3868317.79 0.03427
395236.48 3868308.37 0.03489
395259.26 3868298.96 0.03553
395282.04 3868289.54 0.03619
395304.82 3868280.12 0.03678
395327.61 3868270.70 0.03732
395350.39 3868261.28 0.03782
395373.17 3868251.86 0.03835
395395.95 3868242.44 0.03880
395418.73 3868233.02 0.03918
395441.51 3868223.60 0.03954
395464.29 3868214.18 0.03990
395487.07 3868204.76 0.04019
395509.85 3868195.34 0.04043
395532.64 3868185.92 0.04060
395555.42 3868176.50 0.04089
395578.20 3868167.08 0.04119
395600.98 3868157.66 0.04143
395623.76 3868148.24 0.04161
395646.54 3868138.83 0.04193
395669.32 3868129.41 0.04225
395692.10 3868119.99 0.04256
395714.88 3868110.57 0.04282
395737.67 3868101.15 0.04291
395760.45 3868091.73 0.04306
395783.23 3868082.31 0.04323
395806.01 3868072.89 0.04334
394828.79 3869060.95 0.01978
394828.73 3869085.84 0.01935
394828.67 3869110.73 0.01891
394828.60 3869135.62 0.01846
394828.54 3869160.51 0.01800
394828.48 3869185.40 0.01752
394828.42 3869210.29 0.01703
394828.35 3869235.18 0.01657
394828.29 3869260.07 0.01611
394828.23 3869284.96 0.01567
394828.17 3869309.85 0.01524

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 394828.10 | 3869334.74 | 0.01482 | 394828.04 | 3869359.63 | 0.01443 |
| 394827.98 | 3869384.52 | 0.01405 | 394827.91 | 3869409.41 | 0.01369 |
| 394827.85 | 3869434.30 | 0.01336 | 394827.79 | 3869459.19 | 0.01305 |
| 394827.73 | 3869484.08 | 0.01277 | 394827.66 | 3869508.97 | 0.01250 |
| 394827.60 | 3869533.86 | 0.01224 | 394827.54 | 3869558.75 | 0.01203 |
| 394827.47 | 3869583.64 | 0.01184 | 394827.41 | 3869608.53 | 0.01167 |
| 394827.35 | 3869633.42 | 0.01151 | 394827.29 | 3869658.31 | 0.01136 |
| 394827.22 | 3869683.20 | 0.01121 | 394827.16 | 3869708.10 | 0.01107 |
| 394827.10 | 3869732.99 | 0.01092 | 394827.04 | 3869757.88 | 0.01077 |
| 394826.97 | 3869782.77 | 0.01062 | 394826.91 | 3869807.66 | 0.01046 |
| 394826.85 | 3869832.55 | 0.01029 | 394826.78 | 3869857.44 | 0.01012 |
| 394826.72 | 3869882.33 | 0.00995 | 394826.66 | 3869907.22 | 0.00976 |
| 394826.60 | 3869932.11 | 0.00958 | 394826.53 | 3869957.00 | 0.00938 |
| 394438.36 | 3869036.97 | 0.01076 | 394447.92 | 3869014.00 | 0.01115 |
| 394457.49 | 3868991.03 | 0.01155 | 394467.05 | 3868968.06 | 0.01196 |
| 394476.62 | 3868945.09 | 0.01239 | 394486.18 | 3868922.13 | 0.01281 |

| | | | | | |
|---|---|---|---|---|---|
| | 394495.75 | 3868899.16 | 0.01327 | | |
| 394505.31 | 3868876.19 | 0.01379 | | | |
| | 394514.88 | 3868853.22 | 0.01427 | | |
| 394524.44 | 3868830.25 | 0.01475 | | | |
| | 394534.01 | 3868807.28 | 0.01523 | | |
| 394543.57 | 3868784.31 | 0.01573 | | | |
| | 394553.14 | 3868761.34 | 0.01624 | | |
| 394562.70 | 3868738.37 | 0.01676 | | | |
| | 394572.27 | 3868715.40 | 0.01722 | | |
| 394581.83 | 3868692.44 | 0.01764 | | | |
| | 394591.40 | 3868669.47 | 0.01805 | | |
| 394600.96 | 3868646.50 | 0.01843 | | | |
| | 394610.53 | 3868623.53 | 0.01882 | | |
| 394620.09 | 3868600.56 | 0.01926 | | | |
| | 394629.66 | 3868577.59 | 0.01963 | | |
| 394639.22 | 3868554.62 | 0.01993 | | | |
| | 394648.79 | 3868531.65 | 0.02020 | | |
| 394658.35 | 3868508.68 | 0.02044 | | | |
| | 394667.92 | 3868485.71 | 0.02066 | | |
| 394677.48 | 3868462.75 | 0.02084 | | | |
| | 394687.05 | 3868439.78 | 0.02099 | | |
| 394696.61 | 3868416.81 | 0.02111 | | | |
| | 394706.18 | 3868393.84 | 0.02118 | | |
| 394715.74 | 3868370.87 | 0.02122 | | | |
| | 394725.31 | 3868347.90 | 0.02127 | | |
| 394734.87 | 3868324.93 | 0.02129 | | | |
| | 394744.44 | 3868301.96 | 0.02129 | | |
| 394754.00 | 3868278.99 | 0.02123 | | | |
| | 394763.57 | 3868256.02 | 0.02112 | | |
| 394773.13 | 3868233.06 | 0.02098 | | | |
| | 394782.70 | 3868210.09 | 0.02084 | | |
| 394792.26 | 3868187.12 | 0.02069 | | | |
| | 394801.83 | 3868164.15 | 0.02054 | | |
| 394811.39 | 3868141.18 | 0.02042 | | | |
| | 394820.96 | 3868118.21 | 0.02038 | | |
| 394830.52 | 3868095.24 | 0.02037 | | | |
| | 394863.08 | 3868062.77 | 0.02058 | | |
| 394886.08 | 3868053.26 | 0.02095 | | | |
| | 394909.07 | 3868043.75 | 0.02141 | | |
| 394932.06 | 3868034.24 | 0.02262 | | | |
| | 394955.05 | 3868024.74 | 0.02302 | | |
| 394978.05 | 3868015.23 | 0.02343 | | | |
| | 395001.04 | 3868005.72 | 0.02387 | | |
| 395024.03 | 3867996.22 | 0.02434 | | | |
| | 395047.03 | 3867986.71 | 0.02476 | | |
| 395070.02 | 3867977.20 | 0.02518 | | | |
| | 395093.01 | 3867967.70 | 0.02562 | | |
| 395116.01 | 3867958.19 | 0.02605 | | | |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395139.00 | 3867948.68 | 0.02643 | 395161.99 | 3867939.17 | 0.02679 |
| 395184.99 | 3867929.67 | 0.02716 | 395207.98 | 3867920.16 | 0.02750 |
| 395230.97 | 3867910.65 | 0.02778 | 395253.96 | 3867901.15 | 0.02804 |
| 395276.96 | 3867891.64 | 0.02831 | 395299.95 | 3867882.13 | 0.02854 |
| 395322.94 | 3867872.62 | 0.02874 | 395345.94 | 3867863.12 | 0.02892 |
| 395368.93 | 3867853.61 | 0.02905 | 395391.92 | 3867844.10 | 0.02913 |
| 395414.92 | 3867834.60 | 0.02918 | 395437.91 | 3867825.09 | 0.02928 |
| 395460.90 | 3867815.58 | 0.02932 | 395483.89 | 3867806.08 | 0.02938 |
| 395506.89 | 3867796.57 | 0.02942 | 395529.88 | 3867787.06 | 0.02950 |
| 395552.87 | 3867777.55 | 0.02957 | 395575.87 | 3867768.05 | 0.02965 |
| 395598.86 | 3867758.54 | 0.02972 | 395621.85 | 3867749.03 | 0.02979 |
| 395644.85 | 3867739.53 | 0.02985 | 395667.84 | 3867730.02 | 0.02990 |
| 395690.83 | 3867720.51 | 0.02994 | 395713.82 | 3867711.01 | 0.02997 |
| 395736.82 | 3867701.50 | 0.02999 | 395759.81 | 3867691.99 | 0.03000 |
| 395782.80 | 3867682.48 | 0.02995 | 395805.80 | 3867672.98 | 0.02987 |
| 394428.79 | 3869059.94 | 0.01040 | 394428.73 | 3869084.83 | 0.01018 |

| | | |
|---|---|---|
| 394428.67 | 3869109.72 | 0.01000 |
| 394428.61 | 3869134.61 | 0.00983 |
| 394428.54 | 3869159.50 | 0.00968 |
| 394428.48 | 3869184.39 | 0.00954 |
| 394428.42 | 3869209.28 | 0.00941 |
| 394428.36 | 3869234.17 | 0.00929 |
| 394428.29 | 3869259.06 | 0.00918 |
| 394428.23 | 3869283.95 | 0.00907 |
| 394428.17 | 3869308.84 | 0.00897 |
| 394428.10 | 3869333.73 | 0.00886 |
| 394428.04 | 3869358.62 | 0.00877 |
| 394427.98 | 3869383.51 | 0.00865 |
| 394427.92 | 3869408.40 | 0.00854 |
| 394427.85 | 3869433.29 | 0.00842 |
| 394427.79 | 3869458.18 | 0.00830 |
| 394427.73 | 3869483.07 | 0.00817 |
| 394427.66 | 3869507.96 | 0.00804 |
| 394427.60 | 3869532.85 | 0.00791 |
| 394427.54 | 3869557.74 | 0.00777 |
| 394427.48 | 3869582.63 | 0.00763 |
| 394427.41 | 3869607.53 | 0.00750 |
| 394427.35 | 3869632.42 | 0.00737 |
| 394427.29 | 3869657.31 | 0.00725 |
| 394427.23 | 3869682.20 | 0.00713 |
| 394427.16 | 3869707.09 | 0.00702 |
| 394427.10 | 3869731.98 | 0.00692 |
| 394427.04 | 3869756.87 | 0.00683 |
| 394426.97 | 3869781.76 | 0.00675 |
| 394426.91 | 3869806.65 | 0.00667 |
| 394426.85 | 3869831.54 | 0.00660 |
| 394426.79 | 3869856.43 | 0.00654 |
| 394426.72 | 3869881.32 | 0.00649 |
| 394426.66 | 3869906.21 | 0.00643 |
| 394426.60 | 3869931.10 | 0.00638 |
| 394426.53 | 3869955.99 | 0.00633 |
| 394038.24 | 3869036.25 | 0.00679 |
| 394047.68 | 3869013.58 | 0.00689 |
| 394057.12 | 3868990.90 | 0.00700 |
| 394066.57 | 3868968.23 | 0.00714 |
| 394076.01 | 3868945.55 | 0.00730 |
| 394085.45 | 3868922.87 | 0.00747 |
| 394094.90 | 3868900.20 | 0.00766 |
| 394104.34 | 3868877.52 | 0.00786 |
| 394113.78 | 3868854.85 | 0.00809 |
| 394123.23 | 3868832.17 | 0.00834 |
| 394132.67 | 3868809.49 | 0.00862 |
| 394142.11 | 3868786.82 | 0.00893 |
| 394151.55 | 3868764.14 | 0.00926 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 394161.00 | 3868741.47 | 0.00958 | 394170.44 | 3868718.79 | 0.00991 |
| 394179.88 | 3868696.11 | 0.01026 | 394189.33 | 3868673.44 | 0.01061 |
| 394198.77 | 3868650.76 | 0.01097 | 394208.21 | 3868628.09 | 0.01134 |
| 394217.66 | 3868605.41 | 0.01174 | 394227.10 | 3868582.73 | 0.01215 |
| 394236.54 | 3868560.06 | 0.01256 | 394245.98 | 3868537.38 | 0.01292 |
| 394255.43 | 3868514.71 | 0.01327 | 394264.87 | 3868492.03 | 0.01360 |
| 394274.31 | 3868469.35 | 0.01394 | 394283.76 | 3868446.68 | 0.01429 |
| 394293.20 | 3868424.00 | 0.01462 | 394302.64 | 3868401.33 | 0.01492 |
| 394312.09 | 3868378.65 | 0.01516 | 394321.53 | 3868355.97 | 0.01536 |
| 394330.97 | 3868333.30 | 0.01557 | 394340.41 | 3868310.62 | 0.01573 |
| 394349.86 | 3868287.95 | 0.01588 | 394359.30 | 3868265.27 | 0.01599 |
| 394368.74 | 3868242.59 | 0.01607 | 394378.19 | 3868219.92 | 0.01612 |
| 394387.63 | 3868197.24 | 0.01615 | 394397.07 | 3868174.57 | 0.01616 |
| 394406.52 | 3868151.89 | 0.01609 | 394415.96 | 3868129.21 | 0.01602 |
| 394425.40 | 3868106.54 | 0.01593 | 394434.84 | 3868083.86 | 0.01582 |
| 394444.29 | 3868061.19 | 0.01577 | 394453.73 | 3868038.51 | 0.01562 |

394463.17 3868015.83 0.01544
394472.62 3867993.16 0.01525
394482.06 3867970.48 0.01505
394491.50 3867947.81 0.01491
394500.95 3867925.13 0.01477
394510.39 3867902.45 0.01463
394519.83 3867879.78 0.01446
394529.27 3867857.10 0.01433
394538.72 3867834.43 0.01421
394548.16 3867811.75 0.01415
394580.30 3867779.69 0.01434
394603.00 3867770.30 0.01453
394625.70 3867760.92 0.01475
394648.40 3867751.53 0.01510
394671.10 3867742.14 0.01543
394693.80 3867732.76 0.01572
394716.50 3867723.37 0.01604
394739.20 3867713.99 0.01648
394761.90 3867704.60 0.01688
394784.60 3867695.22 0.01724
394807.30 3867685.83 0.01761
394830.00 3867676.44 0.01809
394852.70 3867667.06 0.01904
394875.40 3867657.67 0.01938
394898.10 3867648.29 0.01975
394920.80 3867638.90 0.02007
394943.50 3867629.52 0.02038
394966.20 3867620.13 0.02067
394988.90 3867610.74 0.02095
395011.60 3867601.36 0.02120
395034.30 3867591.97 0.02146
395057.00 3867582.59 0.02169
395079.70 3867573.20 0.02188
395102.40 3867563.81 0.02204
395125.10 3867554.43 0.02220
395147.80 3867545.04 0.02233
395170.50 3867535.66 0.02242
395193.20 3867526.27 0.02248
395215.90 3867516.89 0.02253
395238.60 3867507.50 0.02255
395261.30 3867498.11 0.02256
395284.00 3867488.73 0.02259
395306.70 3867479.34 0.02258
395329.40 3867469.96 0.02255
395352.10 3867460.57 0.02251
395374.79 3867451.19 0.02247
395397.49 3867441.80 0.02243
395420.19 3867432.41 0.02241

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395442.89 | 3867423.03 | 0.02237 | 395465.59 | 3867413.64 | 0.02234 |
| 395488.29 | 3867404.26 | 0.02228 | 395510.99 | 3867394.87 | 0.02225 |
| 395533.69 | 3867385.49 | 0.02223 | 395556.39 | 3867376.10 | 0.02218 |
| 395579.09 | 3867366.71 | 0.02220 | 395601.79 | 3867357.33 | 0.02221 |
| 395624.49 | 3867347.94 | 0.02224 | 395647.19 | 3867338.56 | 0.02228 |
| 395669.89 | 3867329.17 | 0.02232 | 395692.59 | 3867319.78 | 0.02237 |
| 395715.29 | 3867310.40 | 0.02241 | 395737.99 | 3867301.01 | 0.02246 |
| 395760.69 | 3867291.63 | 0.02251 | 395783.39 | 3867282.24 | 0.02255 |
| 395806.09 | 3867272.86 | 0.02260 | 394028.80 | 3869058.93 | 0.00669 |
| 394028.73 | 3869083.82 | 0.00665 | 394028.67 | 3869108.71 | 0.00662 |
| 394028.61 | 3869133.60 | 0.00659 | 394028.54 | 3869158.49 | 0.00657 |
| 394028.48 | 3869183.38 | 0.00655 | 394028.42 | 3869208.27 | 0.00652 |
| 394028.36 | 3869233.16 | 0.00649 | 394028.29 | 3869258.05 | 0.00646 |
| 394028.23 | 3869282.94 | 0.00644 | 394028.17 | 3869307.83 | 0.00640 |
| 394028.11 | 3869332.72 | 0.00637 | 394028.04 | 3869357.61 | 0.00633 |
| 394027.98 | 3869382.50 | 0.00628 | 394027.92 | 3869407.39 | 0.00624 |

394027.85 3869432.28 0.00619
394027.79 3869457.17 0.00613
394027.73 3869482.06 0.00607
394027.67 3869506.96 0.00600
394027.60 3869531.85 0.00592
394027.54 3869556.74 0.00584
394027.48 3869581.63 0.00576
394027.41 3869606.52 0.00567
394027.35 3869631.41 0.00557
394027.29 3869656.30 0.00547
394027.23 3869681.19 0.00537
394027.16 3869706.08 0.00527
394027.10 3869730.97 0.00517
394027.04 3869755.86 0.00506
394026.98 3869780.75 0.00495
394026.91 3869805.64 0.00485
394026.85 3869830.53 0.00476
394026.79 3869855.42 0.00467
394026.72 3869880.31 0.00459
394026.66 3869905.20 0.00452
394026.60 3869930.09 0.00445
394026.54 3869954.98 0.00440
393638.30 3869035.10 0.00509
393647.81 3869012.27 0.00513
393657.31 3868989.45 0.00516
393666.82 3868966.62 0.00520
393676.32 3868943.80 0.00525
393685.83 3868920.98 0.00530
393695.33 3868898.15 0.00535
393704.83 3868875.33 0.00542
393714.34 3868852.50 0.00549
393723.84 3868829.68 0.00557
393733.35 3868806.85 0.00566
393742.85 3868784.03 0.00576
393752.36 3868761.21 0.00588
393761.86 3868738.38 0.00603
393771.37 3868715.56 0.00619
393780.87 3868692.73 0.00636
393790.38 3868669.91 0.00654
393799.88 3868647.09 0.00674
393809.39 3868624.26 0.00695
393818.89 3868601.44 0.00717
393828.40 3868578.61 0.00737
393837.90 3868555.79 0.00761
393847.41 3868532.96 0.00785
393856.91 3868510.14 0.00812
393866.42 3868487.32 0.00839
393875.92 3868464.49 0.00867

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 393885.42 | 3868441.67 | 0.00896 | 393894.93 | 3868418.84 | 0.00925 |
| 393904.43 | 3868396.02 | 0.00954 | 393913.94 | 3868373.19 | 0.00982 |
| 393923.44 | 3868350.37 | 0.01010 | 393932.95 | 3868327.55 | 0.01038 |
| 393942.45 | 3868304.72 | 0.01065 | 393951.96 | 3868281.90 | 0.01090 |
| 393961.46 | 3868259.07 | 0.01115 | 393970.97 | 3868236.25 | 0.01138 |
| 393980.47 | 3868213.43 | 0.01159 | 393989.98 | 3868190.60 | 0.01189 |
| 393999.48 | 3868167.78 | 0.01214 | 394008.99 | 3868144.95 | 0.01231 |
| 394018.49 | 3868122.13 | 0.01246 | 394028.00 | 3868099.30 | 0.01271 |
| 394037.50 | 3868076.48 | 0.01284 | 394047.00 | 3868053.66 | 0.01291 |
| 394056.51 | 3868030.83 | 0.01295 | 394066.01 | 3868008.01 | 0.01301 |
| 394075.52 | 3867985.18 | 0.01310 | 394085.02 | 3867962.36 | 0.01309 |
| 394094.53 | 3867939.53 | 0.01303 | 394104.03 | 3867916.71 | 0.01294 |
| 394113.54 | 3867893.89 | 0.01283 | 394123.04 | 3867871.06 | 0.01277 |
| 394132.55 | 3867848.24 | 0.01268 | 394142.05 | 3867825.41 | 0.01251 |
| 394151.56 | 3867802.59 | 0.01232 | 394161.06 | 3867779.77 | 0.01213 |
| 394170.57 | 3867756.94 | 0.01192 | 394180.07 | 3867734.12 | 0.01172 |

394189.58 3867711.29 0.01155
394199.08 3867688.47 0.01138
394208.59 3867665.64 0.01122
394218.09 3867642.82 0.01105
394227.59 3867620.00 0.01088
394237.10 3867597.17 0.01073
394246.60 3867574.35 0.01060
394256.11 3867551.52 0.01050
394265.61 3867528.70 0.01049
394297.97 3867496.43 0.01053
394320.81 3867486.98 0.01066
394343.66 3867477.53 0.01081
394366.51 3867468.09 0.01098
394389.36 3867458.64 0.01120
394412.21 3867449.19 0.01150
394435.05 3867439.74 0.01176
394457.90 3867430.30 0.01202
394480.75 3867420.85 0.01231
394503.60 3867411.40 0.01270
394526.45 3867401.96 0.01304
394549.30 3867392.51 0.01337
394572.14 3867383.06 0.01378
394594.99 3867373.61 0.01414
394617.84 3867364.17 0.01447
394640.69 3867354.72 0.01480
394663.54 3867345.27 0.01514
394686.38 3867335.83 0.01554
394709.23 3867326.38 0.01585
394732.08 3867316.93 0.01613
394754.93 3867307.48 0.01642
394777.78 3867298.04 0.01695
394800.62 3867288.59 0.01716
394823.47 3867279.14 0.01736
394846.32 3867269.70 0.01755
394869.17 3867260.25 0.01773
394892.02 3867250.80 0.01787
394914.87 3867241.36 0.01799
394937.71 3867231.91 0.01808
394960.56 3867222.46 0.01816
394983.41 3867213.01 0.01821
395006.26 3867203.57 0.01826
395029.11 3867194.12 0.01829
395051.95 3867184.67 0.01829
395074.80 3867175.23 0.01826
395097.65 3867165.78 0.01823
395120.50 3867156.33 0.01818
395143.35 3867146.88 0.01812
395166.19 3867137.44 0.01808

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395189.04 | 3867127.99 | 0.01800 | 395211.89 | 3867118.54 | 0.01792 |
| 395234.74 | 3867109.10 | 0.01784 | 395257.59 | 3867099.65 | 0.01776 |
| 395280.44 | 3867090.20 | 0.01768 | 395303.28 | 3867080.75 | 0.01761 |
| 395326.13 | 3867071.31 | 0.01755 | 395348.98 | 3867061.86 | 0.01749 |
| 395371.83 | 3867052.41 | 0.01744 | 395394.68 | 3867042.97 | 0.01743 |
| 395417.52 | 3867033.52 | 0.01743 | 395440.37 | 3867024.07 | 0.01742 |
| 395463.22 | 3867014.62 | 0.01743 | 395486.07 | 3867005.18 | 0.01745 |
| 395508.92 | 3866995.73 | 0.01748 | 395531.76 | 3866986.28 | 0.01752 |
| 395554.61 | 3866976.84 | 0.01759 | 395577.46 | 3866967.39 | 0.01765 |
| 395600.31 | 3866957.94 | 0.01771 | 395623.16 | 3866948.49 | 0.01778 |
| 395646.01 | 3866939.05 | 0.01786 | 395668.85 | 3866929.60 | 0.01793 |
| 395691.70 | 3866920.15 | 0.01800 | 395714.55 | 3866910.71 | 0.01805 |
| 395737.40 | 3866901.26 | 0.01813 | 395760.25 | 3866891.81 | 0.01821 |
| 395783.09 | 3866882.36 | 0.01828 | 395805.94 | 3866872.92 | 0.01835 |
| 393628.80 | 3869057.92 | 0.00506 | 393628.73 | 3869082.81 | 0.00506 |
| 393628.67 | 3869107.70 | 0.00505 | 393628.61 | 3869132.59 | 0.00505 |

| | | |
|---|---|---|
| 393628.55 | 3869157.48 | 0.00505 |
| 393628.48 | 3869182.37 | 0.00505 |
| 393628.42 | 3869207.26 | 0.00504 |
| 393628.36 | 3869232.15 | 0.00504 |
| 393628.29 | 3869257.04 | 0.00503 |
| 393628.23 | 3869281.93 | 0.00503 |
| 393628.17 | 3869306.82 | 0.00502 |
| 393628.11 | 3869331.71 | 0.00500 |
| 393628.04 | 3869356.60 | 0.00499 |
| 393627.98 | 3869381.49 | 0.00497 |
| 393627.92 | 3869406.39 | 0.00494 |
| 393627.86 | 3869431.28 | 0.00491 |
| 393627.79 | 3869456.17 | 0.00488 |
| 393627.73 | 3869481.06 | 0.00485 |
| 393627.67 | 3869505.95 | 0.00481 |
| 393627.60 | 3869530.84 | 0.00477 |
| 393627.54 | 3869555.73 | 0.00472 |
| 393627.48 | 3869580.62 | 0.00466 |
| 393627.42 | 3869605.51 | 0.00461 |
| 393627.35 | 3869630.40 | 0.00454 |
| 393627.29 | 3869655.29 | 0.00448 |
| 393627.23 | 3869680.18 | 0.00441 |
| 393627.16 | 3869705.07 | 0.00433 |
| 393627.10 | 3869729.96 | 0.00425 |
| 393627.04 | 3869754.85 | 0.00417 |
| 393626.98 | 3869779.74 | 0.00408 |
| 393626.91 | 3869804.63 | 0.00399 |
| 393626.85 | 3869829.52 | 0.00390 |
| 393626.79 | 3869854.41 | 0.00380 |
| 393626.73 | 3869879.30 | 0.00371 |
| 393626.66 | 3869904.19 | 0.00361 |
| 393626.60 | 3869929.08 | 0.00351 |
| 393626.54 | 3869953.97 | 0.00342 |
| 393238.35 | 3869033.98 | 0.00410 |
| 393247.89 | 3869011.06 | 0.00411 |
| 393257.44 | 3868988.13 | 0.00413 |
| 393266.99 | 3868965.20 | 0.00414 |
| 393276.54 | 3868942.27 | 0.00416 |
| 393286.09 | 3868919.34 | 0.00417 |
| 393295.63 | 3868896.42 | 0.00419 |
| 393305.18 | 3868873.49 | 0.00421 |
| 393314.73 | 3868850.56 | 0.00423 |
| 393324.28 | 3868827.63 | 0.00426 |
| 393333.83 | 3868804.70 | 0.00429 |
| 393343.37 | 3868781.78 | 0.00432 |
| 393352.92 | 3868758.85 | 0.00436 |
| 393362.47 | 3868735.92 | 0.00440 |
| 393372.02 | 3868712.99 | 0.00445 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 393381.57 | 3868690.06 | 0.00451 | 393391.11 | 3868667.14 | 0.00457 |
| 393400.66 | 3868644.21 | 0.00464 | 393410.21 | 3868621.28 | 0.00472 |
| 393419.76 | 3868598.35 | 0.00480 | 393429.30 | 3868575.43 | 0.00490 |
| 393438.85 | 3868552.50 | 0.00502 | 393448.40 | 3868529.57 | 0.00515 |
| 393457.95 | 3868506.64 | 0.00529 | 393467.50 | 3868483.71 | 0.00544 |
| 393477.04 | 3868460.79 | 0.00560 | 393486.59 | 3868437.86 | 0.00576 |
| 393496.14 | 3868414.93 | 0.00595 | 393505.69 | 3868392.00 | 0.00614 |
| 393515.24 | 3868369.07 | 0.00634 | 393524.78 | 3868346.15 | 0.00655 |
| 393534.33 | 3868323.22 | 0.00676 | 393543.88 | 3868300.29 | 0.00699 |
| 393553.43 | 3868277.36 | 0.00723 | 393562.98 | 3868254.43 | 0.00752 |
| 393572.52 | 3868231.51 | 0.00778 | 393582.07 | 3868208.58 | 0.00802 |
| 393591.62 | 3868185.65 | 0.00826 | 393601.17 | 3868162.72 | 0.00850 |
| 393610.72 | 3868139.79 | 0.00874 | 393620.26 | 3868116.87 | 0.00900 |
| 393629.81 | 3868093.94 | 0.00927 | 393639.36 | 3868071.01 | 0.00953 |
| 393648.91 | 3868048.08 | 0.00968 | 393658.45 | 3868025.15 | 0.00987 |
| 393668.00 | 3868002.23 | 0.01010 | 393677.55 | 3867979.30 | 0.01026 |

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|---|---|---|
| 393687.10 | 3867956.37 | 0.01041 |
| 393696.65 | 3867933.44 | 0.01054 |
| 393706.19 | 3867910.51 | 0.01065 |
| 393715.74 | 3867887.59 | 0.01081 |
| 393725.29 | 3867864.66 | 0.01093 |
| 393734.84 | 3867841.73 | 0.01100 |
| 393744.39 | 3867818.80 | 0.01103 |
| 393753.93 | 3867795.87 | 0.01103 |
| 393763.48 | 3867772.95 | 0.01101 |
| 393773.03 | 3867750.02 | 0.01097 |
| 393782.58 | 3867727.09 | 0.01090 |
| 393792.13 | 3867704.16 | 0.01082 |
| 393801.67 | 3867681.23 | 0.01075 |
| 393811.22 | 3867658.31 | 0.01068 |
| 393820.77 | 3867635.38 | 0.01057 |
| 393830.32 | 3867612.45 | 0.01042 |
| 393839.87 | 3867589.52 | 0.01025 |
| 393849.41 | 3867566.59 | 0.01007 |
| 393858.96 | 3867543.67 | 0.00989 |
| 393868.51 | 3867520.74 | 0.00971 |
| 393878.06 | 3867497.81 | 0.00952 |
| 393887.61 | 3867474.88 | 0.00936 |
| 393897.15 | 3867451.95 | 0.00920 |
| 393906.70 | 3867429.03 | 0.00905 |
| 393916.25 | 3867406.10 | 0.00888 |
| 393925.80 | 3867383.17 | 0.00871 |
| 393935.34 | 3867360.24 | 0.00856 |
| 393944.89 | 3867337.32 | 0.00842 |
| 393954.44 | 3867314.39 | 0.00830 |
| 393963.99 | 3867291.46 | 0.00820 |
| 393973.54 | 3867268.53 | 0.00812 |
| 393983.08 | 3867245.60 | 0.00808 |
| 394015.58 | 3867213.19 | 0.00812 |
| 394038.54 | 3867203.70 | 0.00820 |
| 394061.49 | 3867194.21 | 0.00831 |
| 394084.44 | 3867184.72 | 0.00849 |
| 394107.39 | 3867175.23 | 0.00864 |
| 394130.34 | 3867165.73 | 0.00880 |
| 394153.30 | 3867156.24 | 0.00899 |
| 394176.25 | 3867146.75 | 0.00922 |
| 394199.20 | 3867137.26 | 0.00941 |
| 394222.15 | 3867127.77 | 0.00967 |
| 394245.10 | 3867118.28 | 0.00994 |
| 394268.06 | 3867108.79 | 0.01024 |
| 394291.01 | 3867099.30 | 0.01052 |
| 394313.96 | 3867089.81 | 0.01080 |
| 394336.91 | 3867080.32 | 0.01111 |
| 394359.86 | 3867070.83 | 0.01148 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 394382.82 | 3867061.34 | 0.01177 | 394405.77 | 3867051.85 | 0.01205 |
| 394428.72 | 3867042.36 | 0.01234 | 394451.67 | 3867032.87 | 0.01266 |
| 394474.62 | 3867023.38 | 0.01297 | 394497.58 | 3867013.89 | 0.01323 |
| 394520.53 | 3867004.40 | 0.01346 | 394543.48 | 3866994.91 | 0.01369 |
| 394566.43 | 3866985.42 | 0.01398 | 394589.38 | 3866975.93 | 0.01417 |
| 394612.34 | 3866966.44 | 0.01434 | 394635.29 | 3866956.95 | 0.01451 |
| 394658.24 | 3866947.46 | 0.01469 | 394681.19 | 3866937.97 | 0.01482 |
| 394704.14 | 3866928.48 | 0.01493 | 394727.10 | 3866918.99 | 0.01501 |
| 394750.05 | 3866909.50 | 0.01507 | 394773.00 | 3866900.01 | 0.01512 |
| 394795.95 | 3866890.52 | 0.01519 | 394818.90 | 3866881.03 | 0.01530 |
| 394841.86 | 3866871.54 | 0.01530 | 394864.81 | 3866862.05 | 0.01528 |
| 394887.76 | 3866852.56 | 0.01527 | 394910.71 | 3866843.07 | 0.01523 |
| 394933.66 | 3866833.58 | 0.01519 | 394956.62 | 3866824.09 | 0.01513 |
| 394979.57 | 3866814.60 | 0.01506 | 395002.52 | 3866805.11 | 0.01498 |
| 395025.47 | 3866795.62 | 0.01490 | 395048.42 | 3866786.13 | 0.01481 |
| 395071.37 | 3866776.64 | 0.01472 | 395094.33 | 3866767.15 | 0.01463 |

395117.28 3866757.66 0.01455
395140.23 3866748.17 0.01447
395163.18 3866738.68 0.01440
395186.13 3866729.19 0.01434
395209.09 3866719.70 0.01428
395232.04 3866710.21 0.01423
395254.99 3866700.72 0.01419
395277.94 3866691.23 0.01415
395300.89 3866681.74 0.01413
395323.85 3866672.25 0.01413
395346.80 3866662.76 0.01415
395369.75 3866653.27 0.01417
395392.70 3866643.78 0.01420
395415.65 3866634.29 0.01423
395438.61 3866624.80 0.01428
395461.56 3866615.31 0.01434
395484.51 3866605.82 0.01442
395507.46 3866596.33 0.01451
395530.41 3866586.84 0.01458
395553.37 3866577.35 0.01466
395576.32 3866567.86 0.01475
395599.27 3866558.37 0.01484
395622.22 3866548.88 0.01493
395645.17 3866539.39 0.01503
395668.13 3866529.90 0.01511
395691.08 3866520.41 0.01520
395714.03 3866510.92 0.01528
395736.98 3866501.43 0.01536
395759.93 3866491.94 0.01544
395782.89 3866482.45 0.01551
395805.84 3866472.96 0.01557
393228.80 3869056.91 0.00409
393228.74 3869081.80 0.00410
393228.67 3869106.69 0.00410
393228.61 3869131.58 0.00411
393228.55 3869156.47 0.00412
393228.48 3869181.36 0.00413
393228.42 3869206.25 0.00413
393228.36 3869231.14 0.00413
393228.30 3869256.03 0.00413
393228.23 3869280.92 0.00414
393228.17 3869305.82 0.00413
393228.11 3869330.71 0.00413
393228.04 3869355.60 0.00413
393227.98 3869380.49 0.00412
393227.92 3869405.38 0.00411
393227.86 3869430.27 0.00410
393227.79 3869455.16 0.00408

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 393227.73 | 3869480.05 | 0.00406 | 393227.67 | 3869504.94 | 0.00403 |
| 393227.61 | 3869529.83 | 0.00401 | 393227.54 | 3869554.72 | 0.00397 |
| 393227.48 | 3869579.61 | 0.00394 | 393227.42 | 3869604.50 | 0.00389 |
| 393227.35 | 3869629.39 | 0.00384 | 393227.29 | 3869654.28 | 0.00379 |
| 393227.23 | 3869679.17 | 0.00373 | 393227.17 | 3869704.06 | 0.00367 |
| 393227.10 | 3869728.95 | 0.00361 | 393227.04 | 3869753.84 | 0.00354 |
| 393226.98 | 3869778.73 | 0.00347 | 393226.91 | 3869803.62 | 0.00340 |
| 393226.85 | 3869828.51 | 0.00332 | 393226.79 | 3869853.40 | 0.00325 |
| 393226.73 | 3869878.29 | 0.00317 | 393226.66 | 3869903.18 | 0.00309 |
| 393226.60 | 3869928.07 | 0.00300 | 393226.54 | 3869952.96 | 0.00292 |
| 395826.53 | 3869984.52 | 0.12657 | 395851.47 | 3869984.52 | 0.18277 |
| 395876.42 | 3869984.52 | 0.24658 | 395901.36 | 3869984.52 | 0.29863 |
| 395926.31 | 3869984.52 | 0.34121 | 395951.25 | 3869984.53 | 0.37980 |
| 395976.20 | 3869984.53 | 0.40789 | 396001.14 | 3869984.53 | 0.43181 |
| 396026.09 | 3869984.53 | 0.45281 | 396051.03 | 3869984.53 | 0.47120 |
| 396075.98 | 3869984.53 | 0.48760 | 396100.92 | 3869984.53 | 0.50274 |

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|---|---|---|
| 396125.87 | 3869984.53 | 0.52287 |
| 396150.81 | 3869984.53 | 0.53611 |
| 396175.75 | 3869984.54 | 0.54703 |
| 396200.70 | 3869984.54 | 0.55707 |
| 396225.64 | 3869984.54 | 0.56630 |
| 396250.59 | 3869984.54 | 0.57525 |
| 396275.53 | 3869984.54 | 0.58679 |
| 396300.48 | 3869984.54 | 0.59255 |
| 396325.42 | 3869984.54 | 0.59871 |
| 396350.37 | 3869984.54 | 0.60425 |
| 396375.31 | 3869984.54 | 0.60922 |
| 396400.26 | 3869984.55 | 0.61356 |
| 396425.20 | 3869984.55 | 0.61747 |
| 396450.15 | 3869984.55 | 0.62070 |
| 396475.09 | 3869984.55 | 0.62310 |
| 396500.04 | 3869984.55 | 0.62164 |
| 396524.98 | 3869984.55 | 0.61628 |
| 396549.93 | 3869984.55 | 0.61658 |
| 396574.87 | 3869984.55 | 0.61588 |
| 396599.82 | 3869984.55 | 0.61369 |
| 396624.76 | 3869984.56 | 0.60483 |
| 396649.70 | 3869984.56 | 0.59415 |
| 396674.65 | 3869984.56 | 0.58478 |
| 396699.59 | 3869984.56 | 0.56979 |
| 396724.54 | 3869984.56 | 0.54349 |
| 395808.83 | 3870002.17 | 0.09072 |
| 395851.47 | 3870009.52 | 0.12787 |
| 395876.42 | 3870009.52 | 0.16384 |
| 395901.36 | 3870009.52 | 0.20011 |
| 395926.31 | 3870009.52 | 0.23343 |
| 395951.25 | 3870009.53 | 0.26423 |
| 395976.20 | 3870009.53 | 0.28887 |
| 396001.14 | 3870009.53 | 0.31039 |
| 396026.09 | 3870009.53 | 0.32939 |
| 396051.03 | 3870009.53 | 0.34629 |
| 396075.97 | 3870009.53 | 0.36143 |
| 396100.92 | 3870009.53 | 0.37507 |
| 396125.86 | 3870009.53 | 0.38806 |
| 396150.81 | 3870009.53 | 0.40184 |
| 396175.75 | 3870009.54 | 0.41313 |
| 396200.70 | 3870009.54 | 0.42260 |
| 396225.64 | 3870009.54 | 0.43126 |
| 396250.59 | 3870009.54 | 0.43925 |
| 396275.53 | 3870009.54 | 0.44729 |
| 396300.48 | 3870009.54 | 0.45508 |
| 396325.42 | 3870009.54 | 0.46061 |
| 396350.37 | 3870009.54 | 0.46612 |
| 396375.31 | 3870009.54 | 0.47107 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396400.26 | 3870009.55 | 0.47542 | 396425.20 | 3870009.55 | 0.47934 |
| 396450.15 | 3870009.55 | 0.48268 | 396475.09 | 3870009.55 | 0.48546 |
| 396500.04 | 3870009.55 | 0.48726 | 396524.98 | 3870009.55 | 0.48744 |
| 396549.92 | 3870009.55 | 0.48532 | 396574.87 | 3870009.55 | 0.48527 |
| 396599.81 | 3870009.55 | 0.48421 | 396624.76 | 3870009.56 | 0.48154 |
| 396649.70 | 3870009.56 | 0.47626 | 396674.65 | 3870009.56 | 0.46850 |
| 396699.59 | 3870009.56 | 0.46079 | 396724.54 | 3870009.56 | 0.44580 |
| 395808.83 | 3870027.17 | 0.07791 | 395766.13 | 3869994.77 | 0.06965 |
| 395851.47 | 3870034.52 | 0.10163 | 395876.42 | 3870034.52 | 0.12372 |
| 395901.36 | 3870034.52 | 0.14848 | 395926.31 | 3870034.52 | 0.17341 |
| 395951.25 | 3870034.53 | 0.19729 | 395976.19 | 3870034.53 | 0.21967 |
| 396001.14 | 3870034.53 | 0.23893 | 396026.08 | 3870034.53 | 0.25615 |
| 396051.03 | 3870034.53 | 0.27172 | 396075.97 | 3870034.53 | 0.28584 |
| 396100.92 | 3870034.53 | 0.29870 | 396125.86 | 3870034.53 | 0.31043 |
| 396150.81 | 3870034.53 | 0.32324 | 396175.75 | 3870034.54 | 0.33400 |
| 396200.70 | 3870034.54 | 0.34311 | 396225.64 | 3870034.54 | 0.35148 |

396250.59 3870034.54 0.35917
396275.53 3870034.54 0.36624
396300.48 3870034.54 0.37355
396325.42 3870034.54 0.38004
396350.37 3870034.54 0.38520
396375.31 3870034.54 0.39012
396400.26 3870034.55 0.39450
396425.20 3870034.55 0.39838
396450.14 3870034.55 0.40175
396475.09 3870034.55 0.40458
396500.03 3870034.55 0.40687
396524.98 3870034.55 0.40837
396549.92 3870034.55 0.40857
396574.87 3870034.55 0.40730
396599.81 3870034.55 0.40648
396624.76 3870034.56 0.40494
396649.70 3870034.56 0.40176
396674.65 3870034.56 0.39666
396699.59 3870034.56 0.39058
396724.54 3870034.56 0.38036
395808.83 3870052.17 0.06862
395773.43 3870037.48 0.05985
395748.43 3870012.42 0.05798
395851.47 3870059.52 0.08560
395876.41 3870059.52 0.10067
395901.36 3870059.52 0.11814
395926.30 3870059.52 0.13674
395951.25 3870059.53 0.15528
395976.19 3870059.53 0.17376
396001.14 3870059.53 0.19104
396026.08 3870059.53 0.20658
396051.03 3870059.53 0.22066
396075.97 3870059.53 0.23361
396100.92 3870059.53 0.24554
396125.86 3870059.53 0.25653
396150.81 3870059.53 0.26749
396175.75 3870059.54 0.27778
396200.70 3870059.54 0.28694
396225.64 3870059.54 0.29496
396250.59 3870059.54 0.30238
396275.53 3870059.54 0.30924
396300.48 3870059.54 0.31555
396325.42 3870059.54 0.32204
396350.36 3870059.54 0.32762
396375.31 3870059.54 0.33221
396400.25 3870059.55 0.33650
396425.20 3870059.55 0.34035
396450.14 3870059.55 0.34371

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396475.09 | 3870059.55 | 0.34659 | 396500.03 | 3870059.55 | 0.34898 |
| 396524.98 | 3870059.55 | 0.35087 | 396549.92 | 3870059.55 | 0.35215 |
| 396574.87 | 3870059.55 | 0.35195 | 396599.81 | 3870059.55 | 0.35172 |
| 396624.76 | 3870059.56 | 0.35076 | 396649.70 | 3870059.56 | 0.34877 |
| 396674.65 | 3870059.56 | 0.34528 | 396699.59 | 3870059.56 | 0.33947 |
| 396724.54 | 3870059.56 | 0.33233 | 395805.28 | 3870100.71 | 0.05505 |
| 395784.05 | 3870091.89 | 0.05164 | 395762.81 | 3870083.08 | 0.04846 |
| 395741.57 | 3870074.26 | 0.04556 | 395711.57 | 3870044.19 | 0.04405 |
| 395702.81 | 3870022.93 | 0.04531 | 395694.05 | 3870001.66 | 0.04669 |
| 395685.29 | 3869980.40 | 0.04820 | 395826.52 | 3870109.52 | 0.05857 |
| 395851.47 | 3870109.52 | 0.06609 | 395876.41 | 3870109.52 | 0.07487 |
| 395901.36 | 3870109.52 | 0.08485 | 395926.30 | 3870109.52 | 0.09591 |
| 395951.25 | 3870109.53 | 0.10770 | 395976.19 | 3870109.53 | 0.11978 |
| 396001.14 | 3870109.53 | 0.13176 | 396026.08 | 3870109.53 | 0.14413 |
| 396051.03 | 3870109.53 | 0.15590 | 396075.97 | 3870109.53 | 0.16649 |
| 396100.92 | 3870109.53 | 0.17649 | 396125.86 | 3870109.53 | 0.18589 |

| | | |
|---|---|---|
| 396150.80 | 3870109.53 | 0.19471 |
| 396175.75 | 3870109.54 | 0.20297 |
| 396200.69 | 3870109.54 | 0.21120 |
| 396225.64 | 3870109.54 | 0.21933 |
| 396250.58 | 3870109.54 | 0.22627 |
| 396275.53 | 3870109.54 | 0.23259 |
| 396300.47 | 3870109.54 | 0.23847 |
| 396325.42 | 3870109.54 | 0.24392 |
| 396350.36 | 3870109.54 | 0.24895 |
| 396375.31 | 3870109.54 | 0.25385 |
| 396400.25 | 3870109.55 | 0.25843 |
| 396425.20 | 3870109.55 | 0.26213 |
| 396450.14 | 3870109.55 | 0.26551 |
| 396475.09 | 3870109.55 | 0.26851 |
| 396500.03 | 3870109.55 | 0.27107 |
| 396524.98 | 3870109.55 | 0.27317 |
| 396549.92 | 3870109.55 | 0.27479 |
| 396574.86 | 3870109.55 | 0.27587 |
| 396599.81 | 3870109.55 | 0.27638 |
| 396624.75 | 3870109.56 | 0.27623 |
| 396649.70 | 3870109.56 | 0.27538 |
| 396674.64 | 3870109.56 | 0.27367 |
| 396699.59 | 3870109.56 | 0.27098 |
| 396724.53 | 3870109.56 | 0.26721 |
| 395806.29 | 3870151.13 | 0.04695 |
| 395765.84 | 3870134.34 | 0.04237 |
| 395725.38 | 3870117.55 | 0.03824 |
| 395676.58 | 3870080.51 | 0.03534 |
| 395659.90 | 3870040.01 | 0.03687 |
| 395643.22 | 3869999.51 | 0.03860 |
| 395851.47 | 3870159.52 | 0.05421 |
| 395876.41 | 3870159.52 | 0.06015 |
| 395901.36 | 3870159.52 | 0.06689 |
| 395926.30 | 3870159.52 | 0.07412 |
| 395951.24 | 3870159.53 | 0.08198 |
| 395976.19 | 3870159.53 | 0.09033 |
| 396001.13 | 3870159.53 | 0.09896 |
| 396026.08 | 3870159.53 | 0.10778 |
| 396051.02 | 3870159.53 | 0.11682 |
| 396075.97 | 3870159.53 | 0.12577 |
| 396100.91 | 3870159.53 | 0.13396 |
| 396125.86 | 3870159.53 | 0.14183 |
| 396150.80 | 3870159.53 | 0.14935 |
| 396175.75 | 3870159.54 | 0.15650 |
| 396200.69 | 3870159.54 | 0.16331 |
| 396225.64 | 3870159.54 | 0.16980 |
| 396250.58 | 3870159.54 | 0.17610 |
| 396275.53 | 3870159.54 | 0.18260 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396300.47 | 3870159.54 | 0.18813 | 396325.42 | 3870159.54 | 0.19320 |
| 396350.36 | 3870159.54 | 0.19792 | 396375.30 | 3870159.54 | 0.20230 |
| 396400.25 | 3870159.55 | 0.20635 | 396425.19 | 3870159.55 | 0.21024 |
| 396450.14 | 3870159.55 | 0.21362 | 396475.08 | 3870159.55 | 0.21682 |
| 396500.03 | 3870159.55 | 0.21932 | 396524.97 | 3870159.55 | 0.22151 |
| 396549.92 | 3870159.55 | 0.22330 | 396574.86 | 3870159.55 | 0.22465 |
| 396599.81 | 3870159.55 | 0.22556 | 396624.75 | 3870159.56 | 0.22597 |
| 396649.70 | 3870159.56 | 0.22584 | 396674.64 | 3870159.56 | 0.22513 |
| 396699.59 | 3870159.56 | 0.22381 | 396724.53 | 3870159.56 | 0.22186 |
| 395804.39 | 3870200.34 | 0.04070 | 395782.27 | 3870191.16 | 0.03879 |
| 395760.15 | 3870181.98 | 0.03691 | 395738.02 | 3870172.79 | 0.03509 |
| 395715.90 | 3870163.61 | 0.03339 | 395693.77 | 3870154.43 | 0.03169 |
| 395671.65 | 3870145.25 | 0.03013 | 395640.40 | 3870113.92 | 0.02936 |
| 395631.28 | 3870091.77 | 0.02994 | 395622.15 | 3870069.63 | 0.03061 |
| 395613.03 | 3870047.48 | 0.03124 | 395603.90 | 3870025.33 | 0.03189 |
| 395594.78 | 3870003.18 | 0.03259 | 395585.66 | 3869981.04 | 0.03334 |

| | | | | | |
|---|---|---|---|---|---|
| 395826.52 | 3870209.52 | 0.04264 | 395851.46 | 3870209.52 | 0.04626 |
| 395876.41 | 3870209.52 | 0.05036 | 395901.35 | 3870209.52 | 0.05514 |
| 395926.30 | 3870209.52 | 0.06054 | 395951.24 | 3870209.53 | 0.06612 |
| 395976.19 | 3870209.53 | 0.07209 | 396001.13 | 3870209.53 | 0.07840 |
| 396026.08 | 3870209.53 | 0.08493 | 396051.02 | 3870209.53 | 0.09174 |
| 396075.97 | 3870209.53 | 0.09875 | 396100.91 | 3870209.53 | 0.10567 |
| 396125.86 | 3870209.53 | 0.11218 | 396150.80 | 3870209.53 | 0.11851 |
| 396175.74 | 3870209.54 | 0.12462 | 396200.69 | 3870209.54 | 0.13052 |
| 396225.63 | 3870209.54 | 0.13618 | 396250.58 | 3870209.54 | 0.14159 |
| 396275.52 | 3870209.54 | 0.14675 | 396300.47 | 3870209.54 | 0.15197 |
| 396325.41 | 3870209.54 | 0.15698 | 396350.36 | 3870209.54 | 0.16154 |
| 396375.30 | 3870209.54 | 0.16563 | 396400.25 | 3870209.55 | 0.16943 |
| 396425.19 | 3870209.55 | 0.17293 | 396450.14 | 3870209.55 | 0.17613 |
| 396475.08 | 3870209.55 | 0.17902 | 396500.03 | 3870209.55 | 0.18175 |
| 396524.97 | 3870209.55 | 0.18417 | 396549.92 | 3870209.55 | 0.18599 |
| 396574.86 | 3870209.55 | 0.18753 | 396599.81 | 3870209.55 | 0.18870 |
| 396624.75 | 3870209.56 | 0.18946 | 396649.69 | 3870209.56 | 0.18981 |
| 396674.64 | 3870209.56 | 0.18975 | 396699.58 | 3870209.56 | 0.18928 |
| 396724.53 | 3870209.56 | 0.18836 | 395805.06 | 3870283.95 | 0.03346 |
| 395783.61 | 3870275.05 | 0.03221 | 395762.15 | 3870266.14 | 0.03092 |
| 395740.70 | 3870257.24 | 0.02956 | 395719.25 | 3870248.34 | 0.02834 |
| 395697.79 | 3870239.43 | 0.02718 | 395676.34 | 3870230.53 | 0.02609 |
| 395654.89 | 3870221.63 | 0.02506 | 395633.43 | 3870212.73 | 0.02410 |
| 395611.98 | 3870203.82 | 0.02319 | 395581.68 | 3870173.44 | 0.02265 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395572.83 | 3870151.97 | 0.02297 | 395563.98 | 3870130.49 | 0.02333 |
| 395555.13 | 3870109.01 | 0.02371 | 395546.29 | 3870087.54 | 0.02410 |
| 395537.44 | 3870066.06 | 0.02453 | 395528.59 | 3870044.58 | 0.02503 |
| 395519.74 | 3870023.11 | 0.02544 | 395510.89 | 3870001.63 | 0.02591 |
| 395502.05 | 3869980.16 | 0.02641 | 395826.52 | 3870292.85 | 0.03472 |
| 395851.46 | 3870292.85 | 0.03714 | 395876.40 | 3870292.86 | 0.03983 |
| 395901.35 | 3870292.86 | 0.04281 | 395926.29 | 3870292.86 | 0.04612 |
| 395951.24 | 3870292.86 | 0.04985 | 395976.18 | 3870292.86 | 0.05368 |
| 396001.13 | 3870292.86 | 0.05769 | 396026.07 | 3870292.86 | 0.06188 |
| 396051.02 | 3870292.86 | 0.06626 | 396075.96 | 3870292.86 | 0.07079 |
| 396100.91 | 3870292.87 | 0.07542 | 396125.85 | 3870292.87 | 0.08043 |
| 396150.80 | 3870292.87 | 0.08526 | 396175.74 | 3870292.87 | 0.08994 |
| 396200.69 | 3870292.87 | 0.09451 | 396225.63 | 3870292.87 | 0.09898 |
| 396250.58 | 3870292.87 | 0.10333 | 396275.52 | 3870292.87 | 0.10753 |
| 396300.46 | 3870292.87 | 0.11157 | 396325.41 | 3870292.88 | 0.11545 |
| 396350.35 | 3870292.88 | 0.11915 | 396375.30 | 3870292.88 | 0.12275 |

| | | |
|---|---|---|
| 396400.24 | 3870292.88 | 0.12645 |
| 396425.19 | 3870292.88 | 0.12968 |
| 396450.13 | 3870292.88 | 0.13259 |
| 396475.08 | 3870292.88 | 0.13526 |
| 396500.02 | 3870292.88 | 0.13769 |
| 396524.97 | 3870292.88 | 0.13988 |
| 396549.91 | 3870292.89 | 0.14181 |
| 396574.86 | 3870292.89 | 0.14348 |
| 396599.80 | 3870292.89 | 0.14487 |
| 396624.75 | 3870292.89 | 0.14599 |
| 396649.69 | 3870292.89 | 0.14684 |
| 396674.64 | 3870292.89 | 0.14744 |
| 396699.58 | 3870292.89 | 0.14778 |
| 396724.53 | 3870292.89 | 0.14783 |
| 395803.82 | 3870366.77 | 0.02824 |
| 395781.13 | 3870357.35 | 0.02728 |
| 395758.44 | 3870347.94 | 0.02627 |
| 395735.75 | 3870338.52 | 0.02522 |
| 395713.05 | 3870329.10 | 0.02426 |
| 395690.36 | 3870319.69 | 0.02332 |
| 395667.67 | 3870310.27 | 0.02242 |
| 395644.98 | 3870300.85 | 0.02157 |
| 395622.29 | 3870291.44 | 0.02078 |
| 395599.60 | 3870282.02 | 0.02004 |
| 395576.91 | 3870272.60 | 0.01884 |
| 395554.22 | 3870263.19 | 0.01809 |
| 395522.17 | 3870231.05 | 0.01770 |
| 395512.81 | 3870208.34 | 0.01799 |
| 395503.45 | 3870185.62 | 0.01824 |
| 395494.09 | 3870162.91 | 0.01852 |
| 395484.73 | 3870140.19 | 0.01890 |
| 395475.37 | 3870117.48 | 0.01925 |
| 395466.02 | 3870094.76 | 0.01998 |
| 395456.66 | 3870072.05 | 0.02028 |
| 395447.30 | 3870049.33 | 0.02058 |
| 395437.94 | 3870026.62 | 0.02091 |
| 395428.58 | 3870003.90 | 0.02126 |
| 395419.22 | 3869981.18 | 0.02164 |
| 395826.51 | 3870376.19 | 0.02922 |
| 395851.46 | 3870376.19 | 0.03097 |
| 395876.40 | 3870376.19 | 0.03290 |
| 395901.35 | 3870376.19 | 0.03502 |
| 395926.29 | 3870376.19 | 0.03732 |
| 395951.24 | 3870376.19 | 0.03980 |
| 395976.18 | 3870376.19 | 0.04242 |
| 396001.12 | 3870376.19 | 0.04536 |
| 396026.07 | 3870376.20 | 0.04834 |
| 396051.01 | 3870376.20 | 0.05136 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396075.96 | 3870376.20 | 0.05450 | 396100.90 | 3870376.20 | 0.05775 |
| 396125.85 | 3870376.20 | 0.06109 | 396150.79 | 3870376.20 | 0.06450 |
| 396175.74 | 3870376.20 | 0.06816 | 396200.68 | 3870376.20 | 0.07181 |
| 396225.63 | 3870376.20 | 0.07528 | 396250.57 | 3870376.21 | 0.07869 |
| 396275.52 | 3870376.21 | 0.08205 | 396300.46 | 3870376.21 | 0.08533 |
| 396325.41 | 3870376.21 | 0.08851 | 396350.35 | 3870376.21 | 0.09158 |
| 396375.30 | 3870376.21 | 0.09454 | 396400.24 | 3870376.21 | 0.09737 |
| 396425.18 | 3870376.21 | 0.10006 | 396450.13 | 3870376.21 | 0.10261 |
| 396475.07 | 3870376.22 | 0.10523 | 396500.02 | 3870376.22 | 0.10766 |
| 396524.96 | 3870376.22 | 0.10970 | 396549.91 | 3870376.22 | 0.11154 |
| 396574.85 | 3870376.22 | 0.11319 | 396599.80 | 3870376.22 | 0.11464 |
| 396624.74 | 3870376.22 | 0.11591 | 396649.69 | 3870376.22 | 0.11701 |
| 396674.63 | 3870376.22 | 0.11793 | 396699.58 | 3870376.23 | 0.11867 |
| 396724.52 | 3870376.23 | 0.11921 | 395804.38 | 3870450.34 | 0.02436 |
| 395782.26 | 3870441.16 | 0.02363 | 395760.14 | 3870431.98 | 0.02290 |
| 395738.01 | 3870422.79 | 0.02218 | 395715.89 | 3870413.61 | 0.02144 |

| | | | | | |
|---|---|---|---|---|---|
| | 395693.76 | 3870404.43 | 0.02071 | | |
| 395671.64 | 3870395.25 | 0.01953 | | | |
| | 395649.52 | 3870386.07 | 0.01881 | | |
| 395627.39 | 3870376.89 | 0.01809 | | | |
| | 395605.27 | 3870367.71 | 0.01744 | | |
| 395583.14 | 3870358.53 | 0.01688 | | | |
| | 395561.02 | 3870349.34 | 0.01636 | | |
| 395538.90 | 3870340.16 | 0.01588 | | | |
| | 395516.77 | 3870330.98 | 0.01542 | | |
| 395494.65 | 3870321.80 | 0.01498 | | | |
| | 395463.40 | 3870290.47 | 0.01472 | | |
| 395454.27 | 3870268.32 | 0.01491 | | | |
| | 395445.15 | 3870246.18 | 0.01511 | | |
| 395436.03 | 3870224.03 | 0.01534 | | | |
| | 395426.90 | 3870201.88 | 0.01558 | | |
| 395417.78 | 3870179.73 | 0.01582 | | | |
| | 395408.65 | 3870157.59 | 0.01605 | | |
| 395399.53 | 3870135.44 | 0.01626 | | | |
| | 395390.40 | 3870113.29 | 0.01646 | | |
| 395381.28 | 3870091.14 | 0.01666 | | | |
| | 395372.15 | 3870069.00 | 0.01688 | | |
| 395363.03 | 3870046.85 | 0.01713 | | | |
| | 395353.91 | 3870024.70 | 0.01742 | | |
| 395344.78 | 3870002.55 | 0.01775 | | | |
| | 395335.66 | 3869980.41 | 0.01810 | | |
| 395826.51 | 3870459.52 | 0.02512 | | | |
| | 395851.45 | 3870459.52 | 0.02645 | | |
| 395876.40 | 3870459.52 | 0.02797 | | | |
| | 395901.34 | 3870459.52 | 0.02962 | | |
| 395926.29 | 3870459.52 | 0.03135 | | | |
| | 395951.23 | 3870459.53 | 0.03321 | | |
| 395976.18 | 3870459.53 | 0.03517 | | | |
| | 396001.12 | 3870459.53 | 0.03721 | | |
| 396026.07 | 3870459.53 | 0.03935 | | | |
| | 396051.01 | 3870459.53 | 0.04163 | | |
| 396075.95 | 3870459.53 | 0.04401 | | | |
| | 396100.90 | 3870459.53 | 0.04635 | | |
| 396125.84 | 3870459.53 | 0.04877 | | | |
| | 396150.79 | 3870459.53 | 0.05125 | | |
| 396175.73 | 3870459.54 | 0.05380 | | | |
| | 396200.68 | 3870459.54 | 0.05639 | | |
| 396225.62 | 3870459.54 | 0.05902 | | | |
| | 396250.57 | 3870459.54 | 0.06165 | | |
| 396275.51 | 3870459.54 | 0.06434 | | | |
| | 396300.46 | 3870459.54 | 0.06716 | | |
| 396325.40 | 3870459.54 | 0.06982 | | | |
| | 396350.35 | 3870459.54 | 0.07236 | | |
| 396375.29 | 3870459.54 | 0.07484 | | | |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396400.24 | 3870459.55 | 0.07723 | 396425.18 | 3870459.55 | 0.07954 |
| 396450.13 | 3870459.55 | 0.08174 | 396475.07 | 3870459.55 | 0.08382 |
| 396500.02 | 3870459.55 | 0.08578 | 396524.96 | 3870459.55 | 0.08761 |
| 396549.90 | 3870459.55 | 0.08930 | 396574.85 | 3870459.55 | 0.09092 |
| 396599.79 | 3870459.55 | 0.09255 | 396624.74 | 3870459.56 | 0.09395 |
| 396649.68 | 3870459.56 | 0.09514 | 396674.63 | 3870459.56 | 0.09620 |
| 396699.57 | 3870459.56 | 0.09714 | 396724.52 | 3870459.56 | 0.09791 |
| 395804.37 | 3870700.34 | 0.01670 | 395782.25 | 3870691.16 | 0.01637 |
| 395760.12 | 3870681.98 | 0.01606 | 395738.00 | 3870672.79 | 0.01573 |
| 395715.88 | 3870663.61 | 0.01538 | 395693.75 | 3870654.43 | 0.01501 |
| 395671.63 | 3870645.25 | 0.01460 | 395649.50 | 3870636.07 | 0.01418 |
| 395627.38 | 3870626.89 | 0.01371 | 395605.26 | 3870617.71 | 0.01324 |
| 395583.13 | 3870608.53 | 0.01275 | 395561.01 | 3870599.34 | 0.01234 |
| 395538.88 | 3870590.16 | 0.01196 | 395516.76 | 3870580.98 | 0.01160 |
| 395494.64 | 3870571.80 | 0.01127 | 395472.51 | 3870562.62 | 0.01097 |
| 395450.39 | 3870553.44 | 0.01064 | 395428.26 | 3870544.26 | 0.01036 |

395406.14 3870535.08 0.01014
395384.02 3870525.89 0.00993
395361.89 3870516.71 0.00973
395339.77 3870507.53 0.00951
395317.64 3870498.35 0.00927
395286.40 3870467.02 0.00922
395277.27 3870444.87 0.00933
395268.15 3870422.73 0.00946
395259.02 3870400.58 0.00960
395249.90 3870378.43 0.00975
395240.77 3870356.28 0.00993
395231.65 3870334.14 0.01007
395222.52 3870311.99 0.01023
395213.40 3870289.84 0.01042
395204.28 3870267.69 0.01058
395195.15 3870245.55 0.01072
395186.03 3870223.40 0.01082
395176.90 3870201.25 0.01090
395167.78 3870179.10 0.01097
395158.65 3870156.96 0.01106
395149.53 3870134.81 0.01117
395140.40 3870112.66 0.01131
395131.28 3870090.51 0.01144
395122.15 3870068.37 0.01158
395113.03 3870046.22 0.01173
395103.91 3870024.07 0.01189
395094.78 3870001.92 0.01205
395085.66 3869979.78 0.01222
395826.50 3870709.52 0.01702
395851.44 3870709.52 0.01778
395876.39 3870709.52 0.01925
395901.33 3870709.52 0.02006
395926.28 3870709.52 0.02093
395951.22 3870709.53 0.02185
395976.16 3870709.53 0.02283
396001.11 3870709.53 0.02385
396026.05 3870709.53 0.02490
396051.00 3870709.53 0.02598
396075.94 3870709.53 0.02708
396100.89 3870709.53 0.02820
396125.83 3870709.53 0.02941
396150.78 3870709.53 0.03055
396175.72 3870709.54 0.03170
396200.67 3870709.54 0.03286
396225.61 3870709.54 0.03405
396250.56 3870709.54 0.03526
396275.50 3870709.54 0.03649
396300.45 3870709.54 0.03775

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396325.39 | 3870709.54 | 0.03902 | 396350.34 | 3870709.54 | 0.04032 |
| 396375.28 | 3870709.54 | 0.04162 | 396400.23 | 3870709.55 | 0.04292 |
| 396425.17 | 3870709.55 | 0.04421 | 396450.11 | 3870709.55 | 0.04550 |
| 396475.06 | 3870709.55 | 0.04677 | 396500.00 | 3870709.55 | 0.04808 |
| 396524.95 | 3870709.55 | 0.04942 | 396549.89 | 3870709.55 | 0.05063 |
| 396574.84 | 3870709.55 | 0.05182 | 396599.78 | 3870709.55 | 0.05299 |
| 396624.73 | 3870709.56 | 0.05413 | 396649.67 | 3870709.56 | 0.05524 |
| 396674.62 | 3870709.56 | 0.05631 | 396699.56 | 3870709.56 | 0.05730 |
| 396724.51 | 3870709.56 | 0.05822 | 395803.65 | 3870950.04 | 0.01273 |
| 395780.81 | 3870940.57 | 0.01255 | 395757.97 | 3870931.09 | 0.01238 |
| 395735.13 | 3870921.61 | 0.01220 | 395712.30 | 3870912.13 | 0.01202 |
| 395689.46 | 3870902.66 | 0.01177 | 395666.62 | 3870893.18 | 0.01153 |
| 395643.78 | 3870883.70 | 0.01124 | 395620.95 | 3870874.22 | 0.01097 |
| 395598.11 | 3870864.75 | 0.01069 | 395575.27 | 3870855.27 | 0.01040 |
| 395552.43 | 3870845.79 | 0.01011 | 395529.60 | 3870836.31 | 0.00983 |
| 395506.76 | 3870826.84 | 0.00954 | 395483.92 | 3870817.36 | 0.00927 |

395461.08 3870807.88 0.00899
395438.24 3870798.40 0.00873
395415.41 3870788.93 0.00844
395392.57 3870779.45 0.00820
395369.73 3870769.97 0.00800
395346.89 3870760.49 0.00781
395324.06 3870751.02 0.00764
395301.22 3870741.54 0.00748
395278.38 3870732.06 0.00733
395255.54 3870722.58 0.00718
395232.70 3870713.11 0.00700
395209.87 3870703.63 0.00687
395187.03 3870694.15 0.00676
395164.19 3870684.67 0.00665
395141.35 3870675.20 0.00655
395109.10 3870642.86 0.00646
395099.68 3870619.99 0.00652
395090.26 3870597.13 0.00656
395080.84 3870574.27 0.00654
395071.42 3870551.41 0.00645
395062.00 3870528.55 0.00607
395052.58 3870505.68 0.00581
395043.17 3870482.82 0.00561
395033.75 3870459.96 0.00553
395024.33 3870437.10 0.00571
395014.91 3870414.24 0.00611
395005.49 3870391.38 0.00668
394996.07 3870368.51 0.00731
394986.65 3870345.65 0.00780
394977.23 3870322.79 0.00791
394967.82 3870299.93 0.00797
394958.40 3870277.07 0.00800
394948.98 3870254.20 0.00803
394939.56 3870231.34 0.00806
394930.14 3870208.48 0.00816
394920.72 3870185.62 0.00825
394911.30 3870162.76 0.00833
394901.88 3870139.89 0.00842
394892.46 3870117.03 0.00853
394883.05 3870094.17 0.00864
394873.63 3870071.31 0.00877
394864.21 3870048.45 0.00893
394854.79 3870025.58 0.00906
394845.37 3870002.72 0.00918
394835.95 3869979.86 0.00929
395826.49 3870959.52 0.01292
395851.43 3870959.52 0.01329
395876.37 3870959.52 0.01374

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395901.32 | 3870959.52 | 0.01428 | 395926.26 | 3870959.52 | 0.01485 |
| 395951.21 | 3870959.53 | 0.01542 | 395976.15 | 3870959.53 | 0.01605 |
| 396001.10 | 3870959.53 | 0.01671 | 396026.04 | 3870959.53 | 0.01739 |
| 396050.99 | 3870959.53 | 0.01809 | 396075.93 | 3870959.53 | 0.01879 |
| 396100.88 | 3870959.53 | 0.01948 | 396125.82 | 3870959.53 | 0.02016 |
| 396150.77 | 3870959.53 | 0.02089 | 396175.71 | 3870959.54 | 0.02155 |
| 396200.66 | 3870959.54 | 0.02219 | 396225.60 | 3870959.54 | 0.02326 |
| 396250.55 | 3870959.54 | 0.02388 | 396275.49 | 3870959.54 | 0.02450 |
| 396300.44 | 3870959.54 | 0.02511 | 396325.38 | 3870959.54 | 0.02573 |
| 396350.32 | 3870959.54 | 0.02635 | 396375.27 | 3870959.54 | 0.02698 |
| 396400.21 | 3870959.55 | 0.02762 | 396425.16 | 3870959.55 | 0.02827 |
| 396450.10 | 3870959.55 | 0.02898 | 396475.05 | 3870959.55 | 0.02972 |
| 396499.99 | 3870959.55 | 0.03044 | 396524.94 | 3870959.55 | 0.03114 |
| 396549.88 | 3870959.55 | 0.03185 | 396574.83 | 3870959.55 | 0.03272 |
| 396599.77 | 3870959.55 | 0.03354 | 396624.72 | 3870959.56 | 0.03434 |
| 396649.66 | 3870959.56 | 0.03515 | 396674.61 | 3870959.56 | 0.03595 |

| | | | | | |
|---|---|---|---|---|---|
| | 396699.55 | 3870959.56 | 0.03674 | | |
| 396724.50 | 3870959.56 | 0.03751 | | | |
| | 395803.94 | 3871350.17 | 0.00921 | | |
| 395781.42 | 3871340.82 | 0.00910 | | | |
| | 395758.89 | 3871331.48 | 0.00898 | | |
| 395736.36 | 3871322.13 | 0.00887 | | | |
| | 395713.84 | 3871312.78 | 0.00876 | | |
| 395691.31 | 3871303.43 | 0.00864 | | | |
| | 395668.78 | 3871294.08 | 0.00852 | | |
| 395646.26 | 3871284.73 | 0.00840 | | | |
| | 395623.73 | 3871275.39 | 0.00827 | | |
| 395601.20 | 3871266.04 | 0.00813 | | | |
| | 395578.68 | 3871256.69 | 0.00798 | | |
| 395556.15 | 3871247.34 | 0.00783 | | | |
| | 395533.63 | 3871237.99 | 0.00763 | | |
| 395511.10 | 3871228.64 | 0.00747 | | | |
| | 395488.57 | 3871219.30 | 0.00729 | | |
| 395466.05 | 3871209.95 | 0.00714 | | | |
| | 395443.52 | 3871200.60 | 0.00698 | | |
| 395420.99 | 3871191.25 | 0.00683 | | | |
| | 395398.47 | 3871181.90 | 0.00669 | | |
| 395375.94 | 3871172.56 | 0.00654 | | | |
| | 395353.42 | 3871163.21 | 0.00640 | | |
| 395330.89 | 3871153.86 | 0.00626 | | | |
| | 395308.36 | 3871144.51 | 0.00613 | | |
| 395285.84 | 3871135.16 | 0.00601 | | | |
| | 395263.31 | 3871125.81 | 0.00589 | | |
| 395240.78 | 3871116.47 | 0.00577 | | | |
| | 395218.26 | 3871107.12 | 0.00567 | | |
| 395195.73 | 3871097.77 | 0.00557 | | | |
| | 395173.21 | 3871088.42 | 0.00545 | | |
| 395150.68 | 3871079.07 | 0.00537 | | | |
| | 395128.15 | 3871069.73 | 0.00528 | | |
| 395105.63 | 3871060.38 | 0.00521 | | | |
| | 395083.10 | 3871051.03 | 0.00513 | | |
| 395060.57 | 3871041.68 | 0.00506 | | | |
| | 395038.05 | 3871032.33 | 0.00498 | | |
| 395015.52 | 3871022.98 | 0.00491 | | | |
| | 394992.99 | 3871013.64 | 0.00480 | | |
| 394970.47 | 3871004.29 | 0.00472 | | | |
| | 394947.94 | 3870994.94 | 0.00464 | | |
| 394925.42 | 3870985.59 | 0.00456 | | | |
| | 394902.89 | 3870976.24 | 0.00448 | | |
| 394880.36 | 3870966.89 | 0.00437 | | | |
| | 394857.84 | 3870957.55 | 0.00427 | | |
| 394826.02 | 3870925.65 | 0.00419 | | | |
| | 394816.73 | 3870903.10 | 0.00420 | | |
| 394807.44 | 3870880.55 | 0.00422 | | | |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 394798.15 | 3870858.00 | 0.00425 | 394788.86 | 3870835.45 | 0.00427 |
| 394779.57 | 3870812.90 | 0.00429 | 394770.28 | 3870790.35 | 0.00435 |
| 394760.99 | 3870767.80 | 0.00442 | 394751.70 | 3870745.25 | 0.00447 |
| 394742.41 | 3870722.70 | 0.00453 | 394733.12 | 3870700.15 | 0.00461 |
| 394723.83 | 3870677.60 | 0.00466 | 394714.54 | 3870655.05 | 0.00465 |
| 394705.25 | 3870632.50 | 0.00460 | 394695.96 | 3870609.95 | 0.00452 |
| 394686.66 | 3870587.39 | 0.00444 | 394677.37 | 3870564.84 | 0.00431 |
| 394668.08 | 3870542.29 | 0.00418 | 394658.79 | 3870519.74 | 0.00402 |
| 394649.50 | 3870497.19 | 0.00391 | 394640.21 | 3870474.64 | 0.00403 |
| 394630.92 | 3870452.09 | 0.00423 | 394621.63 | 3870429.54 | 0.00449 |
| 394612.34 | 3870406.99 | 0.00477 | 394603.05 | 3870384.44 | 0.00503 |
| 394593.76 | 3870361.89 | 0.00525 | 394584.47 | 3870339.34 | 0.00546 |
| 394575.18 | 3870316.79 | 0.00563 | 394565.89 | 3870294.24 | 0.00572 |
| 394556.60 | 3870271.69 | 0.00584 | 394547.31 | 3870249.14 | 0.00595 |
| 394538.02 | 3870226.59 | 0.00603 | 394528.73 | 3870204.04 | 0.00611 |
| 394519.44 | 3870181.49 | 0.00617 | 394510.15 | 3870158.94 | 0.00621 |

394500.86 3870136.39 0.00623
394491.57 3870113.84 0.00625
394482.28 3870091.29 0.00627
394472.99 3870068.74 0.00629
394463.70 3870046.19 0.00631
394454.41 3870023.64 0.00633
394445.12 3870001.09 0.00634
394435.82 3869978.54 0.00633
395826.47 3871359.52 0.00933
395851.41 3871359.52 0.00953
395876.36 3871359.52 0.00974
395901.30 3871359.52 0.00999
395926.25 3871359.52 0.01028
395951.19 3871359.53 0.01063
395976.14 3871359.53 0.01093
396001.08 3871359.53 0.01126
396026.03 3871359.53 0.01160
396050.97 3871359.53 0.01195
396075.91 3871359.53 0.01231
396100.86 3871359.53 0.01267
396125.80 3871359.53 0.01302
396150.75 3871359.53 0.01347
396175.69 3871359.54 0.01385
396200.64 3871359.54 0.01417
396225.58 3871359.54 0.01448
396250.53 3871359.54 0.01478
396275.47 3871359.54 0.01506
396300.42 3871359.54 0.01532
396325.36 3871359.54 0.01557
396350.31 3871359.54 0.01586
396375.25 3871359.54 0.01619
396400.20 3871359.55 0.01641
396425.14 3871359.55 0.01664
396450.09 3871359.55 0.01687
396475.03 3871359.55 0.01710
396499.98 3871359.55 0.01735
396524.92 3871359.55 0.01761
396549.86 3871359.55 0.01790
396574.81 3871359.55 0.01821
396599.75 3871359.55 0.01855
396624.70 3871359.56 0.01891
396649.64 3871359.56 0.01930
396674.59 3871359.56 0.01975
396699.53 3871359.56 0.02081
396724.48 3871359.56 0.02121
395803.69 3871750.08 0.00728
395780.94 3871740.63 0.00722
395758.18 3871731.19 0.00719

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395735.43 | 3871721.75 | 0.00714 | 395712.67 | 3871712.30 | 0.00708 |
| 395689.91 | 3871702.86 | 0.00701 | 395667.16 | 3871693.41 | 0.00694 |
| 395644.40 | 3871683.97 | 0.00686 | 395621.64 | 3871674.53 | 0.00677 |
| 395598.89 | 3871665.08 | 0.00667 | 395576.13 | 3871655.64 | 0.00654 |
| 395553.38 | 3871646.20 | 0.00642 | 395530.62 | 3871636.75 | 0.00632 |
| 395507.86 | 3871627.31 | 0.00615 | 395485.11 | 3871617.87 | 0.00599 |
| 395462.35 | 3871608.42 | 0.00586 | 395439.60 | 3871598.98 | 0.00573 |
| 395416.84 | 3871589.53 | 0.00560 | 395394.08 | 3871580.09 | 0.00545 |
| 395371.33 | 3871570.65 | 0.00531 | 395348.57 | 3871561.20 | 0.00521 |
| 395325.81 | 3871551.76 | 0.00511 | 395303.06 | 3871542.32 | 0.00502 |
| 395280.30 | 3871532.87 | 0.00493 | 395257.55 | 3871523.43 | 0.00484 |
| 395234.79 | 3871513.99 | 0.00476 | 395212.03 | 3871504.54 | 0.00466 |
| 395189.28 | 3871495.10 | 0.00457 | 395166.52 | 3871485.66 | 0.00448 |
| 395143.77 | 3871476.21 | 0.00440 | 395121.01 | 3871466.77 | 0.00434 |
| 395098.25 | 3871457.32 | 0.00427 | 395075.50 | 3871447.88 | 0.00422 |
| 395052.74 | 3871438.44 | 0.00416 | 395029.98 | 3871428.99 | 0.00410 |

395007.23 3871419.55 0.00406
394984.47 3871410.11 0.00403
394961.72 3871400.66 0.00401
394938.96 3871391.22 0.00399
394916.20 3871381.78 0.00396
394893.45 3871372.33 0.00394
394870.69 3871362.89 0.00390
394847.94 3871353.44 0.00388
394825.18 3871344.00 0.00385
394802.42 3871334.56 0.00382
394779.67 3871325.11 0.00379
394756.91 3871315.67 0.00372
394734.15 3871306.23 0.00367
394711.40 3871296.78 0.00361
394688.64 3871287.34 0.00355
394665.89 3871277.90 0.00346
394643.13 3871268.45 0.00338
394620.37 3871259.01 0.00331
394597.62 3871249.56 0.00324
394574.86 3871240.12 0.00317
394542.72 3871207.90 0.00308
394533.34 3871185.12 0.00305
394523.95 3871162.34 0.00303
394514.56 3871139.56 0.00301
394505.18 3871116.78 0.00300
394495.79 3871094.00 0.00300
394486.41 3871071.22 0.00300
394477.02 3871048.44 0.00300
394467.64 3871025.65 0.00302
394458.25 3871002.87 0.00306
394448.87 3870980.09 0.00309
394439.48 3870957.31 0.00313
394430.10 3870934.53 0.00319
394420.71 3870911.75 0.00324
394411.33 3870888.97 0.00331
394401.94 3870866.19 0.00337
394392.56 3870843.41 0.00343
394383.17 3870820.63 0.00349
394373.79 3870797.85 0.00354
394364.40 3870775.07 0.00356
394355.02 3870752.29 0.00355
394345.63 3870729.51 0.00350
394336.25 3870706.73 0.00341
394326.86 3870683.95 0.00330
394317.48 3870661.17 0.00315
394308.09 3870638.39 0.00303
394298.71 3870615.61 0.00298
394289.32 3870592.83 0.00312

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 394279.94 | 3870570.05 | 0.00326 | 394270.55 | 3870547.27 | 0.00342 |
| 394261.17 | 3870524.49 | 0.00359 | 394251.78 | 3870501.71 | 0.00378 |
| 394242.39 | 3870478.93 | 0.00394 | 394233.01 | 3870456.15 | 0.00409 |
| 394223.62 | 3870433.37 | 0.00418 | 394214.24 | 3870410.59 | 0.00424 |
| 394204.85 | 3870387.81 | 0.00428 | 394195.47 | 3870365.03 | 0.00429 |
| 394186.08 | 3870342.25 | 0.00433 | 394176.70 | 3870319.47 | 0.00442 |
| 394167.31 | 3870296.68 | 0.00446 | 394157.93 | 3870273.90 | 0.00448 |
| 394148.54 | 3870251.12 | 0.00447 | 394139.16 | 3870228.34 | 0.00445 |
| 394129.77 | 3870205.56 | 0.00444 | 394120.39 | 3870182.78 | 0.00444 |
| 394111.00 | 3870160.00 | 0.00444 | 394101.62 | 3870137.22 | 0.00444 |
| 394092.23 | 3870114.44 | 0.00442 | 394082.85 | 3870091.66 | 0.00441 |
| 394073.46 | 3870068.88 | 0.00441 | 394064.08 | 3870046.10 | 0.00439 |
| 394054.69 | 3870023.32 | 0.00438 | 394045.31 | 3870000.54 | 0.00438 |
| 394035.92 | 3869977.76 | 0.00438 | 395826.45 | 3871759.52 | 0.00733 |
| 395851.39 | 3871759.52 | 0.00742 | 395876.34 | 3871759.52 | 0.00751 |
| 395901.28 | 3871759.52 | 0.00762 | 395926.23 | 3871759.52 | 0.00773 |

395951.17 3871759.53 0.00785
395976.12 3871759.53 0.00799
396001.06 3871759.53 0.00815
396026.01 3871759.53 0.00832
396050.95 3871759.53 0.00851
396075.90 3871759.53 0.00873
396100.84 3871759.53 0.00901
396125.79 3871759.53 0.00924
396150.73 3871759.53 0.00947
396175.68 3871759.54 0.00969
396200.62 3871759.54 0.00991
396225.57 3871759.54 0.01013
396250.51 3871759.54 0.01033
396275.45 3871759.54 0.01052
396300.40 3871759.54 0.01069
396325.34 3871759.54 0.01086
396350.29 3871759.54 0.01102
396375.23 3871759.54 0.01119
396400.18 3871759.55 0.01145
396425.12 3871759.55 0.01162
396450.07 3871759.55 0.01177
396475.01 3871759.55 0.01193
396499.96 3871759.55 0.01208
396524.90 3871759.55 0.01224
396549.85 3871759.55 0.01240
396574.79 3871759.55 0.01256
396599.74 3871759.55 0.01279
396624.68 3871759.56 0.01300
396649.63 3871759.56 0.01317
396674.57 3871759.56 0.01334
396699.52 3871759.56 0.01351
396724.46 3871759.56 0.01368
395803.53 3872150.01 0.00578
395780.62 3872140.51 0.00578
395757.72 3872131.00 0.00578
395734.81 3872121.50 0.00577
395711.91 3872111.99 0.00576
395689.00 3872102.49 0.00574
395666.10 3872092.98 0.00572
395643.19 3872083.48 0.00569
395620.29 3872073.97 0.00564
395597.38 3872064.47 0.00560
395574.48 3872054.96 0.00554
395551.57 3872045.46 0.00548
395528.67 3872035.95 0.00540
395505.76 3872026.45 0.00533
395482.86 3872016.94 0.00524
395459.95 3872007.43 0.00512

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395437.05 | 3871997.93 | 0.00498 | 395414.14 | 3871988.42 | 0.00488 |
| 395391.24 | 3871978.92 | 0.00476 | 395368.33 | 3871969.41 | 0.00465 |
| 395345.43 | 3871959.91 | 0.00454 | 395322.52 | 3871950.40 | 0.00444 |
| 395299.62 | 3871940.90 | 0.00434 | 395276.71 | 3871931.39 | 0.00424 |
| 395253.81 | 3871921.89 | 0.00414 | 395230.91 | 3871912.38 | 0.00402 |
| 395208.00 | 3871902.88 | 0.00394 | 395185.10 | 3871893.37 | 0.00386 |
| 395162.19 | 3871883.87 | 0.00379 | 395139.29 | 3871874.36 | 0.00372 |
| 395116.38 | 3871864.85 | 0.00365 | 395093.48 | 3871855.35 | 0.00357 |
| 395070.57 | 3871845.84 | 0.00349 | 395047.67 | 3871836.34 | 0.00344 |
| 395024.76 | 3871826.83 | 0.00338 | 395001.86 | 3871817.33 | 0.00334 |
| 394978.95 | 3871807.82 | 0.00330 | 394956.05 | 3871798.32 | 0.00326 |
| 394933.14 | 3871788.81 | 0.00323 | 394910.24 | 3871779.31 | 0.00321 |
| 394887.33 | 3871769.80 | 0.00319 | 394864.43 | 3871760.30 | 0.00318 |
| 394841.52 | 3871750.79 | 0.00315 | 394818.62 | 3871741.29 | 0.00317 |
| 394795.71 | 3871731.78 | 0.00316 | 394772.81 | 3871722.27 | 0.00315 |
| 394749.90 | 3871712.77 | 0.00315 | 394727.00 | 3871703.26 | 0.00316 |

| | | | | | |
|---|---|---|---|---|---|
| | 394704.09 | 3871693.76 | 0.00315 | 394681.19 | 3871684.25 |
| 0.00315 | | | | | |
| | 394658.28 | 3871674.75 | 0.00314 | 394635.38 | 3871665.24 |
| 0.00314 | | | | | |
| | 394612.47 | 3871655.74 | 0.00312 | 394589.57 | 3871646.23 |
| 0.00309 | | | | | |
| | 394566.66 | 3871636.73 | 0.00308 | 394543.76 | 3871627.22 |
| 0.00306 | | | | | |
| | 394520.85 | 3871617.72 | 0.00303 | 394497.95 | 3871608.21 |
| 0.00299 | | | | | |
| | 394475.04 | 3871598.71 | 0.00293 | 394452.14 | 3871589.20 |
| 0.00289 | | | | | |
| | 394429.23 | 3871579.69 | 0.00284 | 394406.33 | 3871570.19 |
| 0.00278 | | | | | |
| | 394383.42 | 3871560.68 | 0.00271 | 394360.52 | 3871551.18 |
| 0.00265 | | | | | |
| | 394337.61 | 3871541.67 | 0.00260 | 394314.71 | 3871532.17 |
| 0.00253 | | | | | |
| | 394291.80 | 3871522.66 | 0.00246 | 394259.45 | 3871490.23 |
| 0.00239 | | | | | |
| | 394250.01 | 3871467.30 | 0.00237 | 394240.56 | 3871444.37 |
| 0.00234 | | | | | |
| | 394231.11 | 3871421.44 | 0.00231 | 394221.67 | 3871398.51 |
| 0.00229 | | | | | |
| | 394212.22 | 3871375.58 | 0.00226 | 394202.77 | 3871352.65 |
| 0.00224 | | | | | |
| | 394193.33 | 3871329.72 | 0.00223 | 394183.88 | 3871306.79 |
| 0.00222 | | | | | |
| | 394174.43 | 3871283.87 | 0.00221 | 394164.99 | 3871260.94 |
| 0.00222 | | | | | |
| | 394155.54 | 3871238.01 | 0.00223 | 394146.10 | 3871215.08 |
| 0.00225 | | | | | |
| | 394136.65 | 3871192.15 | 0.00227 | 394127.20 | 3871169.22 |
| 0.00231 | | | | | |
| | 394117.76 | 3871146.29 | 0.00236 | 394108.31 | 3871123.36 |
| 0.00242 | | | | | |
| | 394098.86 | 3871100.43 | 0.00249 | 394089.42 | 3871077.50 |
| 0.00257 | | | | | |
| | 394079.97 | 3871054.57 | 0.00262 | 394070.52 | 3871031.64 |
| 0.00263 | | | | | |
| | 394061.08 | 3871008.71 | 0.00265 | 394051.63 | 3870985.79 |
| 0.00271 | | | | | |
| | 394042.18 | 3870962.86 | 0.00276 | 394032.74 | 3870939.93 |
| 0.00281 | | | | | |
| | 394023.29 | 3870917.00 | 0.00284 | 394013.84 | 3870894.07 |
| 0.00288 | | | | | |
| | 394004.40 | 3870871.14 | 0.00293 | 393994.95 | 3870848.21 |
| 0.00297 | | | | | |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 393985.50 | 3870825.28 | 0.00296 | 393976.06 | 3870802.35 | 0.00300 |
| 393966.61 | 3870779.42 | 0.00298 | 393957.16 | 3870756.49 | 0.00291 |
| 393947.72 | 3870733.56 | 0.00283 | 393938.27 | 3870710.64 | 0.00273 |
| 393928.83 | 3870687.71 | 0.00268 | 393919.38 | 3870664.78 | 0.00267 |
| 393909.93 | 3870641.85 | 0.00272 | 393900.49 | 3870618.92 | 0.00283 |
| 393891.04 | 3870595.99 | 0.00296 | 393881.59 | 3870573.06 | 0.00311 |
| 393872.15 | 3870550.13 | 0.00324 | 393862.70 | 3870527.20 | 0.00328 |
| 393853.25 | 3870504.27 | 0.00326 | 393843.81 | 3870481.34 | 0.00323 |
| 393834.36 | 3870458.41 | 0.00320 | 393824.91 | 3870435.48 | 0.00308 |
| 393815.47 | 3870412.56 | 0.00307 | 393806.02 | 3870389.63 | 0.00311 |
| 393796.57 | 3870366.70 | 0.00316 | 393787.13 | 3870343.77 | 0.00318 |
| 393777.68 | 3870320.84 | 0.00320 | 393768.23 | 3870297.91 | 0.00320 |
| 393758.79 | 3870274.98 | 0.00318 | 393749.34 | 3870252.05 | 0.00314 |
| 393739.90 | 3870229.12 | 0.00310 | 393730.45 | 3870206.19 | 0.00307 |
| 393721.00 | 3870183.26 | 0.00306 | 393711.56 | 3870160.33 | 0.00306 |
| 393702.11 | 3870137.40 | 0.00309 | 393692.66 | 3870114.48 | 0.00313 |

393683.22 3870091.55 0.00316
393673.77 3870068.62 0.00320
393664.32 3870045.69 0.00324
393654.88 3870022.76 0.00327
393645.43 3869999.83 0.00332
393635.98 3869976.90 0.00336
395826.43 3872159.52 0.00577
395851.38 3872159.52 0.00580
395876.32 3872159.52 0.00583
395901.27 3872159.52 0.00588
395926.21 3872159.52 0.00595
395951.16 3872159.53 0.00603
395976.10 3872159.53 0.00611
396001.05 3872159.53 0.00622
396025.99 3872159.53 0.00635
396050.93 3872159.53 0.00649
396075.88 3872159.53 0.00664
396100.82 3872159.53 0.00679
396125.77 3872159.53 0.00696
396150.71 3872159.53 0.00712
396175.66 3872159.54 0.00728
396200.60 3872159.54 0.00744
396225.55 3872159.54 0.00760
396250.49 3872159.54 0.00775
396275.44 3872159.54 0.00790
396300.38 3872159.54 0.00804
396325.33 3872159.54 0.00820
396350.27 3872159.54 0.00837
396375.22 3872159.54 0.00853
396400.16 3872159.55 0.00866
396425.11 3872159.55 0.00879
396450.05 3872159.55 0.00892
396474.99 3872159.55 0.00905
396499.94 3872159.55 0.00918
396524.88 3872159.55 0.00930
396549.83 3872159.55 0.00943
396574.77 3872159.55 0.00963
396599.72 3872159.55 0.00978
396624.66 3872159.56 0.00989
396649.61 3872159.56 0.01001
396674.55 3872159.56 0.01012
396699.50 3872159.56 0.01023
396724.44 3872159.56 0.01033
395803.41 3872549.97 0.00384
395780.40 3872540.42 0.00409
395757.39 3872530.87 0.00430
395734.38 3872521.33 0.00447
395711.37 3872511.78 0.00462

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395688.36 | 3872502.23 | 0.00469 | 395665.35 | 3872492.68 | 0.00474 |
| 395642.34 | 3872483.13 | 0.00476 | 395619.33 | 3872473.58 | 0.00476 |
| 395596.32 | 3872464.03 | 0.00476 | 395573.32 | 3872454.49 | 0.00474 |
| 395550.31 | 3872444.94 | 0.00471 | 395527.30 | 3872435.39 | 0.00468 |
| 395504.29 | 3872425.84 | 0.00464 | 395481.28 | 3872416.29 | 0.00460 |
| 395458.27 | 3872406.74 | 0.00454 | 395435.26 | 3872397.19 | 0.00448 |
| 395412.25 | 3872387.65 | 0.00442 | 395389.24 | 3872378.10 | 0.00432 |
| 395366.23 | 3872368.55 | 0.00424 | 395343.23 | 3872359.00 | 0.00414 |
| 395320.22 | 3872349.45 | 0.00406 | 395297.21 | 3872339.90 | 0.00397 |
| 395274.20 | 3872330.36 | 0.00389 | 395251.19 | 3872320.81 | 0.00380 |
| 395228.18 | 3872311.26 | 0.00372 | 395205.17 | 3872301.71 | 0.00365 |
| 395182.16 | 3872292.16 | 0.00355 | 395159.15 | 3872282.61 | 0.00346 |
| 395136.14 | 3872273.06 | 0.00339 | 395113.14 | 3872263.52 | 0.00333 |
| 395090.13 | 3872253.97 | 0.00324 | 395067.12 | 3872244.42 | 0.00316 |
| 395044.11 | 3872234.87 | 0.00309 | 395021.10 | 3872225.32 | 0.00302 |
| 394998.09 | 3872215.77 | 0.00296 | 394975.08 | 3872206.22 | 0.00288 |

394952.07 3872196.68 0.00281
394929.06 3872187.13 0.00275
394906.05 3872177.58 0.00269
394883.05 3872168.03 0.00265
394860.04 3872158.48 0.00260
394837.03 3872148.93 0.00256
394814.02 3872139.38 0.00253
394791.01 3872129.84 0.00251
394768.00 3872120.29 0.00250
394744.99 3872110.74 0.00249
394721.98 3872101.19 0.00248
394698.97 3872091.64 0.00248
394675.96 3872082.09 0.00248
394652.96 3872072.54 0.00249
394629.95 3872063.00 0.00250
394606.94 3872053.45 0.00250
394583.93 3872043.90 0.00251
394560.92 3872034.35 0.00252
394537.91 3872024.80 0.00253
394514.90 3872015.25 0.00255
394491.89 3872005.70 0.00256
394468.88 3871996.16 0.00257
394445.87 3871986.61 0.00258
394422.87 3871977.06 0.00256
394399.86 3871967.51 0.00257
394376.85 3871957.96 0.00257
394353.84 3871948.41 0.00256
394330.83 3871938.86 0.00256
394307.82 3871929.32 0.00253
394284.81 3871919.77 0.00249
394261.80 3871910.22 0.00247
394238.79 3871900.67 0.00243
394215.78 3871891.12 0.00239
394192.78 3871881.57 0.00234
394169.77 3871872.03 0.00229
394146.76 3871862.48 0.00225
394123.75 3871852.93 0.00219
394100.74 3871843.38 0.00213
394077.73 3871833.83 0.00209
394054.72 3871824.28 0.00204
394031.71 3871814.73 0.00198
394008.70 3871805.19 0.00195
393976.21 3871772.60 0.00188
393966.72 3871749.57 0.00186
393957.23 3871726.54 0.00184
393947.74 3871703.50 0.00182
393938.25 3871680.47 0.00180
393928.76 3871657.44 0.00179

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 393919.27 | 3871634.40 | 0.00177 | 393909.78 | 3871611.37 | 0.00175 |
| 393900.29 | 3871588.34 | 0.00174 | 393890.80 | 3871565.30 | 0.00173 |
| 393881.31 | 3871542.27 | 0.00172 | 393871.82 | 3871519.24 | 0.00172 |
| 393862.33 | 3871496.20 | 0.00172 | 393852.84 | 3871473.17 | 0.00172 |
| 393843.35 | 3871450.14 | 0.00173 | 393833.86 | 3871427.10 | 0.00175 |
| 393824.37 | 3871404.07 | 0.00177 | 393814.88 | 3871381.03 | 0.00179 |
| 393805.39 | 3871358.00 | 0.00182 | 393795.91 | 3871334.97 | 0.00184 |
| 393786.42 | 3871311.93 | 0.00186 | 393776.93 | 3871288.90 | 0.00188 |
| 393767.44 | 3871265.87 | 0.00189 | 393757.95 | 3871242.83 | 0.00190 |
| 393748.46 | 3871219.80 | 0.00191 | 393738.97 | 3871196.77 | 0.00191 |
| 393729.48 | 3871173.73 | 0.00190 | 393719.99 | 3871150.70 | 0.00188 |
| 393710.50 | 3871127.67 | 0.00185 | 393701.01 | 3871104.63 | 0.00185 |
| 393691.52 | 3871081.60 | 0.00186 | 393682.03 | 3871058.57 | 0.00186 |
| 393672.54 | 3871035.53 | 0.00185 | 393663.05 | 3871012.50 | 0.00184 |
| 393653.56 | 3870989.47 | 0.00173 | 393644.07 | 3870966.43 | 0.00173 |
| 393634.58 | 3870943.40 | 0.00175 | 393625.10 | 3870920.37 | 0.00188 |

393615.61 3870897.33 0.00191
393606.12 3870874.30 0.00196
393596.63 3870851.27 0.00202
393587.14 3870828.23 0.00209
393577.65 3870805.20 0.00216
393568.16 3870782.17 0.00224
393558.67 3870759.13 0.00228
393549.18 3870736.10 0.00224
393539.69 3870713.07 0.00214
393530.20 3870690.03 0.00207
393520.71 3870667.00 0.00202
393511.22 3870643.97 0.00199
393501.73 3870620.93 0.00200
393492.24 3870597.90 0.00201
393482.75 3870574.86 0.00202
393473.26 3870551.83 0.00201
393463.77 3870528.80 0.00198
393454.29 3870505.76 0.00196
393444.80 3870482.73 0.00195
393435.31 3870459.70 0.00196
393425.82 3870436.66 0.00197
393416.33 3870413.63 0.00199
393406.84 3870390.60 0.00202
393397.35 3870367.56 0.00205
393387.86 3870344.53 0.00208
393378.37 3870321.50 0.00212
393368.88 3870298.46 0.00216
393359.39 3870275.43 0.00219
393349.90 3870252.40 0.00221
393340.41 3870229.36 0.00223
393330.92 3870206.33 0.00221
393321.43 3870183.30 0.00224
393311.94 3870160.26 0.00219
393302.45 3870137.23 0.00220
393292.96 3870114.20 0.00225
393283.47 3870091.16 0.00233
393273.99 3870068.13 0.00238
393264.50 3870045.10 0.00255
393255.01 3870022.06 0.00268
393245.52 3869999.03 0.00276
393236.03 3869976.00 0.00284
395826.41 3872559.52 0.00361
395851.36 3872559.52 0.00354
395876.30 3872559.52 0.00351
395901.25 3872559.52 0.00354
395926.19 3872559.52 0.00362
395951.14 3872559.53 0.00372
395976.08 3872559.53 0.00383

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396001.03 | 3872559.53 | 0.00396 | 396025.97 | 3872559.53 | 0.00410 |
| 396050.92 | 3872559.53 | 0.00424 | 396075.86 | 3872559.53 | 0.00436 |
| 396100.81 | 3872559.53 | 0.00443 | 396125.75 | 3872559.53 | 0.00450 |
| 396150.70 | 3872559.53 | 0.00455 | 396175.64 | 3872559.54 | 0.00461 |
| 396200.59 | 3872559.54 | 0.00467 | 396225.53 | 3872559.54 | 0.00475 |
| 396250.47 | 3872559.54 | 0.00483 | 396275.42 | 3872559.54 | 0.00491 |
| 396300.36 | 3872559.54 | 0.00501 | 396325.31 | 3872559.54 | 0.00519 |
| 396350.25 | 3872559.54 | 0.00543 | 396375.20 | 3872559.54 | 0.00563 |
| 396400.14 | 3872559.55 | 0.00570 | 396425.09 | 3872559.55 | 0.00587 |
| 396450.03 | 3872559.55 | 0.00603 | 396474.98 | 3872559.55 | 0.00620 |
| 396499.92 | 3872559.55 | 0.00639 | 396524.87 | 3872559.55 | 0.00654 |
| 396549.81 | 3872559.55 | 0.00652 | 396574.76 | 3872559.55 | 0.00648 |
| 396599.70 | 3872559.55 | 0.00637 | 396624.65 | 3872559.56 | 0.00636 |
| 396649.59 | 3872559.56 | 0.00666 | 396674.53 | 3872559.56 | 0.00721 |
| 396699.48 | 3872559.56 | 0.00753 | 396724.42 | 3872559.56 | 0.00773 |
| 396749.54 | 3869959.56 | 0.56362 | 396749.54 | 3869934.67 | 0.60292 |

| | | |
|---|---|---|
| 396749.54 | 3869909.78 | 0.62769 |
| 396749.54 | 3869884.88 | 0.64565 |
| 396749.54 | 3869859.99 | 0.65942 |
| 396749.53 | 3869835.10 | 0.67040 |
| 396749.53 | 3869810.21 | 0.67913 |
| 396749.53 | 3869785.32 | 0.68627 |
| 396749.53 | 3869760.43 | 0.69208 |
| 396749.53 | 3869735.54 | 0.69275 |
| 396749.53 | 3869710.64 | 0.68867 |
| 396749.53 | 3869685.75 | 0.69157 |
| 396749.53 | 3869660.86 | 0.69412 |
| 396749.53 | 3869635.97 | 0.69541 |
| 396749.52 | 3869611.08 | 0.69555 |
| 396749.52 | 3869586.19 | 0.69214 |
| 396749.52 | 3869561.30 | 0.68445 |
| 396749.52 | 3869536.41 | 0.67941 |
| 396749.52 | 3869511.51 | 0.67653 |
| 396749.52 | 3869486.62 | 0.67302 |
| 396749.52 | 3869461.73 | 0.66868 |
| 396749.52 | 3869436.84 | 0.66357 |
| 396749.52 | 3869411.95 | 0.65670 |
| 396749.51 | 3869387.06 | 0.64423 |
| 396749.51 | 3869362.17 | 0.63323 |
| 396749.51 | 3869337.27 | 0.62308 |
| 396749.51 | 3869312.38 | 0.61205 |
| 396749.51 | 3869287.49 | 0.59918 |
| 396749.51 | 3869262.60 | 0.58422 |
| 396749.51 | 3869237.71 | 0.56648 |
| 396749.51 | 3869212.82 | 0.54566 |
| 396749.51 | 3869187.93 | 0.52062 |
| 396749.50 | 3869163.03 | 0.48996 |
| 396749.50 | 3869138.14 | 0.45139 |
| 396749.50 | 3869113.25 | 0.40150 |
| 396749.50 | 3869088.36 | 0.33712 |
| 396749.50 | 3869063.47 | 0.26890 |
| 396767.22 | 3869977.24 | 0.46547 |
| 396774.54 | 3869934.67 | 0.49748 |
| 396774.54 | 3869909.77 | 0.51593 |
| 396774.54 | 3869884.88 | 0.52913 |
| 396774.54 | 3869859.99 | 0.53716 |
| 396774.53 | 3869835.10 | 0.54522 |
| 396774.53 | 3869810.21 | 0.55177 |
| 396774.53 | 3869785.32 | 0.55717 |
| 396774.53 | 3869760.43 | 0.56161 |
| 396774.53 | 3869735.54 | 0.56289 |
| 396774.53 | 3869710.64 | 0.56105 |
| 396774.53 | 3869685.75 | 0.56294 |
| 396774.53 | 3869660.86 | 0.56412 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396774.53 | 3869635.97 | 0.56464 | 396774.52 | 3869611.08 | 0.56457 |
| 396774.52 | 3869586.19 | 0.56158 | 396774.52 | 3869561.30 | 0.55535 |
| 396774.52 | 3869536.40 | 0.55316 | 396774.52 | 3869511.51 | 0.55028 |
| 396774.52 | 3869486.62 | 0.54670 | 396774.52 | 3869461.73 | 0.54237 |
| 396774.52 | 3869436.84 | 0.53621 | 396774.52 | 3869411.95 | 0.52714 |
| 396774.51 | 3869387.06 | 0.51748 | 396774.51 | 3869362.16 | 0.50927 |
| 396774.51 | 3869337.27 | 0.50001 | 396774.51 | 3869312.38 | 0.48936 |
| 396774.51 | 3869287.49 | 0.47698 | 396774.51 | 3869262.60 | 0.46268 |
| 396774.51 | 3869237.71 | 0.44611 | 396774.51 | 3869212.82 | 0.42662 |
| 396774.51 | 3869187.92 | 0.40196 | 396774.50 | 3869163.03 | 0.37363 |
| 396774.50 | 3869138.14 | 0.34109 | 396774.50 | 3869113.25 | 0.30297 |
| 396774.50 | 3869088.36 | 0.26114 | 396792.22 | 3869977.24 | 0.40565 |
| 396759.89 | 3870019.92 | 0.38547 | 396799.54 | 3869934.67 | 0.42671 |
| 396799.54 | 3869909.77 | 0.44101 | 396799.54 | 3869884.88 | 0.45090 |
| 396799.54 | 3869859.99 | 0.45696 | 396799.53 | 3869835.10 | 0.46320 |
| 396799.53 | 3869810.21 | 0.46831 | 396799.53 | 3869785.32 | 0.47251 |

| | | | | | |
|---|---|---|---|---|---|
| 396799.53 | 3869760.43 | 0.47593 | 396799.53 | 3869735.53 | 0.47710 |
| 396799.53 | 3869710.64 | 0.47602 | 396799.53 | 3869685.75 | 0.47730 |
| 396799.53 | 3869660.86 | 0.47797 | 396799.53 | 3869635.97 | 0.47804 |
| 396799.52 | 3869611.08 | 0.47677 | 396799.52 | 3869586.19 | 0.47375 |
| 396799.52 | 3869561.29 | 0.46981 | 396799.52 | 3869536.40 | 0.46747 |
| 396799.52 | 3869511.51 | 0.46449 | 396799.52 | 3869486.62 | 0.45986 |
| 396799.52 | 3869461.73 | 0.45493 | 396799.52 | 3869436.84 | 0.44886 |
| 396799.52 | 3869411.95 | 0.44075 | 396799.51 | 3869387.05 | 0.43389 |
| 396799.51 | 3869362.16 | 0.42601 | 396799.51 | 3869337.27 | 0.41700 |
| 396799.51 | 3869312.38 | 0.40670 | 396799.51 | 3869287.49 | 0.39494 |
| 396799.51 | 3869262.60 | 0.38149 | 396799.51 | 3869237.71 | 0.36607 |
| 396799.51 | 3869212.81 | 0.34728 | 396799.51 | 3869187.92 | 0.32508 |
| 396799.50 | 3869163.03 | 0.30085 | 396799.50 | 3869138.14 | 0.27482 |
| 396799.50 | 3869113.25 | 0.24662 | 396799.50 | 3869088.36 | 0.21835 |
| 396799.50 | 3869063.47 | 0.19342 | 396817.22 | 3869977.23 | 0.35957 |
| 396802.57 | 3870012.59 | 0.34501 | 396777.57 | 3870037.59 | 0.33773 |
| 396824.54 | 3869934.66 | 0.37544 | 396824.54 | 3869909.77 | 0.38627 |
| 396824.54 | 3869884.88 | 0.39352 | 396824.54 | 3869859.99 | 0.39983 |
| 396824.53 | 3869835.10 | 0.40477 | 396824.53 | 3869810.21 | 0.40874 |
| 396824.53 | 3869785.32 | 0.41197 | 396824.53 | 3869760.42 | 0.41425 |
| 396824.53 | 3869735.53 | 0.41494 | 396824.53 | 3869710.64 | 0.41436 |
| 396824.53 | 3869685.75 | 0.41516 | 396824.53 | 3869660.86 | 0.41543 |
| 396824.53 | 3869635.97 | 0.41475 | 396824.52 | 3869611.08 | 0.41226 |
| 396824.52 | 3869586.18 | 0.40933 | 396824.52 | 3869561.29 | 0.40736 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396824.52 | 3869536.40 | 0.40482 | 396824.52 | 3869511.51 | 0.40121 |
| 396824.52 | 3869486.62 | 0.39548 | 396824.52 | 3869461.73 | 0.39000 |
| 396824.52 | 3869436.84 | 0.38487 | 396824.52 | 3869411.94 | 0.37898 |
| 396824.51 | 3869387.05 | 0.37227 | 396824.51 | 3869362.16 | 0.36464 |
| 396824.51 | 3869337.27 | 0.35599 | 396824.51 | 3869312.38 | 0.34621 |
| 396824.51 | 3869287.49 | 0.33516 | 396824.51 | 3869262.60 | 0.32263 |
| 396824.51 | 3869237.71 | 0.30813 | 396824.51 | 3869212.81 | 0.29039 |
| 396824.51 | 3869187.92 | 0.27227 | 396824.50 | 3869163.03 | 0.25302 |
| 396824.50 | 3869138.14 | 0.23234 | 396824.50 | 3869113.25 | 0.21108 |
| 396824.50 | 3869088.36 | 0.19061 | 396865.75 | 3869980.77 | 0.29353 |
| 396856.97 | 3870001.98 | 0.29144 | 396848.18 | 3870023.20 | 0.28674 |
| 396839.39 | 3870044.41 | 0.27849 | 396809.39 | 3870074.41 | 0.27305 |
| 396788.18 | 3870083.20 | 0.27521 | 396766.96 | 3870091.99 | 0.27490 |
| 396745.75 | 3870100.77 | 0.27213 | 396874.54 | 3869959.55 | 0.29377 |
| 396874.54 | 3869934.66 | 0.30299 | 396874.54 | 3869909.77 | 0.31053 |
| 396874.54 | 3869884.88 | 0.31649 | 396874.54 | 3869859.99 | 0.32105 |

| | | | | | |
|---|---|---|---|---|---|
| 396874.53 | 3869835.10 | 0.32448 | 396874.53 | 3869810.20 | 0.32701 |
| 396874.53 | 3869785.31 | 0.32889 | 396874.53 | 3869760.42 | 0.32904 |
| 396874.53 | 3869735.53 | 0.32870 | 396874.53 | 3869710.64 | 0.32913 |
| 396874.53 | 3869685.75 | 0.32915 | 396874.53 | 3869660.86 | 0.32701 |
| 396874.53 | 3869635.97 | 0.32547 | 396874.52 | 3869611.07 | 0.32398 |
| 396874.52 | 3869586.18 | 0.32216 | 396874.52 | 3869561.29 | 0.31956 |
| 396874.52 | 3869536.40 | 0.31508 | 396874.52 | 3869511.51 | 0.31139 |
| 396874.52 | 3869486.62 | 0.30748 | 396874.52 | 3869461.73 | 0.30309 |
| 396874.52 | 3869436.83 | 0.29812 | 396874.52 | 3869411.94 | 0.29253 |
| 396874.51 | 3869387.05 | 0.28630 | 396874.51 | 3869362.16 | 0.27934 |
| 396874.51 | 3869337.27 | 0.27162 | 396874.51 | 3869312.38 | 0.26309 |
| 396874.51 | 3869287.49 | 0.25372 | 396874.51 | 3869262.59 | 0.24322 |
| 396874.51 | 3869237.70 | 0.23026 | 396874.51 | 3869212.81 | 0.21818 |
| 396874.51 | 3869187.92 | 0.20553 | 396874.50 | 3869163.03 | 0.19239 |
| 396874.50 | 3869138.14 | 0.17906 | 396874.50 | 3869113.25 | 0.16600 |
| 396874.50 | 3869088.35 | 0.15370 | 396874.50 | 3869063.46 | 0.14265 |
| 396916.17 | 3869979.76 | 0.24882 | 396899.43 | 3870020.16 | 0.24603 |
| 396882.70 | 3870060.57 | 0.23820 | 396845.76 | 3870109.35 | 0.22896 |
| 396805.35 | 3870126.09 | 0.23236 | 396764.94 | 3870142.82 | 0.22943 |
| 396924.54 | 3869934.66 | 0.25458 | 396924.54 | 3869909.77 | 0.25982 |
| 396924.54 | 3869884.88 | 0.26409 | 396924.54 | 3869859.99 | 0.26742 |
| 396924.53 | 3869835.09 | 0.26990 | 396924.53 | 3869810.20 | 0.27162 |
| 396924.53 | 3869785.31 | 0.27155 | 396924.53 | 3869760.42 | 0.27149 |
| 396924.53 | 3869735.53 | 0.27157 | 396924.53 | 3869710.64 | 0.27113 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396924.53 | 3869685.75 | 0.26970 | 396924.53 | 3869660.85 | 0.26794 |
| 396924.53 | 3869635.96 | 0.26643 | 396924.52 | 3869611.07 | 0.26475 |
| 396924.52 | 3869586.18 | 0.26208 | 396924.52 | 3869561.29 | 0.25833 |
| 396924.52 | 3869536.40 | 0.25544 | 396924.52 | 3869511.51 | 0.25214 |
| 396924.52 | 3869486.61 | 0.24841 | 396924.52 | 3869461.72 | 0.24423 |
| 396924.52 | 3869436.83 | 0.23959 | 396924.52 | 3869411.94 | 0.23448 |
| 396924.51 | 3869387.05 | 0.22888 | 396924.51 | 3869362.16 | 0.22276 |
| 396924.51 | 3869337.27 | 0.21613 | 396924.51 | 3869312.37 | 0.20897 |
| 396924.51 | 3869287.48 | 0.20079 | 396924.51 | 3869262.59 | 0.19134 |
| 396924.51 | 3869237.70 | 0.18277 | 396924.51 | 3869212.81 | 0.17384 |
| 396924.51 | 3869187.92 | 0.16468 | 396924.50 | 3869163.03 | 0.15545 |
| 396924.50 | 3869138.14 | 0.14631 | 396924.50 | 3869113.24 | 0.13748 |
| 396924.50 | 3869088.35 | 0.12918 | 396924.50 | 3869063.46 | 0.12112 |
| 396965.39 | 3869981.65 | 0.21496 | 396956.23 | 3870003.75 | 0.21490 |
| 396947.08 | 3870025.84 | 0.21383 | 396937.93 | 3870047.94 | 0.21178 |
| 396928.78 | 3870070.04 | 0.20916 | 396919.62 | 3870092.14 | 0.20507 |

396910.47 3870114.24 0.19991
396879.22 3870145.49 0.19730
396857.12 3870154.64 0.19951
396835.02 3870163.80 0.20046
396812.92 3870172.95 0.20000
396790.82 3870182.10 0.19839
396768.73 3870191.25 0.19582
396746.63 3870200.41 0.19241
396974.54 3869959.55 0.21410
396974.54 3869934.66 0.21852
396974.54 3869909.77 0.22225
396974.54 3869884.87 0.22530
396974.54 3869859.98 0.22769
396974.53 3869835.09 0.22945
396974.53 3869810.20 0.22950
396974.53 3869785.31 0.22985
396974.53 3869760.42 0.22994
396974.53 3869735.53 0.22950
396974.53 3869710.63 0.22842
396974.53 3869685.74 0.22630
396974.53 3869660.85 0.22490
396974.53 3869635.96 0.22322
396974.52 3869611.07 0.22053
396974.52 3869586.18 0.21749
396974.52 3869561.29 0.21493
396974.52 3869536.40 0.21207
396974.52 3869511.50 0.20890
396974.52 3869486.61 0.20540
396974.52 3869461.72 0.20156
396974.52 3869436.83 0.19739
396974.52 3869411.94 0.19287
396974.51 3869387.05 0.18801
396974.51 3869362.16 0.18280
396974.51 3869337.26 0.17726
396974.51 3869312.37 0.17128
396974.51 3869287.48 0.16460
396974.51 3869262.59 0.15725
396974.51 3869237.70 0.15063
396974.51 3869212.81 0.14388
396974.51 3869187.92 0.13708
396974.50 3869163.02 0.13022
396974.50 3869138.13 0.12321
396974.50 3869113.24 0.11611
396974.50 3869088.35 0.11011
396974.50 3869063.46 0.10458
397049.00 3869980.97 0.17302
397040.12 3870002.40 0.17390
397031.25 3870023.83 0.17436

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397022.37 | 3870045.26 | 0.17398 | 397013.50 | 3870066.69 | 0.17304 |
| 397004.62 | 3870088.12 | 0.17159 | 396995.74 | 3870109.55 | 0.16960 |
| 396986.87 | 3870130.98 | 0.16706 | 396977.99 | 3870152.40 | 0.16402 |
| 396969.12 | 3870173.83 | 0.16051 | 396938.81 | 3870204.14 | 0.15894 |
| 396917.38 | 3870213.01 | 0.16079 | 396895.96 | 3870221.89 | 0.16180 |
| 396874.53 | 3870230.76 | 0.16207 | 396853.10 | 3870239.64 | 0.16165 |
| 396831.67 | 3870248.52 | 0.16061 | 396810.24 | 3870257.39 | 0.15903 |
| 396788.81 | 3870266.27 | 0.15694 | 396767.38 | 3870275.14 | 0.15420 |
| 396745.95 | 3870284.02 | 0.15116 | 397057.87 | 3869959.55 | 0.17187 |
| 397057.87 | 3869934.65 | 0.17445 | 397057.87 | 3869909.76 | 0.17659 |
| 397057.87 | 3869884.87 | 0.17829 | 397057.87 | 3869859.98 | 0.17959 |
| 397057.87 | 3869835.09 | 0.18048 | 397057.87 | 3869810.20 | 0.18021 |
| 397057.87 | 3869785.31 | 0.18012 | 397057.86 | 3869760.41 | 0.17934 |
| 397057.86 | 3869735.52 | 0.17814 | 397057.86 | 3869710.63 | 0.17707 |
| 397057.86 | 3869685.74 | 0.17573 | 397057.86 | 3869660.85 | 0.17325 |
| 397057.86 | 3869635.96 | 0.17115 | 397057.86 | 3869611.07 | 0.16901 |

397057.86 3869586.17 0.16668
397057.86 3869561.28 0.16415
397057.85 3869536.39 0.16145
397057.85 3869511.50 0.15856
397057.85 3869486.61 0.15551
397057.85 3869461.72 0.15228
397057.85 3869436.83 0.14889
397057.85 3869411.93 0.14532
397057.85 3869387.04 0.14160
397057.85 3869362.15 0.13771
397057.85 3869337.26 0.13367
397057.84 3869312.37 0.12894
397057.84 3869287.48 0.12397
397057.84 3869262.59 0.11961
397057.84 3869237.69 0.11520
397057.84 3869212.80 0.11078
397057.84 3869187.91 0.10578
397057.84 3869163.02 0.10103
397057.84 3869138.13 0.09676
397057.84 3869113.24 0.09266
397057.83 3869088.35 0.08878
397057.83 3869063.46 0.08515
397131.82 3869982.21 0.14238
397122.43 3870004.87 0.14335
397113.04 3870027.54 0.14395
397103.66 3870050.20 0.14420
397094.27 3870072.87 0.14408
397084.88 3870095.53 0.14367
397075.49 3870118.20 0.14295
397066.11 3870140.86 0.14183
397056.72 3870163.53 0.14029
397047.33 3870186.19 0.13829
397037.94 3870208.86 0.13595
397028.56 3870231.52 0.13328
396996.50 3870263.58 0.13220
396973.84 3870272.96 0.13373
396951.17 3870282.35 0.13463
396928.51 3870291.74 0.13501
396905.84 3870301.13 0.13488
396883.18 3870310.51 0.13425
396860.51 3870319.90 0.13318
396837.85 3870329.29 0.13160
396815.18 3870338.68 0.12975
396792.52 3870348.06 0.12756
396769.85 3870357.45 0.12505
396747.19 3870366.84 0.12225
397141.21 3869959.54 0.14108
397141.21 3869934.65 0.14260

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397141.20 | 3869909.76 | 0.14360 | 397141.20 | 3869884.87 | 0.14429 |
| 397141.20 | 3869859.98 | 0.14486 | 397141.20 | 3869835.08 | 0.14502 |
| 397141.20 | 3869810.19 | 0.14464 | 397141.20 | 3869785.30 | 0.14419 |
| 397141.20 | 3869760.41 | 0.14362 | 397141.20 | 3869735.52 | 0.14266 |
| 397141.20 | 3869710.63 | 0.14120 | 397141.19 | 3869685.74 | 0.13973 |
| 397141.19 | 3869660.84 | 0.13821 | 397141.19 | 3869635.95 | 0.13649 |
| 397141.19 | 3869611.06 | 0.13457 | 397141.19 | 3869586.17 | 0.13247 |
| 397141.19 | 3869561.28 | 0.13022 | 397141.19 | 3869536.39 | 0.12783 |
| 397141.19 | 3869511.50 | 0.12532 | 397141.19 | 3869486.61 | 0.12270 |
| 397141.18 | 3869461.71 | 0.11998 | 397141.18 | 3869436.82 | 0.11718 |
| 397141.18 | 3869411.93 | 0.11430 | 397141.18 | 3869387.04 | 0.11135 |
| 397141.18 | 3869362.15 | 0.10758 | 397141.18 | 3869337.26 | 0.10432 |
| 397141.18 | 3869312.37 | 0.10124 | 397141.18 | 3869287.47 | 0.09815 |
| 397141.18 | 3869262.58 | 0.09499 | 397141.17 | 3869237.69 | 0.09137 |
| 397141.17 | 3869212.80 | 0.08808 | 397141.17 | 3869187.91 | 0.08499 |
| 397141.17 | 3869163.02 | 0.08199 | 397141.17 | 3869138.13 | 0.07905 |

397141.17 3869113.23 0.07621
397141.17 3869088.34 0.07350
397141.17 3869063.45 0.07095
397215.39 3869981.64 0.11889
397206.23 3870003.73 0.11993
397197.08 3870025.83 0.12074
397187.93 3870047.93 0.12134
397178.78 3870070.03 0.12172
397169.62 3870092.13 0.12188
397160.47 3870114.23 0.12182
397151.32 3870136.33 0.12153
397142.16 3870158.42 0.12101
397133.01 3870180.52 0.12024
397123.86 3870202.62 0.11921
397114.71 3870224.72 0.11797
397105.55 3870246.82 0.11661
397096.40 3870268.92 0.11489
397087.25 3870291.01 0.11295
397055.99 3870322.27 0.11239
397033.90 3870331.42 0.11351
397011.80 3870340.57 0.11433
396989.70 3870349.73 0.11481
396967.60 3870358.88 0.11495
396945.50 3870368.03 0.11469
396923.40 3870377.18 0.11406
396901.31 3870386.34 0.11319
396879.21 3870395.49 0.11205
396857.11 3870404.64 0.11067
396835.01 3870413.80 0.10906
396812.91 3870422.95 0.10723
396790.81 3870432.10 0.10518
396768.71 3870441.25 0.10292
396746.62 3870450.41 0.10049
397224.54 3869959.54 0.11724
397224.54 3869934.65 0.11811
397224.54 3869909.75 0.11868
397224.54 3869884.86 0.11898
397224.54 3869859.97 0.11908
397224.53 3869835.08 0.11909
397224.53 3869810.19 0.11877
397224.53 3869785.30 0.11838
397224.53 3869760.41 0.11775
397224.53 3869735.52 0.11691
397224.53 3869710.62 0.11599
397224.53 3869685.73 0.11489
397224.53 3869660.84 0.11360
397224.53 3869635.95 0.11203
397224.52 3869611.06 0.11035

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397224.52 | 3869586.17 | 0.10854 | 397224.52 | 3869561.28 | 0.10651 |
| 397224.52 | 3869536.38 | 0.10451 | 397224.52 | 3869511.49 | 0.10223 |
| 397224.52 | 3869486.60 | 0.10000 | 397224.52 | 3869461.71 | 0.09762 |
| 397224.52 | 3869436.82 | 0.09517 | 397224.52 | 3869411.93 | 0.09277 |
| 397224.51 | 3869387.04 | 0.09018 | 397224.51 | 3869362.14 | 0.08774 |
| 397224.51 | 3869337.25 | 0.08519 | 397224.51 | 3869312.36 | 0.08269 |
| 397224.51 | 3869287.47 | 0.08031 | 397224.51 | 3869262.58 | 0.07794 |
| 397224.51 | 3869237.69 | 0.07541 | 397224.51 | 3869212.80 | 0.07308 |
| 397224.51 | 3869187.90 | 0.07080 | 397224.50 | 3869163.01 | 0.06861 |
| 397224.50 | 3869138.12 | 0.06650 | 397224.50 | 3869113.23 | 0.06440 |
| 397224.50 | 3869088.34 | 0.06239 | 397224.50 | 3869063.45 | 0.06042 |
| 397465.39 | 3869981.63 | 0.07425 | 397456.23 | 3870003.72 | 0.07507 |
| 397447.08 | 3870025.82 | 0.07582 | 397437.93 | 3870047.92 | 0.07651 |
| 397428.78 | 3870070.02 | 0.07710 | 397419.62 | 3870092.12 | 0.07767 |
| 397410.47 | 3870114.22 | 0.07816 | 397401.32 | 3870136.31 | 0.07857 |
| 397392.16 | 3870158.41 | 0.07895 | 397383.01 | 3870180.51 | 0.07924 |

397373.86 3870202.61 0.07946
397364.71 3870224.71 0.07963
397355.55 3870246.81 0.07970
397346.40 3870268.91 0.07968
397337.25 3870291.00 0.07958
397328.09 3870313.10 0.07936
397318.94 3870335.20 0.07906
397309.79 3870357.30 0.07865
397300.63 3870379.40 0.07813
397291.48 3870401.50 0.07750
397282.33 3870423.59 0.07679
397273.18 3870445.69 0.07598
397264.02 3870467.79 0.07509
397232.77 3870499.04 0.07497
397210.67 3870508.20 0.07569
397188.57 3870517.35 0.07629
397166.48 3870526.50 0.07674
397144.38 3870535.65 0.07705
397122.28 3870544.81 0.07713
397100.18 3870553.96 0.07709
397078.08 3870563.11 0.07688
397055.98 3870572.27 0.07651
397033.89 3870581.42 0.07599
397011.79 3870590.57 0.07534
396989.69 3870599.73 0.07457
396967.59 3870608.88 0.07371
396945.49 3870618.03 0.07276
396923.39 3870627.18 0.07172
396901.29 3870636.34 0.07056
396879.20 3870645.49 0.06921
396857.10 3870654.64 0.06791
396835.00 3870663.80 0.06653
396812.90 3870672.95 0.06506
396790.80 3870682.10 0.06347
396768.70 3870691.25 0.06177
396746.61 3870700.41 0.06000
397474.54 3869959.53 0.07336
397474.54 3869934.64 0.07349
397474.54 3869909.74 0.07350
397474.54 3869884.85 0.07342
397474.54 3869859.96 0.07325
397474.53 3869835.07 0.07293
397474.53 3869810.18 0.07259
397474.53 3869785.29 0.07212
397474.53 3869760.40 0.07157
397474.53 3869735.50 0.07098
397474.53 3869710.61 0.07037
397474.53 3869685.72 0.06971

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397474.53 | 3869660.83 | 0.06899 | 397474.53 | 3869635.94 | 0.06819 |
| 397474.52 | 3869611.05 | 0.06728 | 397474.52 | 3869586.16 | 0.06628 |
| 397474.52 | 3869561.26 | 0.06529 | 397474.52 | 3869536.37 | 0.06424 |
| 397474.52 | 3869511.48 | 0.06305 | 397474.52 | 3869486.59 | 0.06187 |
| 397474.52 | 3869461.70 | 0.06062 | 397474.52 | 3869436.81 | 0.05931 |
| 397474.52 | 3869411.92 | 0.05802 | 397474.51 | 3869387.02 | 0.05662 |
| 397474.51 | 3869362.13 | 0.05522 | 397474.51 | 3869337.24 | 0.05384 |
| 397474.51 | 3869312.35 | 0.05243 | 397474.51 | 3869287.46 | 0.05100 |
| 397474.51 | 3869262.57 | 0.04960 | 397474.51 | 3869237.68 | 0.04813 |
| 397474.51 | 3869212.78 | 0.04666 | 397474.51 | 3869187.89 | 0.04527 |
| 397474.50 | 3869163.00 | 0.04389 | 397474.50 | 3869138.11 | 0.04249 |
| 397474.50 | 3869113.22 | 0.04115 | 397474.50 | 3869088.33 | 0.03996 |
| 397474.50 | 3869063.44 | 0.03883 | 397715.09 | 3869982.33 | 0.05081 |
| 397705.64 | 3870005.14 | 0.05140 | 397696.20 | 3870027.95 | 0.05192 |
| 397686.75 | 3870050.76 | 0.05241 | 397677.30 | 3870073.57 | 0.05289 |
| 397667.85 | 3870096.38 | 0.05332 | 397658.40 | 3870119.19 | 0.05373 |

397648.95 3870142.01 0.05413
397639.51 3870164.82 0.05449
397630.06 3870187.63 0.05481
397620.61 3870210.44 0.05512
397611.16 3870233.25 0.05541
397601.71 3870256.06 0.05567
397592.27 3870278.87 0.05590
397582.82 3870301.69 0.05611
397573.37 3870324.50 0.05628
397563.92 3870347.31 0.05643
397554.47 3870370.12 0.05653
397545.02 3870392.93 0.05659
397535.58 3870415.74 0.05661
397526.13 3870438.55 0.05657
397516.68 3870461.36 0.05649
397507.23 3870484.18 0.05634
397497.78 3870506.99 0.05615
397488.34 3870529.80 0.05591
397478.89 3870552.61 0.05562
397469.44 3870575.42 0.05528
397459.99 3870598.23 0.05490
397450.54 3870621.04 0.05447
397441.09 3870643.86 0.05399
397408.84 3870676.11 0.05411
397386.02 3870685.56 0.05468
397363.21 3870695.01 0.05517
397340.40 3870704.46 0.05558
397317.59 3870713.91 0.05590
397294.78 3870723.36 0.05613
397271.97 3870732.80 0.05626
397249.16 3870742.25 0.05627
397226.34 3870751.70 0.05619
397203.53 3870761.15 0.05596
397180.72 3870770.60 0.05567
397157.91 3870780.04 0.05529
397135.10 3870789.49 0.05482
397112.29 3870798.94 0.05428
397089.48 3870808.39 0.05366
397066.67 3870817.84 0.05299
397043.85 3870827.29 0.05227
397021.04 3870836.73 0.05150
396998.23 3870846.18 0.05062
396975.42 3870855.63 0.04974
396952.61 3870865.08 0.04885
396929.80 3870874.53 0.04792
396906.99 3870883.97 0.04695
396884.17 3870893.42 0.04592
396861.36 3870902.87 0.04484

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396838.55 | 3870912.32 | 0.04372 | 396815.74 | 3870921.77 | 0.04256 |
| 396792.93 | 3870931.22 | 0.04136 | 396770.12 | 3870940.66 | 0.04007 |
| 396747.31 | 3870950.11 | 0.03876 | 397724.54 | 3869959.52 | 0.05019 |
| 397724.54 | 3869934.62 | 0.05016 | 397724.54 | 3869909.73 | 0.05009 |
| 397724.54 | 3869884.84 | 0.04998 | 397724.54 | 3869859.95 | 0.04980 |
| 397724.53 | 3869835.06 | 0.04956 | 397724.53 | 3869810.17 | 0.04922 |
| 397724.53 | 3869785.28 | 0.04888 | 397724.53 | 3869760.38 | 0.04852 |
| 397724.53 | 3869735.49 | 0.04814 | 397724.53 | 3869710.60 | 0.04773 |
| 397724.53 | 3869685.71 | 0.04725 | 397724.53 | 3869660.82 | 0.04682 |
| 397724.53 | 3869635.93 | 0.04637 | 397724.52 | 3869611.04 | 0.04587 |
| 397724.52 | 3869586.14 | 0.04535 | 397724.52 | 3869561.25 | 0.04483 |
| 397724.52 | 3869536.36 | 0.04423 | 397724.52 | 3869511.47 | 0.04366 |
| 397724.52 | 3869486.58 | 0.04307 | 397724.52 | 3869461.69 | 0.04240 |
| 397724.52 | 3869436.80 | 0.04169 | 397724.52 | 3869411.90 | 0.04098 |
| 397724.51 | 3869387.01 | 0.04018 | 397724.51 | 3869362.12 | 0.03942 |
| 397724.51 | 3869337.23 | 0.03858 | 397724.51 | 3869312.34 | 0.03773 |

397724.51 3869287.45 0.03688
397724.51 3869262.56 0.03597
397724.51 3869237.67 0.03511
397724.51 3869212.77 0.03417
397724.51 3869187.88 0.03322
397724.50 3869162.99 0.03229
397724.50 3869138.10 0.03139
397724.50 3869113.21 0.03050
397724.50 3869088.32 0.02964
397724.50 3869063.43 0.02875
398115.22 3869982.00 0.03148
398105.90 3870004.50 0.03177
398096.58 3870027.00 0.03205
398087.26 3870049.50 0.03232
398077.94 3870072.00 0.03259
398068.62 3870094.50 0.03284
398059.30 3870117.00 0.03310
398049.99 3870139.50 0.03334
398040.67 3870162.00 0.03359
398031.35 3870184.50 0.03383
398022.03 3870207.00 0.03406
398012.71 3870229.50 0.03428
398003.39 3870252.00 0.03449
397994.07 3870274.50 0.03469
397984.75 3870297.00 0.03488
397975.43 3870319.50 0.03506
397966.11 3870342.00 0.03522
397956.79 3870364.50 0.03536
397947.47 3870387.00 0.03551
397938.15 3870409.50 0.03564
397928.83 3870432.00 0.03577
397919.51 3870454.50 0.03589
397910.20 3870477.00 0.03600
397900.88 3870499.50 0.03611
397891.56 3870522.00 0.03620
397882.24 3870544.50 0.03628
397872.92 3870567.00 0.03634
397863.60 3870589.51 0.03638
397854.28 3870612.01 0.03641
397844.96 3870634.51 0.03641
397835.64 3870657.01 0.03639
397826.32 3870679.51 0.03635
397817.00 3870702.01 0.03630
397807.68 3870724.51 0.03623
397798.36 3870747.01 0.03615
397789.04 3870769.51 0.03605
397779.72 3870792.01 0.03594
397770.41 3870814.51 0.03582

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397761.09 | 3870837.01 | 0.03569 | 397751.77 | 3870859.51 | 0.03555 |
| 397742.45 | 3870882.01 | 0.03541 | 397733.13 | 3870904.51 | 0.03525 |
| 397723.81 | 3870927.01 | 0.03509 | 397691.99 | 3870958.83 | 0.03534 |
| 397669.49 | 3870968.15 | 0.03576 | 397646.99 | 3870977.47 | 0.03615 |
| 397624.49 | 3870986.79 | 0.03652 | 397601.99 | 3870996.11 | 0.03684 |
| 397579.49 | 3871005.43 | 0.03714 | 397556.99 | 3871014.74 | 0.03740 |
| 397534.49 | 3871024.06 | 0.03761 | 397511.99 | 3871033.38 | 0.03776 |
| 397489.49 | 3871042.70 | 0.03786 | 397466.99 | 3871052.02 | 0.03790 |
| 397444.49 | 3871061.34 | 0.03790 | 397421.99 | 3871070.66 | 0.03782 |
| 397399.49 | 3871079.98 | 0.03770 | 397376.99 | 3871089.30 | 0.03752 |
| 397354.49 | 3871098.62 | 0.03727 | 397331.98 | 3871107.94 | 0.03698 |
| 397309.48 | 3871117.26 | 0.03663 | 397286.98 | 3871126.58 | 0.03623 |
| 397264.48 | 3871135.90 | 0.03581 | 397241.98 | 3871145.22 | 0.03535 |
| 397219.48 | 3871154.53 | 0.03486 | 397196.98 | 3871163.85 | 0.03435 |
| 397174.48 | 3871173.17 | 0.03382 | 397151.98 | 3871182.49 | 0.03327 |
| 397129.48 | 3871191.81 | 0.03271 | 397106.98 | 3871201.13 | 0.03211 |

397084.48 3871210.45 0.03148
397061.98 3871219.77 0.03088
397039.48 3871229.09 0.03027
397016.98 3871238.41 0.02965
396994.48 3871247.73 0.02903
396971.98 3871257.05 0.02839
396949.48 3871266.37 0.02770
396926.98 3871275.69 0.02703
396904.48 3871285.01 0.02637
396881.98 3871294.32 0.02571
396859.48 3871303.64 0.02505
396836.98 3871312.96 0.02439
396814.48 3871322.28 0.02373
396791.98 3871331.60 0.02308
396769.48 3871340.92 0.02245
396746.98 3871350.24 0.02182
398124.54 3869959.50 0.03119
398124.54 3869934.61 0.03118
398124.54 3869909.71 0.03114
398124.54 3869884.82 0.03107
398124.54 3869859.93 0.03097
398124.53 3869835.04 0.03083
398124.53 3869810.15 0.03069
398124.53 3869785.26 0.03055
398124.53 3869760.37 0.03039
398124.53 3869735.48 0.03021
398124.53 3869710.58 0.03002
398124.53 3869685.69 0.02978
398124.53 3869660.80 0.02955
398124.53 3869635.91 0.02928
398124.52 3869611.02 0.02901
398124.52 3869586.13 0.02874
398124.52 3869561.24 0.02845
398124.52 3869536.34 0.02816
398124.52 3869511.45 0.02786
398124.52 3869486.56 0.02757
398124.52 3869461.67 0.02726
398124.52 3869436.78 0.02694
398124.52 3869411.89 0.02662
398124.51 3869387.00 0.02624
398124.51 3869362.10 0.02589
398124.51 3869337.21 0.02550
398124.51 3869312.32 0.02510
398124.51 3869287.43 0.02470
398124.51 3869262.54 0.02427
398124.51 3869237.65 0.02381
398124.51 3869212.76 0.02336
398124.51 3869187.86 0.02289

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 398124.50 | 3869162.97 | 0.02240 | 398124.50 | 3869138.08 | 0.02189 |
| 398124.50 | 3869113.19 | 0.02135 | 398124.50 | 3869088.30 | 0.02086 |
| 398124.50 | 3869063.41 | 0.02039 | 398515.13 | 3869982.21 | 0.02171 |
| 398505.71 | 3870004.94 | 0.02183 | 398496.30 | 3870027.67 | 0.02194 |
| 398486.88 | 3870050.40 | 0.02206 | 398477.47 | 3870073.13 | 0.02219 |
| 398468.05 | 3870095.86 | 0.02231 | 398458.64 | 3870118.59 | 0.02244 |
| 398449.22 | 3870141.32 | 0.02258 | 398439.81 | 3870164.05 | 0.02273 |
| 398430.40 | 3870186.78 | 0.02288 | 398420.98 | 3870209.51 | 0.02304 |
| 398411.57 | 3870232.24 | 0.02320 | 398402.15 | 3870254.97 | 0.02336 |
| 398392.74 | 3870277.70 | 0.02353 | 398383.32 | 3870300.43 | 0.02368 |
| 398373.91 | 3870323.16 | 0.02384 | 398364.49 | 3870345.89 | 0.02399 |
| 398355.08 | 3870368.62 | 0.02413 | 398345.67 | 3870391.35 | 0.02427 |
| 398336.25 | 3870414.08 | 0.02440 | 398326.84 | 3870436.81 | 0.02451 |
| 398317.42 | 3870459.54 | 0.02463 | 398308.01 | 3870482.27 | 0.02473 |
| 398298.59 | 3870505.00 | 0.02483 | 398289.18 | 3870527.73 | 0.02492 |
| 398279.76 | 3870550.46 | 0.02501 | 398270.35 | 3870573.19 | 0.02510 |

| | | | | | |
|---|---|---|---|---|---|
| 398260.94 | 3870595.92 | 0.02518 | 398251.52 | 3870618.65 | 0.02526 |
| 398242.11 | 3870641.38 | 0.02534 | 398232.69 | 3870664.11 | 0.02541 |
| 398223.28 | 3870686.84 | 0.02546 | 398213.86 | 3870709.57 | 0.02551 |
| 398204.45 | 3870732.30 | 0.02555 | 398195.04 | 3870755.02 | 0.02558 |
| 398185.62 | 3870777.75 | 0.02559 | 398176.21 | 3870800.48 | 0.02560 |
| 398166.79 | 3870823.21 | 0.02559 | 398157.38 | 3870845.94 | 0.02557 |
| 398147.96 | 3870868.67 | 0.02554 | 398138.55 | 3870891.40 | 0.02550 |
| 398129.13 | 3870914.13 | 0.02545 | 398119.72 | 3870936.86 | 0.02540 |
| 398110.31 | 3870959.59 | 0.02534 | 398100.89 | 3870982.32 | 0.02528 |
| 398091.48 | 3871005.05 | 0.02522 | 398082.06 | 3871027.78 | 0.02516 |
| 398072.65 | 3871050.51 | 0.02511 | 398063.23 | 3871073.24 | 0.02505 |
| 398053.82 | 3871095.97 | 0.02499 | 398044.40 | 3871118.70 | 0.02493 |
| 398034.99 | 3871141.43 | 0.02487 | 398025.58 | 3871164.16 | 0.02482 |
| 398016.16 | 3871186.89 | 0.02478 | 398006.75 | 3871209.62 | 0.02473 |
| 397974.60 | 3871241.77 | 0.02500 | 397951.87 | 3871251.18 | 0.02532 |
| 397929.14 | 3871260.60 | 0.02563 | 397906.41 | 3871270.01 | 0.02594 |
| 397883.68 | 3871279.42 | 0.02623 | 397860.95 | 3871288.84 | 0.02651 |
| 397838.22 | 3871298.25 | 0.02677 | 397815.49 | 3871307.67 | 0.02700 |
| 397792.76 | 3871317.08 | 0.02722 | 397770.03 | 3871326.50 | 0.02741 |
| 397747.30 | 3871335.91 | 0.02757 | 397724.57 | 3871345.33 | 0.02770 |
| 397701.84 | 3871354.74 | 0.02779 | 397679.11 | 3871364.15 | 0.02785 |
| 397656.38 | 3871373.57 | 0.02788 | 397633.65 | 3871382.98 | 0.02786 |
| 397610.92 | 3871392.40 | 0.02780 | 397588.19 | 3871401.81 | 0.02769 |
| 397565.46 | 3871411.23 | 0.02754 | 397542.73 | 3871420.64 | 0.02736 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397520.01 | 3871430.06 | 0.02713 | 397497.28 | 3871439.47 | 0.02688 |
| 397474.55 | 3871448.88 | 0.02659 | 397451.82 | 3871458.30 | 0.02628 |
| 397429.09 | 3871467.71 | 0.02594 | 397406.36 | 3871477.13 | 0.02557 |
| 397383.63 | 3871486.54 | 0.02519 | 397360.90 | 3871495.96 | 0.02478 |
| 397338.17 | 3871505.37 | 0.02437 | 397315.44 | 3871514.78 | 0.02395 |
| 397292.71 | 3871524.20 | 0.02352 | 397269.98 | 3871533.61 | 0.02309 |
| 397247.25 | 3871543.03 | 0.02264 | 397224.52 | 3871552.44 | 0.02222 |
| 397201.79 | 3871561.86 | 0.02177 | 397179.06 | 3871571.27 | 0.02132 |
| 397156.33 | 3871580.69 | 0.02090 | 397133.60 | 3871590.10 | 0.02048 |
| 397110.87 | 3871599.51 | 0.02006 | 397088.14 | 3871608.93 | 0.01965 |
| 397065.41 | 3871618.34 | 0.01924 | 397042.68 | 3871627.76 | 0.01884 |
| 397019.95 | 3871637.17 | 0.01793 | 396997.22 | 3871646.59 | 0.01748 |
| 396974.49 | 3871656.00 | 0.01712 | 396951.76 | 3871665.42 | 0.01678 |
| 396929.03 | 3871674.83 | 0.01644 | 396906.30 | 3871684.24 | 0.01611 |
| 396883.57 | 3871693.66 | 0.01579 | 396860.84 | 3871703.07 | 0.01548 |
| 396838.11 | 3871712.49 | 0.01518 | 396815.38 | 3871721.90 | 0.01487 |

| | | | | | |
|---|---|---|---|---|---|
| | 396792.65 | 3871731.32 | 0.01449 | | |
| 396769.92 | 3871740.73 | 0.01420 | | | |
| | 396747.19 | 3871750.15 | 0.01394 | | |
| 398524.54 | 3869959.48 | 0.02159 | | | |
| | 398524.54 | 3869934.59 | 0.02161 | | |
| 398524.54 | 3869909.70 | 0.02162 | | | |
| | 398524.54 | 3869884.81 | 0.02161 | | |
| 398524.54 | 3869859.91 | 0.02159 | | | |
| | 398524.53 | 3869835.02 | 0.02153 | | |
| 398524.53 | 3869810.13 | 0.02147 | | | |
| | 398524.53 | 3869785.24 | 0.02139 | | |
| 398524.53 | 3869760.35 | 0.02128 | | | |
| | 398524.53 | 3869735.46 | 0.02117 | | |
| 398524.53 | 3869710.57 | 0.02103 | | | |
| | 398524.53 | 3869685.67 | 0.02087 | | |
| 398524.53 | 3869660.78 | 0.02071 | | | |
| | 398524.53 | 3869635.89 | 0.02055 | | |
| 398524.52 | 3869611.00 | 0.02038 | | | |
| | 398524.52 | 3869586.11 | 0.02020 | | |
| 398524.52 | 3869561.22 | 0.02002 | | | |
| | 398524.52 | 3869536.33 | 0.01985 | | |
| 398524.52 | 3869511.43 | 0.01966 | | | |
| | 398524.52 | 3869486.54 | 0.01946 | | |
| 398524.52 | 3869461.65 | 0.01928 | | | |
| | 398524.52 | 3869436.76 | 0.01910 | | |
| 398524.52 | 3869411.87 | 0.01890 | | | |
| | 398524.51 | 3869386.98 | 0.01871 | | |
| 398524.51 | 3869362.09 | 0.01849 | | | |
| | 398524.51 | 3869337.19 | 0.01828 | | |
| 398524.51 | 3869312.30 | 0.01805 | | | |
| | 398524.51 | 3869287.41 | 0.01781 | | |
| 398524.51 | 3869262.52 | 0.01756 | | | |
| | 398524.51 | 3869237.63 | 0.01728 | | |
| 398524.51 | 3869212.74 | 0.01701 | | | |
| | 398524.51 | 3869187.85 | 0.01673 | | |
| 398524.50 | 3869162.96 | 0.01643 | | | |
| | 398524.50 | 3869138.06 | 0.01612 | | |
| 398524.50 | 3869113.17 | 0.01582 | | | |
| | 398524.50 | 3869088.28 | 0.01550 | | |
| 398524.50 | 3869063.39 | 0.01521 | | | |
| | 398915.06 | 3869982.34 | 0.01627 | | |
| 398905.59 | 3870005.22 | 0.01630 | | | |
| | 398896.11 | 3870028.10 | 0.01633 | | |
| 398886.64 | 3870050.98 | 0.01635 | | | |
| | 398877.16 | 3870073.85 | 0.01638 | | |
| 398867.68 | 3870096.73 | 0.01641 | | | |
| | 398858.21 | 3870119.61 | 0.01644 | | |
| 398848.73 | 3870142.49 | 0.01647 | | | |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 398839.26 | 3870165.37 | 0.01652 | 398829.78 | 3870188.25 | 0.01658 |
| 398820.30 | 3870211.12 | 0.01665 | 398810.83 | 3870234.00 | 0.01672 |
| 398801.35 | 3870256.88 | 0.01681 | 398791.88 | 3870279.76 | 0.01690 |
| 398782.40 | 3870302.64 | 0.01700 | 398772.92 | 3870325.52 | 0.01711 |
| 398763.45 | 3870348.40 | 0.01723 | 398753.97 | 3870371.27 | 0.01734 |
| 398744.50 | 3870394.15 | 0.01747 | 398735.02 | 3870417.03 | 0.01758 |
| 398725.54 | 3870439.91 | 0.01770 | 398716.07 | 3870462.79 | 0.01781 |
| 398706.59 | 3870485.67 | 0.01791 | 398697.12 | 3870508.54 | 0.01802 |
| 398687.64 | 3870531.42 | 0.01811 | 398678.17 | 3870554.30 | 0.01820 |
| 398668.69 | 3870577.18 | 0.01829 | 398659.21 | 3870600.06 | 0.01838 |
| 398649.74 | 3870622.94 | 0.01846 | 398640.26 | 3870645.81 | 0.01854 |
| 398630.79 | 3870668.69 | 0.01862 | 398621.31 | 3870691.57 | 0.01869 |
| 398611.83 | 3870714.45 | 0.01876 | 398602.36 | 3870737.33 | 0.01883 |
| 398592.88 | 3870760.21 | 0.01890 | 398583.41 | 3870783.09 | 0.01896 |
| 398573.93 | 3870805.96 | 0.01902 | 398564.45 | 3870828.84 | 0.01908 |
| 398554.98 | 3870851.72 | 0.01912 | 398545.50 | 3870874.60 | 0.01915 |

398536.03 3870897.48 0.01918
398526.55 3870920.36 0.01919
398517.07 3870943.23 0.01920
398507.60 3870966.11 0.01919
398498.12 3870988.99 0.01918
398488.65 3871011.87 0.01915
398479.17 3871034.75 0.01912
398469.69 3871057.63 0.01908
398460.22 3871080.50 0.01903
398450.74 3871103.38 0.01898
398441.27 3871126.26 0.01893
398431.79 3871149.14 0.01888
398422.31 3871172.02 0.01883
398412.84 3871194.90 0.01878
398403.36 3871217.78 0.01873
398393.89 3871240.65 0.01869
398384.41 3871263.53 0.01865
398374.93 3871286.41 0.01861
398365.46 3871309.29 0.01858
398355.98 3871332.17 0.01855
398346.51 3871355.05 0.01853
398337.03 3871377.92 0.01852
398327.55 3871400.80 0.01851
398318.08 3871423.68 0.01850
398308.60 3871446.56 0.01850
398299.13 3871469.44 0.01850
398289.65 3871492.32 0.01850
398257.30 3871524.67 0.01874
398234.42 3871534.15 0.01898
398211.54 3871543.62 0.01922
398188.66 3871553.10 0.01946
398165.78 3871562.57 0.01969
398142.90 3871572.05 0.01992
398120.03 3871581.53 0.02015
398097.15 3871591.00 0.02037
398074.27 3871600.48 0.02058
398051.39 3871609.95 0.02077
398028.51 3871619.43 0.02095
398005.63 3871628.91 0.02112
397982.76 3871638.38 0.02127
397959.88 3871647.86 0.02140
397937.00 3871657.33 0.02151
397914.12 3871666.81 0.02159
397891.24 3871676.29 0.02165
397868.36 3871685.76 0.02169
397845.48 3871695.24 0.02170
397822.61 3871704.71 0.02168
397799.73 3871714.19 0.02162

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397776.85 | 3871723.67 | 0.02154 | 397753.97 | 3871733.14 | 0.02144 |
| 397731.09 | 3871742.62 | 0.02130 | 397708.21 | 3871752.09 | 0.02113 |
| 397685.34 | 3871761.57 | 0.02094 | 397662.46 | 3871771.05 | 0.02072 |
| 397639.58 | 3871780.52 | 0.02047 | 397616.70 | 3871790.00 | 0.02021 |
| 397593.82 | 3871799.47 | 0.01992 | 397570.94 | 3871808.95 | 0.01962 |
| 397548.07 | 3871818.43 | 0.01931 | 397525.19 | 3871827.90 | 0.01898 |
| 397502.31 | 3871837.38 | 0.01864 | 397479.43 | 3871846.85 | 0.01809 |
| 397456.55 | 3871856.33 | 0.01770 | 397433.67 | 3871865.81 | 0.01731 |
| 397410.79 | 3871875.28 | 0.01692 | 397387.92 | 3871884.76 | 0.01653 |
| 397365.04 | 3871894.23 | 0.01616 | 397342.16 | 3871903.71 | 0.01578 |
| 397319.28 | 3871913.19 | 0.01542 | 397296.40 | 3871922.66 | 0.01506 |
| 397273.52 | 3871932.14 | 0.01471 | 397250.65 | 3871941.61 | 0.01439 |
| 397227.77 | 3871951.09 | 0.01413 | 397204.89 | 3871960.56 | 0.01384 |
| 397182.01 | 3871970.04 | 0.01357 | 397159.13 | 3871979.52 | 0.01332 |
| 397136.25 | 3871988.99 | 0.01308 | 397113.38 | 3871998.47 | 0.01287 |
| 397090.50 | 3872007.94 | 0.01267 | 397067.62 | 3872017.42 | 0.01249 |

397044.74 3872026.90 0.01233
397021.86 3872036.37 0.01218
396998.98 3872045.85 0.01204
396976.10 3872055.32 0.01190
396953.23 3872064.80 0.01178
396930.35 3872074.28 0.01165
396907.47 3872083.75 0.01153
396884.59 3872093.23 0.01135
396861.71 3872102.70 0.01122
396838.83 3872112.18 0.01110
396815.96 3872121.66 0.01097
396793.08 3872131.13 0.01083
396770.20 3872140.61 0.01065
396747.32 3872150.08 0.01047
398924.54 3869959.46 0.01623
398924.54 3869934.57 0.01626
398924.54 3869909.68 0.01629
398924.54 3869884.79 0.01630
398924.54 3869859.90 0.01629
398924.53 3869835.00 0.01626
398924.53 3869810.11 0.01621
398924.53 3869785.22 0.01613
398924.53 3869760.33 0.01605
398924.53 3869735.44 0.01594
398924.53 3869710.55 0.01583
398924.53 3869685.66 0.01571
398924.53 3869660.77 0.01559
398924.53 3869635.87 0.01547
398924.52 3869610.98 0.01533
398924.52 3869586.09 0.01520
398924.52 3869561.20 0.01507
398924.52 3869536.31 0.01493
398924.52 3869511.42 0.01481
398924.52 3869486.53 0.01468
398924.52 3869461.63 0.01455
398924.52 3869436.74 0.01442
398924.52 3869411.85 0.01429
398924.51 3869386.96 0.01416
398924.51 3869362.07 0.01402
398924.51 3869337.18 0.01387
398924.51 3869312.29 0.01371
398924.51 3869287.39 0.01355
398924.51 3869262.50 0.01339
398924.51 3869237.61 0.01321
398924.51 3869212.72 0.01303
398924.51 3869187.83 0.01283
398924.50 3869162.94 0.01263
398924.50 3869138.05 0.01244

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 398924.50 | 3869113.15 | 0.01224 | 398924.50 | 3869088.26 | 0.01205 |
| 398924.50 | 3869063.37 | 0.01186 | 399315.02 | 3869982.43 | 0.01284 |
| 399305.50 | 3870005.41 | 0.01286 | 399295.98 | 3870028.39 | 0.01288 |
| 399286.46 | 3870051.37 | 0.01289 | 399276.94 | 3870074.36 | 0.01289 |
| 399267.43 | 3870097.34 | 0.01289 | 399257.91 | 3870120.32 | 0.01288 |
| 399248.39 | 3870143.30 | 0.01288 | 399238.87 | 3870166.29 | 0.01287 |
| 399229.35 | 3870189.27 | 0.01287 | 399219.83 | 3870212.25 | 0.01288 |
| 399210.31 | 3870235.23 | 0.01288 | 399200.79 | 3870258.22 | 0.01290 |
| 399191.27 | 3870281.20 | 0.01293 | 399181.75 | 3870304.18 | 0.01296 |
| 399172.24 | 3870327.16 | 0.01300 | 399162.72 | 3870350.15 | 0.01305 |
| 399153.20 | 3870373.13 | 0.01311 | 399143.68 | 3870396.11 | 0.01317 |
| 399134.16 | 3870419.09 | 0.01324 | 399124.64 | 3870442.07 | 0.01332 |
| 399115.12 | 3870465.06 | 0.01339 | 399105.60 | 3870488.04 | 0.01347 |
| 399096.08 | 3870511.02 | 0.01355 | 399086.56 | 3870534.00 | 0.01363 |
| 399077.05 | 3870556.99 | 0.01371 | 399067.53 | 3870579.97 | 0.01378 |
| 399058.01 | 3870602.95 | 0.01386 | 399048.49 | 3870625.93 | 0.01394 |

| | | | | | |
|---|---|---|---|---|---|
| 399038.97 | 3870648.92 | 0.01402 | 399029.45 | 3870671.90 | 0.01409 |
| 399019.93 | 3870694.88 | 0.01417 | 399010.41 | 3870717.86 | 0.01424 |
| 399000.89 | 3870740.85 | 0.01432 | 398991.37 | 3870763.83 | 0.01439 |
| 398981.85 | 3870786.81 | 0.01446 | 398972.34 | 3870809.79 | 0.01453 |
| 398962.82 | 3870832.78 | 0.01461 | 398953.30 | 3870855.76 | 0.01467 |
| 398943.78 | 3870878.74 | 0.01474 | 398934.26 | 3870901.72 | 0.01480 |
| 398924.74 | 3870924.71 | 0.01486 | 398915.22 | 3870947.69 | 0.01491 |
| 398905.70 | 3870970.67 | 0.01496 | 398896.18 | 3870993.65 | 0.01500 |
| 398886.66 | 3871016.64 | 0.01504 | 398877.15 | 3871039.62 | 0.01507 |
| 398867.63 | 3871062.60 | 0.01508 | 398858.11 | 3871085.58 | 0.01509 |
| 398848.59 | 3871108.56 | 0.01510 | 398839.07 | 3871131.55 | 0.01509 |
| 398829.55 | 3871154.53 | 0.01507 | 398820.03 | 3871177.51 | 0.01504 |
| 398810.51 | 3871200.49 | 0.01501 | 398800.99 | 3871223.48 | 0.01497 |
| 398791.47 | 3871246.46 | 0.01492 | 398781.96 | 3871269.44 | 0.01488 |
| 398772.44 | 3871292.42 | 0.01483 | 398762.92 | 3871315.41 | 0.01477 |
| 398753.40 | 3871338.39 | 0.01472 | 398743.88 | 3871361.37 | 0.01467 |
| 398734.36 | 3871384.35 | 0.01462 | 398724.84 | 3871407.34 | 0.01458 |
| 398715.32 | 3871430.32 | 0.01453 | 398705.80 | 3871453.30 | 0.01449 |
| 398696.28 | 3871476.28 | 0.01446 | 398686.77 | 3871499.27 | 0.01443 |
| 398677.25 | 3871522.25 | 0.01440 | 398667.73 | 3871545.23 | 0.01438 |
| 398658.21 | 3871568.21 | 0.01437 | 398648.69 | 3871591.20 | 0.01435 |
| 398639.17 | 3871614.18 | 0.01435 | 398629.65 | 3871637.16 | 0.01435 |
| 398620.13 | 3871660.14 | 0.01435 | 398610.61 | 3871683.13 | 0.01436 |
| 398601.09 | 3871706.11 | 0.01438 | 398591.57 | 3871729.09 | 0.01440 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 398582.06 | 3871752.07 | 0.01442 | 398572.54 | 3871775.06 | 0.01444 |
| 398540.04 | 3871807.56 | 0.01465 | 398517.05 | 3871817.08 | 0.01484 |
| 398494.07 | 3871826.59 | 0.01502 | 398471.09 | 3871836.11 | 0.01521 |
| 398448.11 | 3871845.63 | 0.01540 | 398425.12 | 3871855.15 | 0.01558 |
| 398402.14 | 3871864.67 | 0.01577 | 398379.16 | 3871874.19 | 0.01595 |
| 398356.18 | 3871883.71 | 0.01612 | 398333.19 | 3871893.23 | 0.01630 |
| 398310.21 | 3871902.75 | 0.01646 | 398287.23 | 3871912.27 | 0.01662 |
| 398264.25 | 3871921.78 | 0.01677 | 398241.26 | 3871931.30 | 0.01690 |
| 398218.28 | 3871940.82 | 0.01703 | 398195.30 | 3871950.34 | 0.01715 |
| 398172.32 | 3871959.86 | 0.01726 | 398149.33 | 3871969.38 | 0.01735 |
| 398126.35 | 3871978.90 | 0.01743 | 398103.37 | 3871988.42 | 0.01749 |
| 398080.39 | 3871997.94 | 0.01753 | 398057.40 | 3872007.46 | 0.01755 |
| 398034.42 | 3872016.98 | 0.01754 | 398011.44 | 3872026.49 | 0.01752 |
| 397988.46 | 3872036.01 | 0.01758 | 397965.47 | 3872045.53 | 0.01751 |
| 397942.49 | 3872055.05 | 0.01731 | 397919.51 | 3872064.57 | 0.01721 |
| 397896.53 | 3872074.09 | 0.01708 | 397873.55 | 3872083.61 | 0.01693 |

397850.56 3872093.13 0.01681
397827.58 3872102.65 0.01659
397804.60 3872112.17 0.01636
397781.62 3872121.68 0.01611
397758.63 3872131.20 0.01583
397735.65 3872140.72 0.01556
397712.67 3872150.24 0.01528
397689.69 3872159.76 0.01498
397666.70 3872169.28 0.01468
397643.72 3872178.80 0.01437
397620.74 3872188.32 0.01406
397597.76 3872197.84 0.01374
397574.77 3872207.36 0.01341
397551.79 3872216.87 0.01310
397528.81 3872226.39 0.01278
397505.83 3872235.91 0.01248
397482.84 3872245.43 0.01218
397459.86 3872254.95 0.01190
397436.88 3872264.47 0.01162
397413.90 3872273.99 0.01136
397390.91 3872283.51 0.01109
397367.93 3872293.03 0.01086
397344.95 3872302.55 0.01064
397321.97 3872312.07 0.01043
397298.98 3872321.58 0.01023
397276.00 3872331.10 0.01008
397253.02 3872340.62 0.00993
397230.04 3872350.14 0.00985
397207.05 3872359.66 0.00973
397184.07 3872369.18 0.00961
397161.09 3872378.70 0.00951
397138.11 3872388.22 0.00943
397115.13 3872397.74 0.00936
397092.14 3872407.26 0.00929
397069.16 3872416.77 0.00924
397046.18 3872426.29 0.00922
397023.20 3872435.81 0.00919
397000.21 3872445.33 0.00916
396977.23 3872454.85 0.00910
396954.25 3872464.37 0.00906
396931.27 3872473.89 0.00903
396908.28 3872483.41 0.00894
396885.30 3872492.93 0.00889
396862.32 3872502.45 0.00883
396839.34 3872511.96 0.00871
396816.35 3872521.48 0.00858
396793.37 3872531.00 0.00848
396770.39 3872540.52 0.00831

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396747.41 | 3872550.04 | 0.00805 | 399324.54 | 3869959.44 | 0.01281 |
| 399324.54 | 3869934.55 | 0.01284 | 399324.54 | 3869909.66 | 0.01285 |
| 399324.54 | 3869884.77 | 0.01285 | 399324.54 | 3869859.88 | 0.01284 |
| 399324.53 | 3869834.99 | 0.01281 | 399324.53 | 3869810.10 | 0.01277 |
| 399324.53 | 3869785.20 | 0.01271 | 399324.53 | 3869760.31 | 0.01266 |
| 399324.53 | 3869735.42 | 0.01259 | 399324.53 | 3869710.53 | 0.01251 |
| 399324.53 | 3869685.64 | 0.01243 | 399324.53 | 3869660.75 | 0.01233 |
| 399324.53 | 3869635.86 | 0.01224 | 399324.52 | 3869610.96 | 0.01214 |
| 399324.52 | 3869586.07 | 0.01205 | 399324.52 | 3869561.18 | 0.01195 |
| 399324.52 | 3869536.29 | 0.01185 | 399324.52 | 3869511.40 | 0.01176 |
| 399324.52 | 3869486.51 | 0.01165 | 399324.52 | 3869461.62 | 0.01155 |
| 399324.52 | 3869436.72 | 0.01145 | 399324.52 | 3869411.83 | 0.01135 |
| 399324.51 | 3869386.94 | 0.01124 | 399324.51 | 3869362.05 | 0.01112 |
| 399324.51 | 3869337.16 | 0.01101 | 399324.51 | 3869312.27 | 0.01089 |
| 399324.51 | 3869287.38 | 0.01077 | 399324.51 | 3869262.49 | 0.01064 |
| 399324.51 | 3869237.59 | 0.01050 | 399324.51 | 3869212.70 | 0.01036 |

399324.51 3869187.81 0.01022
399324.50 3869162.92 0.01008
399324.50 3869138.03 0.00993
399324.50 3869113.14 0.00978
399324.50 3869088.25 0.00963
399324.50 3869063.35 0.00949
395826.53 3869959.52 0.18177
395828.79 3869063.47 0.44217
396724.50 3869063.47 0.33582
396724.54 3869959.56 0.65468
395826.59 3869934.63 0.26925
395826.66 3869909.74 0.32799
395826.72 3869884.85 0.36309
395826.78 3869859.96 0.38646
395826.84 3869835.07 0.40816
395826.91 3869810.18 0.42611
395826.97 3869785.29 0.44117
395827.03 3869760.40 0.45413
395827.10 3869735.51 0.46562
395827.16 3869710.62 0.47582
395827.22 3869685.73 0.48499
395827.28 3869660.84 0.49355
395827.35 3869635.95 0.50204
395827.41 3869611.06 0.50898
395827.47 3869586.17 0.51521
395827.53 3869561.28 0.52082
395827.60 3869536.39 0.52568
395827.66 3869511.50 0.53051
395827.72 3869486.60 0.53473
395827.79 3869461.71 0.53816
395827.85 3869436.82 0.54042
395827.91 3869411.93 0.54231
395827.97 3869387.04 0.54415
395828.04 3869362.15 0.54618
395828.10 3869337.26 0.54750
395828.16 3869312.37 0.54810
395828.22 3869287.48 0.54822
395828.29 3869262.59 0.54753
395828.35 3869237.70 0.54574
395828.41 3869212.81 0.54321
395828.48 3869187.92 0.53937
395828.54 3869163.03 0.53349
395828.60 3869138.14 0.52606
395828.66 3869113.25 0.50951
395828.73 3869088.36 0.48301
395853.67 3869063.47 0.51417
395878.55 3869063.47 0.56232
395903.43 3869063.47 0.59345

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395928.31 | 3869063.47 | 0.60851 | 395953.19 | 3869063.47 | 0.61074 |
| 395978.07 | 3869063.47 | 0.62453 | 396002.96 | 3869063.47 | 0.63599 |
| 396027.84 | 3869063.47 | 0.64554 | 396052.72 | 3869063.47 | 0.64572 |
| 396077.60 | 3869063.47 | 0.64369 | 396102.48 | 3869063.47 | 0.64953 |
| 396127.36 | 3869063.47 | 0.65491 | 396152.24 | 3869063.47 | 0.65927 |
| 396177.12 | 3869063.47 | 0.66232 | 396202.00 | 3869063.47 | 0.65813 |
| 396226.88 | 3869063.47 | 0.65183 | 396251.76 | 3869063.47 | 0.65318 |
| 396276.64 | 3869063.47 | 0.65367 | 396301.53 | 3869063.47 | 0.65369 |
| 396326.41 | 3869063.47 | 0.64769 | 396351.29 | 3869063.47 | 0.64121 |
| 396376.17 | 3869063.47 | 0.63756 | 396401.05 | 3869063.47 | 0.63517 |
| 396425.93 | 3869063.47 | 0.63173 | 396450.81 | 3869063.47 | 0.62148 |
| 396475.69 | 3869063.47 | 0.61246 | 396500.57 | 3869063.47 | 0.60457 |
| 396525.45 | 3869063.47 | 0.59630 | 396550.33 | 3869063.47 | 0.58628 |
| 396575.21 | 3869063.47 | 0.57400 | 396600.10 | 3869063.47 | 0.55865 |
| 396624.98 | 3869063.47 | 0.53878 | 396649.86 | 3869063.47 | 0.51255 |
| 396674.74 | 3869063.47 | 0.47569 | 396699.62 | 3869063.47 | 0.41885 |

| | | | | | |
|---|---|---|---|---|---|
| 396724.50 | 3869088.36 | 0.44146 | 396724.50 | 3869113.25 | 0.52602 |
| 396724.50 | 3869138.14 | 0.58444 | 396724.50 | 3869163.04 | 0.62740 |
| 396724.51 | 3869187.93 | 0.66079 | 396724.51 | 3869212.82 | 0.68747 |
| 396724.51 | 3869237.71 | 0.70944 | 396724.51 | 3869262.60 | 0.72792 |
| 396724.51 | 3869287.49 | 0.74380 | 396724.51 | 3869312.38 | 0.75694 |
| 396724.51 | 3869337.28 | 0.76926 | 396724.51 | 3869362.17 | 0.78271 |
| 396724.51 | 3869387.06 | 0.79983 | 396724.52 | 3869411.95 | 0.80651 |
| 396724.52 | 3869436.84 | 0.81285 | 396724.52 | 3869461.73 | 0.81844 |
| 396724.52 | 3869486.62 | 0.82318 | 396724.52 | 3869511.52 | 0.82689 |
| 396724.52 | 3869536.41 | 0.82964 | 396724.52 | 3869561.30 | 0.84129 |
| 396724.52 | 3869586.19 | 0.84428 | 396724.52 | 3869611.08 | 0.84460 |
| 396724.53 | 3869635.97 | 0.84416 | 396724.53 | 3869660.86 | 0.84282 |
| 396724.53 | 3869685.75 | 0.84087 | 396724.53 | 3869710.65 | 0.83799 |
| 396724.53 | 3869735.54 | 0.84470 | 396724.53 | 3869760.43 | 0.84520 |
| 396724.53 | 3869785.32 | 0.83870 | 396724.53 | 3869810.21 | 0.83016 |
| 396724.53 | 3869835.10 | 0.81941 | 396724.54 | 3869859.99 | 0.80504 |
| 396724.54 | 3869884.89 | 0.78539 | 396724.54 | 3869909.78 | 0.75734 |
| 396724.54 | 3869934.67 | 0.71466 | 396699.60 | 3869959.56 | 0.69311 |
| 396674.65 | 3869959.56 | 0.71778 | 396649.71 | 3869959.56 | 0.73220 |
| 396624.76 | 3869959.56 | 0.74179 | 396599.82 | 3869959.55 | 0.75245 |
| 396574.87 | 3869959.55 | 0.76572 | 396549.93 | 3869959.55 | 0.76702 |
| 396524.98 | 3869959.55 | 0.76724 | 396500.04 | 3869959.55 | 0.76823 |
| 396475.09 | 3869959.55 | 0.77629 | 396450.15 | 3869959.55 | 0.78525 |
| 396425.20 | 3869959.55 | 0.78270 | 396400.26 | 3869959.55 | 0.77908 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396375.31 | 3869959.54 | 0.77470 | 396350.37 | 3869959.54 | 0.76988 |
| 396325.42 | 3869959.54 | 0.76422 | 396300.48 | 3869959.54 | 0.75789 |
| 396275.54 | 3869959.54 | 0.75136 | 396250.59 | 3869959.54 | 0.74683 |
| 396225.65 | 3869959.54 | 0.73721 | 396200.70 | 3869959.54 | 0.72587 |
| 396175.76 | 3869959.54 | 0.71537 | 396150.81 | 3869959.53 | 0.70406 |
| 396125.87 | 3869959.53 | 0.69190 | 396100.92 | 3869959.53 | 0.67709 |
| 396075.98 | 3869959.53 | 0.65908 | 396051.03 | 3869959.53 | 0.64243 |
| 396026.09 | 3869959.53 | 0.62281 | 396001.14 | 3869959.53 | 0.60029 |
| 395976.20 | 3869959.53 | 0.57416 | 395951.25 | 3869959.53 | 0.54295 |
| 395926.31 | 3869959.52 | 0.50555 | 395901.36 | 3869959.52 | 0.46340 |
| 395876.42 | 3869959.52 | 0.40381 | 395851.47 | 3869959.52 | 0.30881 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396724.50 | 3869038.47 | 13.86951b | (13010324) | 396699.62 | 3869038.47 | 13.75062b | (13010324) |
| 396674.74 | 3869038.47 | 13.60628b | (13010324) | 396649.86 | 3869038.47 | 13.43476b | (13010324) |
| 396624.98 | 3869038.47 | 13.23322b | (13010324) | 396600.10 | 3869038.47 | 13.15154b | (12122824) |
| 396575.21 | 3869038.47 | 13.04844b | (12122824) | 396550.33 | 3869038.47 | 12.90063b | (12122824) |
| 396525.45 | 3869038.47 | 12.71615b | (12122824) | 396500.57 | 3869038.47 | 12.49537b | (12122824) |
| 396475.69 | 3869038.47 | 12.24030b | (12122824) | 396450.81 | 3869038.47 | 12.01306b | (12122824) |
| 396425.93 | 3869038.47 | 11.85886b | (12122824) | 396401.05 | 3869038.47 | 11.51348b | (12122824) |
| 396376.17 | 3869038.47 | 11.18521b | (13122724) | 396351.29 | 3869038.47 | 11.50725b | (13122724) |
| 396326.41 | 3869038.47 | 11.83161b | (13122724) | 396301.53 | 3869038.47 | 12.18220b | (13122724) |
| 396276.65 | 3869038.47 | 12.51774b | (13122724) | 396251.76 | 3869038.47 | 12.64699b | (13122724) |
| 396226.88 | 3869038.47 | 12.74295b | (13122724) | 396202.00 | 3869038.47 | 13.08418b | (13122724) |
| 396177.12 | 3869038.47 | 13.35891b | (13122724) | 396152.24 | 3869038.47 | 13.39935b | (13122724) |
| 396127.36 | 3869038.47 | 13.42900b | (13122724) | 396102.48 | 3869038.47 | 13.45203b | (13122724) |
| 396077.60 | 3869038.47 | 13.47039b | (13122724) | 396052.72 | 3869038.47 | 13.81247b | (13122724) |
| 396027.84 | 3869038.47 | 14.11774b | (13122724) | 396002.96 | 3869038.47 | 14.12750b | (13122724) |
| 395978.08 | 3869038.47 | 14.13618b | (13122724) | 395953.19 | 3869038.47 | 14.14370b | (13122724) |

395928.31 3869038.47 14.69207b (13122724)
395903.43 3869038.47 14.93374b (13122724)
395878.55 3869038.47 14.93783b (13122724)
395853.67 3869038.47 14.93601b (13122724)
395828.79 3869038.47 14.84860b (13122724)
396742.18 3869020.79 14.00682b (13010324)
396767.18 3869045.79 13.75586b (13010324)
396699.62 3869013.47 13.92984b (13010324)
396674.74 3869013.47 13.76223b (13010324)
396649.86 3869013.47 13.56606b (13010324)
396624.98 3869013.47 13.33906b (13010324)
396600.10 3869013.47 13.08118b (13010324)
396575.21 3869013.47 12.79163b (13010324)
396550.33 3869013.47 12.47161b (13010324)
396525.45 3869013.47 12.23606b (12122824)
396500.57 3869013.47 11.99438b (12122824)
396475.69 3869013.47 11.72291b (12122824)
396450.81 3869013.47 11.45439b (12122824)
396425.93 3869013.47 11.22312b (12122824)
396401.05 3869013.47 10.94201b (12122824)
396376.17 3869013.47 10.92566b (13122724)
396351.29 3869013.47 11.26586b (13122724)
396326.41 3869013.47 11.54781b (13122724)
396301.53 3869013.47 11.82763b (13122724)
396276.65 3869013.47 12.18238b (13122724)
396251.76 3869013.47 12.45813b (13122724)
396226.88 3869013.47 12.58042b (13122724)
396202.00 3869013.47 12.92919b (13122724)
396177.12 3869013.47 13.20879b (13122724)
396152.24 3869013.47 13.25592b (13122724)
396127.36 3869013.47 13.29078b (13122724)
396102.48 3869013.47 13.31693b (13122724)
396077.60 3869013.47 13.33688b (13122724)
396052.72 3869013.47 13.66415b (13122724)
396027.84 3869013.47 13.96409b (13122724)
396002.96 3869013.47 13.97494b (13122724)
395978.08 3869013.47 13.98309b (13122724)
395953.19 3869013.47 13.99051b (13122724)
395928.31 3869013.47 14.55800b (13122724)
395903.43 3869013.47 14.77653b (13122724)
395878.55 3869013.47 14.77541b (13122724)
395853.67 3869013.47 14.77390b (13122724)
395828.79 3869013.47 14.67913b (13122724)
396742.18 3868995.79 14.15154b (13010324)
396784.85 3869028.11 13.81959b (13010324)
396699.62 3868988.47 14.00821b (13010324)
396674.74 3868988.47 13.81705b (13010324)
396649.86 3868988.47 13.59569b (13010324)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396624.98 | 3868988.47 | 13.34452b | (13010324) | 396600.10 | 3868988.47 | 13.06237b | (13010324) |
| 396575.21 | 3868988.47 | 12.75023b | (13010324) | 396550.33 | 3868988.47 | 12.40938b | (13010324) |
| 396525.45 | 3868988.47 | 12.04207b | (13010324) | 396500.57 | 3868988.47 | 11.65037b | (13010324) |
| 396475.69 | 3868988.47 | 11.29660b | (12122824) | 396450.81 | 3868988.47 | 10.98535b | (12122824) |
| 396425.93 | 3868988.47 | 10.66729b | (12122824) | 396401.05 | 3868988.47 | 10.54686c | (13020424) |
| 396376.17 | 3868988.47 | 10.65602b | (13122724) | 396351.29 | 3868988.47 | 11.03081b | (13122724) |
| 396326.41 | 3868988.47 | 11.32969b | (13122724) | 396301.53 | 3868988.47 | 11.53700b | (13122724) |
| 396276.65 | 3868988.47 | 11.75240b | (13122724) | 396251.76 | 3868988.47 | 12.11567b | (13122724) |
| 396226.88 | 3868988.47 | 12.32391b | (13122724) | 396202.00 | 3868988.47 | 12.63834b | (13122724) |
| 396177.12 | 3868988.47 | 12.91593b | (13122724) | 396152.24 | 3868988.47 | 13.04445b | (13122724) |
| 396127.36 | 3868988.47 | 13.08438b | (13122724) | 396102.48 | 3868988.47 | 13.11410b | (13122724) |
| 396077.60 | 3868988.47 | 13.13805b | (13122724) | 396052.72 | 3868988.47 | 13.56350b | (13122724) |
| 396027.84 | 3868988.47 | 13.85819b | (13122724) | 396002.96 | 3868988.47 | 13.86938b | (13122724) |
| 395978.08 | 3868988.47 | 13.87857b | (13122724) | 395953.19 | 3868988.47 | 13.88667b | (13122724) |
| 395928.31 | 3868988.47 | 14.39289b | (13122724) | 395903.43 | 3868988.47 | 14.61392b | (13122724) |
| 395878.55 | 3868988.47 | 14.61475b | (13122724) | 395853.67 | 3868988.47 | 14.60713b | (13122724) |

395828.79 3868988.47 14.52315b (13122724)
396742.18 3868970.79 14.09883b (13010324)
396777.53 3868985.44 14.19924b (13010324)
396802.53 3869010.43 13.90651b (13010324)
396817.18 3869045.79 13.32273b (13010324)
396699.62 3868963.47 13.96676b (13010324)
396674.74 3868963.47 13.75173b (13010324)
396649.86 3868963.47 13.51897b (13010324)
396624.98 3868963.47 13.24899b (13010324)
396600.10 3868963.47 12.94456b (13010324)
396575.21 3868963.47 12.61181b (13010324)
396550.33 3868963.47 12.25268b (13010324)
396525.45 3868963.47 11.86932b (13010324)
396500.57 3868963.47 11.46418b (13010324)
396475.69 3868963.47 11.04014b (13010324)
396450.81 3868963.47 10.60000b (13010324)
396425.93 3868963.47 10.36249c (13020424)
396401.05 3868963.47 10.35299c (13020424)
396376.17 3868963.47 10.47358c (13020424)
396351.29 3868963.47 10.73720b (13122724)
396326.41 3868963.47 11.03021b (13122724)
396301.53 3868963.47 11.30262b (13122724)
396276.65 3868963.47 11.51414b (13122724)
396251.76 3868963.47 11.68257b (13122724)
396226.88 3868963.47 12.06699b (13122724)
396202.00 3868963.47 12.26933b (13122724)
396177.12 3868963.47 12.52806b (13122724)
396152.24 3868963.47 12.88457b (13122724)
396127.36 3868963.47 12.92980b (13122724)
396102.48 3868963.47 12.96334b (13122724)
396077.60 3868963.47 12.98841b (13122724)
396052.72 3868963.47 13.30818b (13122724)
396027.84 3868963.47 13.60451b (13122724)
396002.96 3868963.47 13.70476b (13122724)
395978.08 3868963.47 13.71446b (13122724)
395953.19 3868963.47 13.76077b (13122724)
395928.31 3868963.47 14.20593b (13122724)
395903.43 3868963.47 14.39160b (13122724)
395878.55 3868963.47 14.39404b (13122724)
395853.67 3868963.47 14.38458b (13122724)
395828.79 3868963.47 14.29900b (13122724)
396745.71 3868922.26 13.92682b (13010324)
396766.93 3868931.04 14.11774b (13010324)
396788.14 3868939.83 14.25559b (13010324)
396809.35 3868948.62 14.29014b (13010324)
396839.35 3868978.61 13.88132b (13010324)
396848.14 3868999.83 13.51371b (13010324)
396856.93 3869021.04 13.10629b (13010324)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396865.71 | 3869042.25 | 12.67516b | (13010324) | 396724.50 | 3868913.47 | 13.69460b | (13010324) |
| 396699.62 | 3868913.47 | 13.46834b | (13010324) | 396674.74 | 3868913.47 | 13.21431b | (13010324) |
| 396649.86 | 3868913.47 | 12.96055b | (13010324) | 396624.98 | 3868913.47 | 12.73151b | (13010324) |
| 396600.10 | 3868913.47 | 12.47096b | (13010324) | 396575.21 | 3868913.47 | 12.10358b | (13010324) |
| 396550.33 | 3868913.47 | 11.71419b | (13010324) | 396525.45 | 3868913.47 | 11.30560b | (13010324) |
| 396500.57 | 3868913.47 | 10.88031b | (13010324) | 396475.69 | 3868913.47 | 10.44051b | (13010324) |
| 396450.81 | 3868913.47 | 10.27021c | (13020424) | 396425.93 | 3868913.47 | 10.25884c | (13020424) |
| 396401.05 | 3868913.47 | 10.23655c | (13020424) | 396376.17 | 3868913.47 | 10.19880c | (13020424) |
| 396351.29 | 3868913.47 | 10.14041c | (13020424) | 396326.41 | 3868913.47 | 10.24093b | (13122724) |
| 396301.53 | 3868913.47 | 10.57149b | (13122724) | 396276.65 | 3868913.47 | 10.82995b | (13122724) |
| 396251.76 | 3868913.47 | 11.18988b | (13122724) | 396226.88 | 3868913.47 | 11.62509b | (13122724) |
| 396202.00 | 3868913.47 | 11.85084b | (13122724) | 396177.12 | 3868913.47 | 12.12729b | (13122724) |
| 396152.24 | 3868913.47 | 12.48840b | (13122724) | 396127.36 | 3868913.47 | 12.54644b | (13122724) |
| 396102.48 | 3868913.47 | 12.59010b | (13122724) | 396077.60 | 3868913.47 | 12.62284b | (13122724) |
| 396052.72 | 3868913.47 | 12.64715b | (13122724) | 396027.84 | 3868913.47 | 12.87219b | (13122724) |
| 396002.96 | 3868913.47 | 13.32372b | (13122724) | 395978.08 | 3868913.47 | 13.68188b | (13122724) |

395953.19 3868913.47 13.82814b (13122724)
395928.31 3868913.47 13.85149b (13122724)
395903.43 3868913.47 13.85810b (13122724)
395878.55 3868913.47 13.86065b (13122724)
395853.67 3868913.47 13.85209b (13122724)
395828.79 3868913.47 13.79076b (13122724)
396744.70 3868871.84 13.47872b (13010324)
396785.11 3868888.57 13.95659b (13010324)
396825.51 3868905.31 14.23872b (13010324)
396874.29 3868942.25 13.78615b (13010324)
396891.02 3868982.65 13.04095b (13010324)
396907.76 3869023.06 12.21724b (12120724)
396699.62 3868863.47 12.92083b (13010324)
396674.74 3868863.47 12.62702b (13010324)
396649.86 3868863.47 12.30821b (13010324)
396624.98 3868863.47 11.96654b (13010324)
396600.10 3868863.47 11.65084b (13010324)
396575.21 3868863.47 11.39235b (13010324)
396550.33 3868863.47 10.98157b (13010324)
396525.45 3868863.47 10.55564b (13010324)
396500.57 3868863.47 10.15426c (13020424)
396475.69 3868863.47 10.14781c (13020424)
396450.81 3868863.47 10.13405c (13020424)
396425.93 3868863.47 10.10986c (13020424)
396401.05 3868863.47 10.07156c (13020424)
396376.17 3868863.47 10.01398c (13020424)
396351.29 3868863.47 9.93122c (13020424)
396326.41 3868863.47 9.81654c (13020424)
396301.53 3868863.47 9.98820b (13122724)
396276.65 3868863.47 10.47625b (13122724)
396251.76 3868863.47 10.81261b (13122724)
396226.88 3868863.47 11.41413b (13122724)
396202.00 3868863.47 11.99128b (13122724)
396177.12 3868863.47 12.51974b (13122724)
396152.24 3868863.47 12.90318b (13122724)
396127.36 3868863.47 12.99815b (13122724)
396102.48 3868863.47 13.18459b (13122724)
396077.60 3868863.47 13.22745b (13122724)
396052.72 3868863.47 13.26005b (13122724)
396027.84 3868863.47 13.28427b (13122724)
396002.96 3868863.47 13.30262b (13122724)
395978.08 3868863.47 13.31689b (13122724)
395953.19 3868863.47 13.29740b (13122724)
395928.31 3868863.47 13.28301b (13122724)
395903.43 3868863.47 13.29541b (13122724)
395878.55 3868863.47 13.29893b (13122724)
395853.67 3868863.47 13.29266b (13122724)
395828.79 3868863.47 13.24948b (13122724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396746.60 | 3868822.62 | 12.90607b | (13010324) | 396768.69 | 3868831.77 | 13.24311b | (13010324) |
| 396790.79 | 3868840.93 | 13.54095b | (13010324) | 396812.89 | 3868850.08 | 13.80161b | (13010324) |
| 396834.98 | 3868859.23 | 13.94815b | (13010324) | 396857.08 | 3868868.38 | 14.02727b | (13010324) |
| 396879.18 | 3868877.54 | 13.90841b | (13010324) | 396910.43 | 3868908.79 | 13.40061b | (13010324) |
| 396919.58 | 3868930.88 | 13.01919b | (13010324) | 396928.73 | 3868952.98 | 12.60940b | (13010324) |
| 396937.89 | 3868975.07 | 12.12580b | (13010324) | 396947.04 | 3868997.17 | 11.77860b | (12120724) |
| 396956.19 | 3869019.27 | 11.50116b | (12120724) | 396965.35 | 3869041.36 | 11.19365b | (12120724) |
| 396724.50 | 3868813.47 | 12.53309b | (13010324) | 396699.62 | 3868813.47 | 12.22873b | (13010324) |
| 396674.74 | 3868813.47 | 11.90120b | (13010324) | 396649.86 | 3868813.47 | 11.55269b | (13010324) |
| 396624.98 | 3868813.47 | 11.18444b | (13010324) | 396600.10 | 3868813.47 | 10.79913b | (13010324) |
| 396575.21 | 3868813.47 | 10.41769b | (13010324) | 396550.33 | 3868813.47 | 10.13897b | (13010324) |
| 396525.45 | 3868813.47 | 10.00807c | (13020424) | 396500.57 | 3868813.47 | 9.99870c | (13020424) |
| 396475.69 | 3868813.47 | 9.98268c | (13020424) | 396450.81 | 3868813.47 | 9.95676c | (13020424) |
| 396425.93 | 3868813.47 | 9.91740c | (13020424) | 396401.05 | 3868813.47 | 9.86022c | (13020424) |
| 396376.17 | 3868813.47 | 9.77967c | (13020424) | 396351.29 | 3868813.47 | 9.67711c | (13020424) |
| 396326.41 | 3868813.47 | 9.62309c | (13020424) | 396301.53 | 3868813.47 | 9.69936b | (13122724) |

396276.65 3868813.47 10.31041b (13122724)
396251.76 3868813.47 10.92510b (13122724)
396226.88 3868813.47 11.80063b (13122724)
396202.00 3868813.47 12.06464b (13122724)
396177.12 3868813.47 11.99037b (13122724)
396152.24 3868813.47 11.99142b (13122724)
396127.36 3868813.47 12.08490b (13122724)
396102.48 3868813.47 12.16942b (13122724)
396077.60 3868813.47 12.37010b (13122724)
396052.72 3868813.47 12.46888b (13122724)
396027.84 3868813.47 12.56230b (13122724)
396002.96 3868813.47 12.67285b (13122724)
395978.08 3868813.47 12.74196b (13122724)
395953.19 3868813.47 12.75799b (13122724)
395928.31 3868813.47 12.78694b (13122724)
395903.43 3868813.47 12.75065b (13122724)
395878.55 3868813.47 12.75916b (13122724)
395853.67 3868813.47 12.75507b (13122724)
395828.79 3868813.47 12.72537b (13122724)
396745.93 3868739.01 11.58175b (13010324)
396767.35 3868747.89 11.91291b (13010324)
396788.78 3868756.76 12.28088b (13010324)
396810.21 3868765.64 12.62004b (13010324)
396831.63 3868774.51 12.92673b (13010324)
396853.06 3868783.39 13.19699b (13010324)
396874.49 3868792.26 13.41684b (13010324)
396895.92 3868801.14 13.56172b (13010324)
396917.34 3868810.01 13.59565b (13010324)
396938.77 3868818.89 13.49183b (13010324)
396969.07 3868849.19 12.98080b (13010324)
396977.95 3868870.62 12.62631b (13010324)
396986.83 3868892.04 12.21624b (13010324)
396995.70 3868913.47 11.77482b (13010324)
397004.58 3868934.90 11.51790b (12120724)
397013.45 3868956.32 11.27076b (12120724)
397022.33 3868977.75 10.99272b (12120724)
397031.21 3868999.18 10.68789b (12120724)
397040.08 3869020.60 10.35948b (12120724)
397048.96 3869042.03 10.00799b (12120724)
396724.50 3868730.14 11.25313b (13010324)
396699.62 3868730.14 10.90194b (13010324)
396674.74 3868730.14 10.53374b (13010324)
396649.86 3868730.14 10.15048b (13010324)
396624.98 3868730.14 9.75359b (13010324)
396600.10 3868730.14 9.55642c (13020424)
396575.21 3868730.14 9.57123c (13020424)
396550.33 3868730.14 9.72443c (13020424)
396525.45 3868730.14 9.71407c (13020424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396500.57 | 3868730.14 | 9.68902c | (13020424) | 396475.69 | 3868730.14 | 9.74984c | (13020424) |
| 396450.81 | 3868730.14 | 9.82231c | (13020424) | 396425.93 | 3868730.14 | 9.78145c | (13020424) |
| 396401.05 | 3868730.14 | 9.68349c | (13020424) | 396376.17 | 3868730.14 | 10.03290c | (13020424) |
| 396351.29 | 3868730.14 | 10.08006c | (13020424) | 396326.41 | 3868730.14 | 10.36486c | (13020424) |
| 396301.53 | 3868730.14 | 10.93307c | (13020424) | 396276.65 | 3868730.14 | 10.47697c | (13020424) |
| 396251.76 | 3868730.14 | 10.16912b | (13122724) | 396226.88 | 3868730.14 | 6.39095b | (13122724) |
| 396202.00 | 3868730.14 | 2.12124b | (13121124) | 396177.12 | 3868730.14 | 1.45139b | (09011224) |
| 396152.24 | 3868730.14 | 1.37916b | (09011224) | 396127.36 | 3868730.14 | 1.45695m | (13021824) |
| 396102.48 | 3868730.14 | 1.86089b | (13121124) | 396077.60 | 3868730.14 | 4.64702b | (13122724) |
| 396052.72 | 3868730.14 | 7.90234b | (13122724) | 396027.84 | 3868730.14 | 9.48530b | (13122724) |
| 396002.96 | 3868730.14 | 11.64668b | (13122724) | 395978.08 | 3868730.14 | 11.84915b | (13122724) |
| 395953.19 | 3868730.14 | 11.91762b | (13122724) | 395928.31 | 3868730.14 | 11.95333b | (13122724) |
| 395903.43 | 3868730.14 | 11.65193b | (13122724) | 395878.55 | 3868730.14 | 11.47649b | (13122724) |
| 395853.67 | 3868730.14 | 11.64926b | (13122724) | 395828.79 | 3868730.14 | 11.63494b | (13122724) |
| 396747.16 | 3868656.19 | 10.19300b | (13010324) | 396769.83 | 3868665.58 | 10.65647b | (13010324) |
| 396792.49 | 3868674.96 | 11.09737b | (13010324) | 396815.15 | 3868684.35 | 11.51312b | (13010324) |

396837.82 3868693.74 11.89422b (13010324)
396860.48 3868703.13 12.25664b (13010324)
396883.14 3868712.51 12.57673b (13010324)
396905.81 3868721.90 12.85267b (13010324)
396928.47 3868731.29 13.06478b (13010324)
396951.13 3868740.67 13.18648b (13010324)
396973.79 3868750.06 13.18212b (13010324)
396996.46 3868759.45 13.04909b (13010324)
397028.51 3868791.50 12.49527b (13010324)
397037.90 3868814.16 12.12880b (13010324)
397047.29 3868836.82 11.70425b (13010324)
397056.67 3868859.49 11.33641b (12120724)
397066.06 3868882.15 11.14408b (12120724)
397075.45 3868904.81 10.89671b (12120724)
397084.84 3868927.47 10.61166b (12120724)
397094.23 3868950.14 10.29634b (12120724)
397103.61 3868972.80 9.95554b (12120724)
397113.00 3868995.46 9.59091b (12120724)
397122.39 3869018.13 9.20520b (12120724)
397131.78 3869040.79 8.80121b (12120724)
396724.50 3868646.80 9.71788b (13010324)
396699.62 3868646.80 9.38651b (13010324)
396674.74 3868646.80 9.26521c (13020424)
396649.86 3868646.80 9.27529c (13020424)
396624.98 3868646.80 9.26450c (13020424)
396600.10 3868646.80 9.30900c (13020424)
396575.21 3868646.80 9.44497c (13020424)
396550.33 3868646.80 9.42033c (13020424)
396525.45 3868646.80 9.38665c (13020424)
396500.57 3868646.80 9.51299c (13020424)
396475.69 3868646.80 9.56638c (13020424)
396450.81 3868646.80 9.48147c (13020424)
396425.93 3868646.80 9.38600c (13020424)
396401.05 3868646.80 9.53305c (13020424)
396376.17 3868646.80 9.70212c (13020424)
396351.29 3868646.80 9.56797c (13020424)
396326.41 3868646.80 9.70381c (13020424)
396301.53 3868646.80 9.96872c (13020424)
396276.65 3868646.80 9.29361c (13020424)
396251.76 3868646.80 7.05115b (13122724)
396226.88 3868646.80 4.56839b (13122724)
396202.00 3868646.80 4.74553b (13122724)
396177.12 3868646.80 5.45899b (13122724)
396152.24 3868646.80 5.34585b (13122724)
396127.36 3868646.80 5.32007b (13122724)
396102.48 3868646.80 6.62258b (13122724)
396077.60 3868646.80 8.10454b (13122724)
396052.72 3868646.80 8.97374b (13122724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396027.84 | 3868646.80 | 10.78179b | (13122724) | 396002.96 | 3868646.80 | 10.98586b | (13122724) |
| 395978.08 | 3868646.80 | 11.13883b | (13122724) | 395953.19 | 3868646.80 | 11.07982b | (13122724) |
| 395928.31 | 3868646.80 | 10.85231b | (13122724) | 395903.43 | 3868646.80 | 10.73196b | (13122724) |
| 395878.55 | 3868646.80 | 10.69281b | (13122724) | 395853.67 | 3868646.80 | 10.72454b | (13122724) |
| 395828.79 | 3868646.80 | 10.72078b | (13122724) | 396746.60 | 3868572.62 | 8.88496c | (13020424) |
| 396768.69 | 3868581.77 | 9.22977b | (13010324) | 396790.79 | 3868590.93 | 9.61617b | (13010324) |
| 396812.89 | 3868600.08 | 10.05735b | (13010324) | 396834.98 | 3868609.23 | 10.47910b | (13010324) |
| 396857.08 | 3868618.38 | 10.87977b | (13010324) | 396879.18 | 3868627.54 | 11.25641b | (13010324) |
| 396901.27 | 3868636.69 | 11.60540b | (13010324) | 396923.37 | 3868645.84 | 11.92319b | (13010324) |
| 396945.47 | 3868654.99 | 12.20165b | (13010324) | 396967.56 | 3868664.15 | 12.42804b | (13010324) |
| 396989.66 | 3868673.30 | 12.58323b | (13010324) | 397011.76 | 3868682.45 | 12.64463b | (13010324) |
| 397033.85 | 3868691.60 | 12.59603b | (13010324) | 397055.95 | 3868700.76 | 12.42986b | (13010324) |
| 397087.20 | 3868732.00 | 11.89226b | (13010324) | 397096.35 | 3868754.10 | 11.55357b | (13010324) |
| 397105.51 | 3868776.20 | 11.25173b | (13010324) | 397114.66 | 3868798.29 | 11.00012b | (12120724) |
| 397123.81 | 3868820.39 | 10.83692b | (12120724) | 397132.97 | 3868842.49 | 10.64876b | (12120724) |
| 397142.12 | 3868864.58 | 10.40804b | (12120724) | 397151.27 | 3868886.68 | 10.11532b | (12120724) |

397160.43 3868908.77 9.76410b (12120724)
397169.58 3868930.87 9.46826b (12120724)
397178.73 3868952.97 9.13205b (12120724)
397187.89 3868975.06 8.76122b (12120724)
397197.04 3868997.16 8.37408b (12120724)
397206.19 3869019.26 8.25322b (13011424)
397215.35 3869041.35 8.21678b (13011424)
396724.50 3868563.47 8.85461c (13020424)
396699.62 3868563.47 8.84509c (13020424)
396674.74 3868563.47 8.83327c (13020424)
396649.86 3868563.47 8.87556c (13020424)
396624.98 3868563.47 8.92410c (13020424)
396600.10 3868563.47 8.93953c (13020424)
396575.21 3868563.47 8.92610c (13020424)
396550.33 3868563.47 8.98867c (13020424)
396525.45 3868563.47 9.01519c (13020424)
396500.57 3868563.47 8.96332c (13020424)
396475.69 3868563.47 8.99291c (13020424)
396450.81 3868563.47 9.03464c (13020424)
396425.93 3868563.47 8.90248c (13020424)
396401.05 3868563.47 8.84945c (13020424)
396376.17 3868563.47 8.73010c (13020424)
396351.29 3868563.47 8.60856c (13020424)
396326.41 3868563.47 8.42656c (13020424)
396301.53 3868563.47 8.18228c (13020424)
396276.65 3868563.47 7.98134c (13020424)
396251.76 3868563.47 8.30750b (13122724)
396226.88 3868563.47 8.69044b (13122724)
396202.00 3868563.47 9.01663b (13122724)
396177.12 3868563.47 9.26515b (13122724)
396152.24 3868563.47 9.53300b (13122724)
396127.36 3868563.47 9.78476b (13122724)
396102.48 3868563.47 9.80809b (13122724)
396077.60 3868563.47 9.93440b (13122724)
396052.72 3868563.47 10.05492b (13122724)
396027.84 3868563.47 10.18370b (13122724)
396002.96 3868563.47 10.26817b (13122724)
395978.08 3868563.47 10.15138b (13122724)
395953.19 3868563.47 10.08067b (13122724)
395928.31 3868563.47 10.10094b (13122724)
395903.43 3868563.47 10.14876b (13122724)
395878.55 3868563.47 10.17000b (13122724)
395853.67 3868563.47 10.18376b (13122724)
395828.79 3868563.47 10.18877b (13122724)
396746.60 3868322.62 7.90987c (13020424)
396768.69 3868331.77 7.96701c (13020424)
396790.79 3868340.93 8.01410c (13020424)
396812.89 3868350.08 8.00477c (13020424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396834.98 | 3868359.23 | 8.00253c | (13020424) | 396857.08 | 3868368.38 | 7.97035c | (13020424) |
| 396879.18 | 3868377.54 | 7.94384c | (13020424) | 396901.27 | 3868386.69 | 7.87498c | (13020424) |
| 396923.37 | 3868395.84 | 8.26674b | (13010324) | 396945.47 | 3868404.99 | 8.68318b | (13010324) |
| 396967.56 | 3868414.15 | 9.08400b | (13010324) | 396989.66 | 3868423.30 | 9.46760b | (13010324) |
| 397011.76 | 3868432.45 | 9.83180b | (13010324) | 397033.85 | 3868441.60 | 10.16598b | (13010324) |
| 397055.95 | 3868450.76 | 10.47221b | (13010324) | 397078.05 | 3868459.91 | 10.76638b | (13010324) |
| 397100.14 | 3868469.06 | 10.98336b | (13010324) | 397122.24 | 3868478.21 | 11.15535b | (13010324) |
| 397144.34 | 3868487.37 | 11.23147b | (13010324) | 397166.43 | 3868496.52 | 11.27138b | (13010324) |
| 397188.53 | 3868505.67 | 11.22087b | (13010324) | 397210.63 | 3868514.82 | 11.17975b | (13010324) |
| 397232.72 | 3868523.98 | 10.95935b | (13010324) | 397263.97 | 3868555.22 | 10.44804b | (13010324) |
| 397273.13 | 3868577.32 | 10.14372b | (13010324) | 397282.28 | 3868599.42 | 9.79723b | (13010324) |
| 397291.43 | 3868621.51 | 9.66215b | (12120724) | 397300.59 | 3868643.61 | 9.62584b | (12120724) |
| 397309.74 | 3868665.71 | 9.53602b | (12120724) | 397318.89 | 3868687.80 | 9.38275b | (12120724) |
| 397328.05 | 3868709.90 | 9.18567b | (12120724) | 397337.20 | 3868731.99 | 8.95255b | (12120724) |
| 397346.35 | 3868754.09 | 8.71079b | (12120724) | 397355.51 | 3868776.19 | 8.42193b | (12120724) |
| 397364.66 | 3868798.28 | 8.12226b | (12120724) | 397373.81 | 3868820.38 | 7.81936b | (12120724) |

397382.97 3868842.47 7.50245b (12120724)
397392.12 3868864.57 7.14546b (12120724)
397401.27 3868886.67 7.16787b (13011424)
397410.43 3868908.76 7.19937b (13011424)
397419.58 3868930.86 7.18695b (13011424)
397428.73 3868952.96 7.16547b (13011424)
397437.89 3868975.05 7.12677b (13011424)
397447.04 3868997.15 7.07405b (13011424)
397456.19 3869019.24 7.00858b (13011424)
397465.35 3869041.34 6.93083b (13011424)
396724.50 3868313.47 7.88943c (13020424)
396699.62 3868313.47 7.86108c (13020424)
396674.74 3868313.47 7.82502c (13020424)
396649.86 3868313.47 7.77921c (13020424)
396624.98 3868313.47 7.72124c (13020424)
396600.10 3868313.47 7.64835c (13020424)
396575.21 3868313.47 7.57374c (13020424)
396550.33 3868313.47 7.57307c (13020424)
396525.45 3868313.47 7.43779c (13020424)
396500.57 3868313.47 7.29462c (13020424)
396475.69 3868313.47 7.16182c (13020424)
396450.81 3868313.47 6.99281c (13020424)
396425.93 3868313.47 6.71709c (13020424)
396401.05 3868313.47 6.40390c (13020424)
396376.17 3868313.47 6.08597c (13020424)
396351.29 3868313.47 5.77603c (13020424)
396326.41 3868313.47 5.39280c (13020424)
396301.53 3868313.47 4.92727c (13020424)
396276.65 3868313.47 4.52026b (13021424)
396251.76 3868313.47 4.83822b (13122724)
396226.88 3868313.47 5.26241b (13122724)
396202.00 3868313.47 5.66001b (13122724)
396177.12 3868313.47 5.97044b (13122724)
396152.24 3868313.47 6.21824b (13122724)
396127.36 3868313.47 6.51598b (13122724)
396102.48 3868313.47 6.78265b (13122724)
396077.60 3868313.47 7.10316b (13122724)
396052.72 3868313.47 7.36991b (13122724)
396027.84 3868313.47 7.57254b (13122724)
396002.96 3868313.47 7.76728b (13122724)
395978.08 3868313.47 8.03692b (13122724)
395953.19 3868313.47 8.15049b (13122724)
395928.31 3868313.47 8.36862b (13122724)
395903.43 3868313.47 8.49728b (13122724)
395878.55 3868313.47 8.56146b (13122724)
395853.67 3868313.47 8.61295b (13122724)
395828.79 3868313.47 8.65269b (13122724)
396747.31 3868072.92 7.04126c (13020424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396770.12 | 3868082.37 | 7.05924c | (13020424) | 396792.93 | 3868091.81 | 7.09608c | (13020424) |
| 396815.74 | 3868101.26 | 7.14684c | (13020424) | 396838.55 | 3868110.71 | 7.18895c | (13020424) |
| 396861.36 | 3868120.16 | 7.22254c | (13020424) | 396884.17 | 3868129.60 | 7.24512c | (13020424) |
| 396906.98 | 3868139.05 | 7.25319c | (13020424) | 396929.78 | 3868148.50 | 7.24063c | (13020424) |
| 396952.59 | 3868157.95 | 7.19962c | (13020424) | 396975.40 | 3868167.39 | 7.12082c | (13020424) |
| 396998.21 | 3868176.84 | 6.99534c | (13020424) | 397021.02 | 3868186.29 | 6.81486c | (13020424) |
| 397043.83 | 3868195.74 | 6.89246b | (13010324) | 397066.64 | 3868205.18 | 7.30186b | (13010324) |
| 397089.45 | 3868214.63 | 7.70015b | (13010324) | 397112.26 | 3868224.08 | 8.08478b | (13010324) |
| 397135.07 | 3868233.53 | 8.45246b | (13010324) | 397157.88 | 3868242.98 | 8.80143b | (13010324) |
| 397180.69 | 3868252.42 | 9.12646b | (13010324) | 397203.50 | 3868261.87 | 9.40853b | (13010324) |
| 397226.31 | 3868271.32 | 9.66668b | (13010324) | 397249.12 | 3868280.77 | 9.88156b | (13010324) |
| 397271.93 | 3868290.21 | 10.05175b | (13010324) | 397294.73 | 3868299.66 | 10.16851b | (13010324) |
| 397317.54 | 3868309.11 | 10.22120b | (13010324) | 397340.35 | 3868318.56 | 10.20001b | (13010324) |
| 397363.16 | 3868328.00 | 10.10955b | (13010324) | 397385.97 | 3868337.45 | 9.94079b | (13010324) |
| 397408.78 | 3868346.90 | 9.71861b | (13010324) | 397441.04 | 3868379.16 | 9.17801b | (13010324) |
| 397450.49 | 3868401.97 | 8.88246b | (13010324) | 397459.94 | 3868424.77 | 8.55791b | (13010324) |

397469.39 3868447.58 8.59549b (12120724)
397478.83 3868470.39 8.61583b (12120724)
397488.28 3868493.20 8.57505b (12120724)
397497.73 3868516.01 8.48212b (12120724)
397507.18 3868538.82 8.34655b (12120724)
397516.63 3868561.63 8.15656b (12120724)
397526.08 3868584.44 7.92569b (12120724)
397535.53 3868607.25 7.66830b (12120724)
397544.98 3868630.06 7.40680b (12120724)
397554.42 3868652.86 7.12261b (12120724)
397563.87 3868675.67 6.82366b (12120724)
397573.32 3868698.48 6.51237b (12120724)
397582.77 3868721.29 6.19437b (12120724)
397592.22 3868744.10 6.03574b (13011424)
397601.67 3868766.91 6.16573b (13011424)
397611.12 3868789.72 6.27609b (13011424)
397620.56 3868812.53 6.33434b (13011424)
397630.01 3868835.34 6.37129b (13011424)
397639.46 3868858.14 6.38221b (13011424)
397648.91 3868880.95 6.36496b (13011424)
397658.36 3868903.76 6.35105b (13011424)
397667.81 3868926.57 6.29160b (13011424)
397677.26 3868949.38 6.23618b (13011424)
397686.71 3868972.19 6.16669b (13011424)
397696.15 3868995.00 6.06290b (13011424)
397705.60 3869017.81 5.96697b (13011424)
397715.05 3869040.62 5.84049b (13011424)
396724.50 3868063.47 6.97202c (13020424)
396699.62 3868063.47 6.89811c (13020424)
396674.74 3868063.47 6.80775c (13020424)
396649.86 3868063.47 6.76901c (13020424)
396624.98 3868063.47 6.67834c (13020424)
396600.10 3868063.47 6.52079c (13020424)
396575.21 3868063.47 6.33633c (13020424)
396550.33 3868063.47 6.12374c (13020424)
396525.45 3868063.47 5.97771c (13020424)
396500.57 3868063.47 5.72644c (13020424)
396475.69 3868063.47 5.41817c (13020424)
396450.81 3868063.47 5.08036c (13020424)
396425.93 3868063.47 4.72825c (13020424)
396401.05 3868063.47 4.42877c (13020424)
396376.17 3868063.47 4.04239b (13021424)
396351.29 3868063.47 4.04013b (13021424)
396326.41 3868063.47 4.03629b (13021424)
396301.53 3868063.47 4.02975b (13021424)
396276.65 3868063.47 4.01902b (13021424)
396251.76 3868063.47 4.00194b (13021424)
396226.88 3868063.47 3.97538b (13021424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396202.00 | 3868063.47 | 3.93541b | (13021424) | 396177.12 | 3868063.47 | 3.89269b | (13122724) |
| 396152.24 | 3868063.47 | 4.25833b | (13122724) | 396127.36 | 3868063.47 | 4.60847b | (13122724) |
| 396102.48 | 3868063.47 | 4.94034b | (13122724) | 396077.60 | 3868063.47 | 5.32766b | (13122724) |
| 396052.72 | 3868063.47 | 5.64822b | (13122724) | 396027.84 | 3868063.47 | 5.91620b | (13122724) |
| 396002.96 | 3868063.47 | 6.18448b | (13122724) | 395978.08 | 3868063.47 | 6.49513b | (13122724) |
| 395953.19 | 3868063.47 | 6.69174b | (13122724) | 395928.31 | 3868063.47 | 6.86475b | (13122724) |
| 395903.43 | 3868063.47 | 7.01554b | (13122724) | 395878.55 | 3868063.47 | 7.19067b | (13122724) |
| 395853.67 | 3868063.47 | 7.38026b | (13122724) | 395828.79 | 3868063.47 | 7.47552b | (13122724) |
| 396747.00 | 3867672.79 | 5.74029c | (13020424) | 396769.50 | 3867682.11 | 5.91336c | (13020424) |
| 396792.00 | 3867691.43 | 6.06938c | (13020424) | 396814.49 | 3867700.75 | 6.20410c | (13020424) |
| 396836.99 | 3867710.06 | 6.31990c | (13020424) | 396859.49 | 3867719.38 | 6.41813c | (13020424) |
| 396881.99 | 3867728.70 | 6.50055c | (13020424) | 396904.49 | 3867738.02 | 6.55876c | (13020424) |
| 396926.99 | 3867747.34 | 6.52491c | (13020424) | 396949.48 | 3867756.66 | 6.53655c | (13020424) |
| 396971.98 | 3867765.98 | 6.55369c | (13020424) | 396994.48 | 3867775.30 | 6.48469c | (13020424) |
| 397016.98 | 3867784.61 | 6.47323c | (13020424) | 397039.48 | 3867793.93 | 6.45358c | (13020424) |
| 397061.98 | 3867803.25 | 6.41151c | (13020424) | 397084.47 | 3867812.57 | 6.34224c | (13020424) |

397106.97 3867821.89 6.24151c (13020424)
397129.47 3867831.21 6.08953c (13020424)
397151.97 3867840.53 5.89518c (13020424)
397174.47 3867849.85 5.70817c (13020424)
397196.97 3867859.17 5.40185c (13020424)
397219.46 3867868.48 5.11870c (13020424)
397241.96 3867877.80 5.20954b (13010324)
397264.46 3867887.12 5.57928b (13010324)
397286.96 3867896.44 5.94393b (13010324)
397309.46 3867905.76 6.30075b (13010324)
397331.96 3867915.08 6.64724b (13010324)
397354.45 3867924.40 6.98161b (13010324)
397376.95 3867933.72 7.30137b (13010324)
397399.45 3867943.03 7.60314b (13010324)
397421.95 3867952.35 7.88425b (13010324)
397444.45 3867961.67 8.13977b (13010324)
397466.95 3867970.99 8.36634b (13010324)
397489.44 3867980.31 8.55936b (13010324)
397511.94 3867989.63 8.71420b (13010324)
397534.44 3867998.95 8.82623b (13010324)
397556.94 3868008.27 8.89230b (13010324)
397579.44 3868017.59 8.90943b (13010324)
397601.94 3868026.90 8.87626b (13010324)
397624.43 3868036.22 8.79291b (13010324)
397646.93 3868045.54 8.64353b (13010324)
397669.43 3868054.86 8.45398b (13010324)
397691.93 3868064.18 8.23403b (13010324)
397723.75 3868096.00 7.74513b (13010324)
397733.07 3868118.49 7.48358b (13010324)
397742.39 3868140.99 7.27428b (12120724)
397751.71 3868163.49 7.38262b (12120724)
397761.03 3868185.99 7.44368b (12120724)
397770.35 3868208.49 7.46192b (12120724)
397779.67 3868230.98 7.43930b (12120724)
397788.99 3868253.48 7.38387b (12120724)
397798.31 3868275.98 7.29008b (12120724)
397807.63 3868298.48 7.16058b (12120724)
397816.95 3868320.98 6.99907b (12120724)
397826.27 3868343.47 6.80960b (12120724)
397835.59 3868365.97 6.59594b (12120724)
397844.91 3868388.47 6.36087b (12120724)
397854.22 3868410.97 6.10850b (12120724)
397863.54 3868433.47 5.84108b (12120724)
397872.86 3868455.96 5.56147b (12120724)
397882.18 3868478.46 5.27173b (12120724)
397891.50 3868500.96 4.97339b (12120724)
397900.82 3868523.46 4.67282b (12120724)
397910.14 3868545.96 4.73583b (13011424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397919.46 | 3868568.45 | 4.90929b | (13011424) | 397928.78 | 3868590.95 | 5.05611b | (13011424) |
| 397938.10 | 3868613.45 | 5.17320b | (13011424) | 397947.42 | 3868635.95 | 5.26496b | (13011424) |
| 397956.74 | 3868658.44 | 5.34986b | (13011424) | 397966.06 | 3868680.94 | 5.39504b | (13011424) |
| 397975.38 | 3868703.44 | 5.41727b | (13011424) | 397984.70 | 3868725.94 | 5.41599b | (13011424) |
| 397994.02 | 3868748.44 | 5.41494b | (13011424) | 398003.34 | 3868770.93 | 5.39641b | (13011424) |
| 398012.66 | 3868793.43 | 5.35587b | (13011424) | 398021.98 | 3868815.93 | 5.28368b | (13011424) |
| 398031.30 | 3868838.43 | 5.21681b | (13011424) | 398040.62 | 3868860.93 | 5.13487b | (13011424) |
| 398049.94 | 3868883.42 | 5.03731b | (13011424) | 398059.26 | 3868905.92 | 4.92428b | (13011424) |
| 398068.58 | 3868928.42 | 4.79553b | (13011424) | 398077.90 | 3868950.92 | 4.65039b | (13011424) |
| 398087.22 | 3868973.42 | 4.49588b | (13011424) | 398096.54 | 3868995.91 | 4.33569b | (13011424) |
| 398105.86 | 3869018.41 | 4.14451b | (13011424) | 398115.18 | 3869040.91 | 3.92879b | (13011424) |
| 396724.50 | 3867663.47 | 5.59494c | (13020424) | 396699.62 | 3867663.47 | 5.45582c | (13020424) |
| 396674.74 | 3867663.47 | 5.22782c | (13020424) | 396649.86 | 3867663.47 | 4.97686c | (13020424) |
| 396624.98 | 3867663.47 | 4.70378c | (13020424) | 396600.10 | 3867663.47 | 4.41035c | (13020424) |
| 396575.21 | 3867663.47 | 4.09889c | (13020424) | 396550.33 | 3867663.47 | 3.77272c | (13020424) |
| 396525.45 | 3867663.47 | 3.51450b | (13021424) | 396500.57 | 3867663.47 | 3.51546b | (13021424) |

396475.69 3867663.47 3.52729b (13021424)
396450.81 3867663.47 3.55214b (13021424)
396425.93 3867663.47 3.57840b (13021424)
396401.05 3867663.47 3.57402b (13021424)
396376.17 3867663.47 3.56686b (13021424)
396351.29 3867663.47 3.55602b (13021424)
396326.41 3867663.47 3.53980b (13021424)
396301.53 3867663.47 3.53320b (13021424)
396276.65 3867663.47 3.54712b (13021424)
396251.76 3867663.47 3.49908b (13021424)
396226.88 3867663.47 3.43372b (13021424)
396202.00 3867663.47 3.34713b (13021424)
396177.12 3867663.47 3.23551b (13021424)
396152.24 3867663.47 3.15093b (13121124)
396127.36 3867663.47 3.14706b (13121124)
396102.48 3867663.47 3.14753b (13121124)
396077.60 3867663.47 3.14595b (13121124)
396052.72 3867663.47 3.12704b (13121124)
396027.84 3867663.47 3.42091b (13122724)
396002.96 3867663.47 3.71929b (13122724)
395978.08 3867663.47 4.02414b (13122724)
395953.19 3867663.47 4.32912b (13122724)
395928.31 3867663.47 4.59824b (13122724)
395903.43 3867663.47 4.84830b (13122724)
395878.55 3867663.47 5.08203b (13122724)
395853.67 3867663.47 5.29809b (13122724)
395828.79 3867663.47 5.49618b (13122724)
396747.23 3867272.88 4.03177c (13020424)
396769.96 3867282.30 4.31860c (13020424)
396792.68 3867291.71 4.55845c (13020424)
396815.41 3867301.13 4.73854c (13020424)
396838.14 3867310.54 4.96188c (13020424)
396860.87 3867319.95 5.17244c (13020424)
396883.60 3867329.37 5.36248c (13020424)
396906.32 3867338.78 5.53269c (13020424)
396929.05 3867348.20 5.68306c (13020424)
396951.78 3867357.61 5.79191c (13020424)
396974.51 3867367.02 5.82590c (13020424)
396997.24 3867376.44 5.89085c (13020424)
397019.96 3867385.85 5.96872c (13020424)
397042.69 3867395.26 6.03078c (13020424)
397065.42 3867404.68 6.07767c (13020424)
397088.15 3867414.09 6.10865c (13020424)
397110.87 3867423.51 6.12303c (13020424)
397133.60 3867432.92 6.00756c (13020424)
397156.33 3867442.33 5.86669c (13020424)
397179.06 3867451.75 5.82314c (13020424)
397201.79 3867461.16 5.67196c (13020424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397224.51 | 3867470.58 | 5.58097c | (13020424) | 397247.24 | 3867479.99 | 5.46266c | (13020424) |
| 397269.97 | 3867489.40 | 5.31582c | (13020424) | 397292.70 | 3867498.82 | 5.13965c | (13020424) |
| 397315.43 | 3867508.23 | 4.93504c | (13020424) | 397338.15 | 3867517.65 | 4.70335c | (13020424) |
| 397360.88 | 3867527.06 | 4.44731c | (13020424) | 397383.61 | 3867536.47 | 4.17159c | (13020424) |
| 397406.34 | 3867545.89 | 3.87904c | (13020424) | 397429.07 | 3867555.30 | 3.78136b | (13010324) |
| 397451.79 | 3867564.72 | 4.11500b | (13010324) | 397474.52 | 3867574.13 | 4.45005b | (13010324) |
| 397497.25 | 3867583.54 | 4.78421b | (13010324) | 397519.98 | 3867592.96 | 5.11570b | (13010324) |
| 397542.71 | 3867602.37 | 5.44140b | (13010324) | 397565.43 | 3867611.78 | 5.75936b | (13010324) |
| 397588.16 | 3867621.20 | 6.06765b | (13010324) | 397610.89 | 3867630.61 | 6.36280b | (13010324) |
| 397633.62 | 3867640.03 | 6.64256b | (13010324) | 397656.34 | 3867649.44 | 6.90386b | (13010324) |
| 397679.07 | 3867658.85 | 7.14351b | (13010324) | 397701.80 | 3867668.27 | 7.35868b | (13010324) |
| 397724.53 | 3867677.68 | 7.54556b | (13010324) | 397747.26 | 3867687.10 | 7.70064b | (13010324) |
| 397769.98 | 3867696.51 | 7.79924b | (13010324) | 397792.71 | 3867705.92 | 7.87247b | (13010324) |
| 397815.44 | 3867715.34 | 7.91555b | (13010324) | 397838.17 | 3867724.75 | 7.90298b | (13010324) |
| 397860.90 | 3867734.17 | 7.85611b | (13010324) | 397883.62 | 3867743.58 | 7.77966b | (13010324) |
| 397906.35 | 3867752.99 | 7.65810b | (13010324) | 397929.08 | 3867762.41 | 7.48449b | (13010324) |

397951.81 3867771.82 7.29359b (13010324)
397974.54 3867781.24 7.06734b (13010324)
398006.68 3867813.38 6.59082b (13010324)
398016.09 3867836.10 6.34669b (13010324)
398025.51 3867858.83 6.27240b (12120724)
398034.92 3867881.56 6.39968b (12120724)
398044.34 3867904.29 6.49540b (12120724)
398053.75 3867927.01 6.55899b (12120724)
398063.17 3867949.74 6.58894b (12120724)
398072.58 3867972.47 6.58500b (12120724)
398082.00 3867995.20 6.54761b (12120724)
398091.41 3868017.92 6.47836b (12120724)
398100.83 3868040.65 6.37835b (12120724)
398110.24 3868063.38 6.25024b (12120724)
398119.66 3868086.11 6.09560b (12120724)
398129.07 3868108.83 5.91776b (12120724)
398138.49 3868131.56 5.71946b (12120724)
398147.90 3868154.29 5.50322b (12120724)
398157.32 3868177.02 5.27174b (12120724)
398166.73 3868199.74 5.02758b (12120724)
398176.15 3868222.47 4.77242b (12120724)
398185.56 3868245.20 4.50919b (12120724)
398194.98 3868267.93 4.23953b (12120724)
398204.39 3868290.65 3.96533b (12120724)
398213.81 3868313.38 3.69238b (12120724)
398223.22 3868336.11 3.68142b (13011424)
398232.64 3868358.84 3.87036b (13011424)
398242.05 3868381.56 4.04437b (13011424)
398251.47 3868404.29 4.20118b (13011424)
398260.88 3868427.02 4.33917b (13011424)
398270.30 3868449.75 4.45750b (13011424)
398279.71 3868472.47 4.55600b (13011424)
398289.13 3868495.20 4.63972b (13011424)
398298.54 3868517.93 4.70469b (13011424)
398307.96 3868540.66 4.74637b (13011424)
398317.37 3868563.38 4.76595b (13011424)
398326.79 3868586.11 4.76529b (13011424)
398336.20 3868608.84 4.74690b (13011424)
398345.62 3868631.57 4.71154b (13011424)
398355.03 3868654.29 4.66028b (13011424)
398364.45 3868677.02 4.60131b (13011424)
398373.86 3868699.75 4.53200b (13011424)
398383.28 3868722.48 4.43543b (13011424)
398392.69 3868745.20 4.33828b (13011424)
398402.11 3868767.93 4.22176b (13011424)
398411.52 3868790.66 4.08484b (13011424)
398420.94 3868813.39 3.93150b (13011424)
398430.35 3868836.11 3.77504b (13011424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 398439.77 | 3868858.84 | 3.60886b | (13011424) | 398449.18 | 3868881.57 | 3.42932b | (13011424) |
| 398458.60 | 3868904.30 | 3.24144b | (13011424) | 398468.01 | 3868927.02 | 3.04666b | (13011424) |
| 398477.43 | 3868949.75 | 2.85386b | (13011424) | 398486.84 | 3868972.48 | 2.65344b | (13011424) |
| 398496.26 | 3868995.21 | 2.44677b | (13011424) | 398505.67 | 3869017.93 | 2.41154b | (12123124) |
| 398515.09 | 3869040.66 | 2.37624b | (12123124) | 396724.50 | 3867263.47 | 3.73321c | (13020424) |
| 396699.62 | 3867263.47 | 3.45031c | (13020424) | 396674.74 | 3867263.47 | 3.16080c | (13020424) |
| 396649.86 | 3867263.47 | 3.18222b | (13021424) | 396624.98 | 3867263.47 | 3.20103b | (13021424) |
| 396600.10 | 3867263.47 | 3.21304b | (13021424) | 396575.21 | 3867263.47 | 3.22019b | (13021424) |
| 396550.33 | 3867263.47 | 3.22395b | (13021424) | 396525.45 | 3867263.47 | 3.25449b | (13021424) |
| 396500.57 | 3867263.47 | 3.26814b | (13021424) | 396475.69 | 3867263.47 | 3.26921b | (13021424) |
| 396450.81 | 3867263.47 | 3.26251b | (13021424) | 396425.93 | 3867263.47 | 3.25649b | (13021424) |
| 396401.05 | 3867263.47 | 3.26996b | (13021424) | 396376.17 | 3867263.47 | 3.25945b | (13021424) |
| 396351.29 | 3867263.47 | 3.23275b | (13021424) | 396326.41 | 3867263.47 | 3.19325b | (13021424) |
| 396301.53 | 3867263.47 | 3.14131b | (13021424) | 396276.65 | 3867263.47 | 3.07429b | (13021424) |
| 396251.76 | 3867263.47 | 2.98996b | (13021424) | 396226.88 | 3867263.47 | 2.88591b | (13021424) |
| 396202.00 | 3867263.47 | 2.78850b | (13121124) | 396177.12 | 3867263.47 | 2.78997b | (13121124) |

396152.24 3867263.47 2.79194b (13121124)
396127.36 3867263.47 2.79840b (13121124)
396102.48 3867263.47 2.78597b (13121124)
396077.60 3867263.47 2.76725b (13121124)
396052.72 3867263.47 2.74098b (13121124)
396027.84 3867263.47 2.70585b (13121124)
396002.96 3867263.47 2.66304b (13121124)
395978.08 3867263.47 2.61422b (13121124)
395953.19 3867263.47 2.54360b (13121124)
395928.31 3867263.47 2.55976b (13122724)
395903.43 3867263.47 2.80362b (13122724)
395878.55 3867263.47 3.04588b (13122724)
395853.67 3867263.47 3.28591b (13122724)
395828.79 3867263.47 3.52150b (13122724)
396747.38 3866872.95 2.87007c (13122524)
396770.25 3866882.42 2.89760c (13122524)
396793.13 3866891.90 2.92957c (13122524)
396816.01 3866901.37 3.02931c (13020424)
396838.88 3866910.85 3.30668c (13020424)
396861.76 3866920.32 3.58058c (13020424)
396884.64 3866929.80 3.83612c (13020424)
396907.51 3866939.27 4.06437c (13020424)
396930.39 3866948.75 4.26349c (13020424)
396953.26 3866958.22 4.48331c (13020424)
396976.14 3866967.70 4.69423c (13020424)
396999.02 3866977.18 4.88887c (13020424)
397021.89 3866986.65 5.06579c (13020424)
397044.77 3866996.13 5.22561c (13020424)
397067.65 3867005.60 5.36764c (13020424)
397090.52 3867015.08 5.48747c (13020424)
397113.40 3867024.55 5.49531c (13020424)
397136.28 3867034.03 5.56660c (13020424)
397159.15 3867043.50 5.59911c (13020424)
397182.03 3867052.98 5.57205c (13020424)
397204.91 3867062.45 5.63561c (13020424)
397227.78 3867071.93 5.62059c (13020424)
397250.66 3867081.41 5.58789c (13020424)
397273.54 3867090.88 5.53165c (13020424)
397296.41 3867100.36 5.45942c (13020424)
397319.29 3867109.83 5.36176c (13020424)
397342.16 3867119.31 5.24176c (13020424)
397365.04 3867128.78 5.09210c (13020424)
397387.92 3867138.26 4.93380c (13020424)
397410.79 3867147.73 4.78202c (13020424)
397433.67 3867157.21 4.60155c (13020424)
397456.55 3867166.68 4.39193c (13020424)
397479.42 3867176.16 4.17761c (13020424)
397502.30 3867185.64 3.94555c (13020424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397525.18 | 3867195.11 | 3.69893c | (13020424) | 397548.05 | 3867204.59 | 3.44209c | (13020424) |
| 397570.93 | 3867214.06 | 3.17848c | (13020424) | 397593.81 | 3867223.54 | 2.93533b | (13021224) |
| 397616.68 | 3867233.01 | 2.89403b | (13021224) | 397639.56 | 3867242.49 | 2.98351b | (13010324) |
| 397662.44 | 3867251.96 | 3.27387b | (13010324) | 397685.31 | 3867261.44 | 3.56976b | (13010324) |
| 397708.19 | 3867270.91 | 3.86919b | (13010324) | 397731.06 | 3867280.39 | 4.16970b | (13010324) |
| 397753.94 | 3867289.87 | 4.46921b | (13010324) | 397776.82 | 3867299.34 | 4.76535b | (13010324) |
| 397799.69 | 3867308.82 | 5.05639b | (13010324) | 397822.57 | 3867318.29 | 5.33928b | (13010324) |
| 397845.45 | 3867327.77 | 5.61206b | (13010324) | 397868.32 | 3867337.24 | 5.87130b | (13010324) |
| 397891.20 | 3867346.72 | 6.09471b | (13010324) | 397914.08 | 3867356.19 | 6.31102b | (13010324) |
| 397936.95 | 3867365.67 | 6.51518b | (13010324) | 397959.83 | 3867375.14 | 6.69592b | (13010324) |
| 397982.71 | 3867384.62 | 6.85038b | (13010324) | 398005.58 | 3867394.10 | 6.97704b | (13010324) |
| 398028.46 | 3867403.57 | 7.07263b | (13010324) | 398051.34 | 3867413.05 | 7.12728b | (13010324) |
| 398074.21 | 3867422.52 | 7.13843b | (13010324) | 398097.09 | 3867432.00 | 7.13330b | (13010324) |
| 398119.96 | 3867441.47 | 7.09683b | (13010324) | 398142.84 | 3867450.95 | 7.02411b | (13010324) |
| 398165.72 | 3867460.42 | 6.90190b | (13010324) | 398188.59 | 3867469.90 | 6.76039b | (13010324) |
| 398211.47 | 3867479.37 | 6.59795b | (13010324) | 398234.35 | 3867488.85 | 6.40953b | (13010324) |

398257.22 3867498.32 6.19773b (13010324)
398289.58 3867530.68 5.75069b (13010324)
398299.05 3867553.55 5.52051b (13010324)
398308.53 3867576.43 5.54570b (12120724)
398318.01 3867599.30 5.67521b (12120724)
398327.48 3867622.18 5.77904b (12120724)
398336.96 3867645.06 5.85961b (12120724)
398346.44 3867667.93 5.91850b (12120724)
398355.91 3867690.81 5.94900b (12120724)
398365.39 3867713.68 5.95160b (12120724)
398374.86 3867736.56 5.92613b (12120724)
398384.34 3867759.44 5.87302b (12120724)
398393.82 3867782.31 5.79381b (12120724)
398403.29 3867805.19 5.68893b (12120724)
398412.77 3867828.07 5.56088b (12120724)
398422.25 3867850.94 5.41110b (12120724)
398431.72 3867873.82 5.24187b (12120724)
398441.20 3867896.69 5.05575b (12120724)
398450.68 3867919.57 4.85445b (12120724)
398460.15 3867942.45 4.64033b (12120724)
398469.63 3867965.32 4.41515b (12120724)
398479.11 3867988.20 4.18151b (12120724)
398488.58 3868011.07 3.94128b (12120724)
398498.06 3868033.95 3.69664b (12120724)
398507.54 3868056.83 3.44929b (12120724)
398517.01 3868079.70 3.20111b (12120724)
398526.49 3868102.58 2.95368b (12120724)
398535.96 3868125.45 2.84240b (13011424)
398545.44 3868148.33 3.02364b (13011424)
398554.92 3868171.21 3.19819b (13011424)
398564.39 3868194.08 3.36146b (13011424)
398573.87 3868216.96 3.51177b (13011424)
398583.35 3868239.83 3.64985b (13011424)
398592.82 3868262.71 3.77493b (13011424)
398602.30 3868285.59 3.88854b (13011424)
398611.78 3868308.46 3.98598b (13011424)
398621.25 3868331.34 4.06682b (13011424)
398630.73 3868354.21 4.13084b (13011424)
398640.21 3868377.09 4.17801b (13011424)
398649.68 3868399.97 4.20840b (13011424)
398659.16 3868422.84 4.22176b (13011424)
398668.64 3868445.72 4.21892b (13011424)
398678.11 3868468.59 4.20033b (13011424)
398687.59 3868491.47 4.16652b (13011424)
398697.06 3868514.35 4.11787b (13011424)
398706.54 3868537.22 4.04486b (13011424)
398716.02 3868560.10 3.96396b (13011424)
398725.49 3868582.97 3.87546b (13011424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 398734.97 | 3868605.85 | 3.77463b | (13011424) | 398744.45 | 3868628.73 | 3.66243b | (13011424) |
| 398753.92 | 3868651.60 | 3.53951b | (13011424) | 398763.40 | 3868674.48 | 3.40670b | (13011424) |
| 398772.88 | 3868697.35 | 3.26477b | (13011424) | 398782.35 | 3868720.23 | 3.11485b | (13011424) |
| 398791.83 | 3868743.11 | 2.95783b | (13011424) | 398801.31 | 3868765.98 | 2.79504b | (13011424) |
| 398810.78 | 3868788.86 | 2.62754b | (13011424) | 398820.26 | 3868811.74 | 2.45681b | (13011424) |
| 398829.74 | 3868834.61 | 2.28962b | (13011424) | 398839.21 | 3868857.49 | 2.20159b | (12123124) |
| 398848.69 | 3868880.36 | 2.18704b | (12123124) | 398858.16 | 3868903.24 | 2.16476b | (12123124) |
| 398867.64 | 3868926.12 | 2.14044b | (12123124) | 398877.12 | 3868948.99 | 2.10901b | (12123124) |
| 398886.59 | 3868971.87 | 2.06883b | (12123124) | 398896.07 | 3868994.74 | 2.02539b | (12123124) |
| 398905.55 | 3869017.62 | 1.97315b | (12123124) | 398915.02 | 3869040.50 | 1.91106b | (12123124) |
| 396724.50 | 3866863.47 | 2.89476b | (13021424) | 396699.62 | 3866863.47 | 2.93335b | (13021424) |
| 396674.74 | 3866863.47 | 2.96174b | (13021424) | 396649.86 | 3866863.47 | 2.98187b | (13021424) |
| 396624.98 | 3866863.47 | 2.99569b | (13021424) | 396600.10 | 3866863.47 | 3.00385b | (13021424) |
| 396575.21 | 3866863.47 | 3.00751b | (13021424) | 396550.33 | 3866863.47 | 3.00731b | (13021424) |
| 396525.45 | 3866863.47 | 3.00337b | (13021424) | 396500.57 | 3866863.47 | 2.99529b | (13021424) |
| 396475.69 | 3866863.47 | 2.98280b | (13021424) | 396450.81 | 3866863.47 | 2.96498b | (13021424) |

396425.93 3866863.47 2.94061b (13021424)
396401.05 3866863.47 2.90855b (13021424)
396376.17 3866863.47 2.86714b (13021424)
396351.29 3866863.47 2.81491b (13021424)
396326.41 3866863.47 2.75111b (13021424)
396301.53 3866863.47 2.68056b (13021424)
396276.65 3866863.47 2.60536b (13021424)
396251.76 3866863.47 2.49451b (13021424)
396226.88 3866863.47 2.48747b (13121124)
396202.00 3866863.47 2.49600b (13121124)
396177.12 3866863.47 2.49937b (13121124)
396152.24 3866863.47 2.49762b (13121124)
396127.36 3866863.47 2.49061b (13121124)
396102.48 3866863.47 2.47866b (13121124)
396077.60 3866863.47 2.46773b (13121124)
396052.72 3866863.47 2.44440b (13121124)
396027.84 3866863.47 2.41072b (13121124)
396002.96 3866863.47 2.36849b (13121124)
395978.08 3866863.47 2.31716b (13121124)
395953.19 3866863.47 2.25588b (13121124)
395928.31 3866863.47 2.18440b (13121124)
395903.43 3866863.47 2.10712b (13121124)
395878.55 3866863.47 2.01819b (13121124)
395853.67 3866863.47 1.91655b (13121124)
395828.79 3866863.47 1.93892b (13122724)
396747.48 3866472.99 2.69649b (13021424)
396770.46 3866482.51 2.65923b (13021424)
396793.44 3866492.03 2.61202c (13122524)
396816.42 3866501.54 2.66733c (13122524)
396839.40 3866511.06 2.71419c (13122524)
396862.38 3866520.58 2.75303c (13122524)
396885.36 3866530.10 2.78463c (13122524)
396908.34 3866539.62 2.80928c (13122524)
396931.32 3866549.14 2.82753c (13122524)
396954.30 3866558.66 3.05519c (13020424)
396977.29 3866568.17 3.30762c (13020424)
397000.27 3866577.69 3.54399c (13020424)
397023.25 3866587.21 3.80357c (13020424)
397046.23 3866596.73 4.04818c (13020424)
397069.21 3866606.25 4.25633c (13020424)
397092.19 3866615.77 4.44949c (13020424)
397115.17 3866625.28 4.62693c (13020424)
397138.15 3866634.80 4.81090c (13020424)
397161.13 3866644.32 4.98002c (13020424)
397184.11 3866653.84 5.05730c (13020424)
397207.09 3866663.36 5.20230c (13020424)
397230.07 3866672.88 5.30083c (13020424)
397253.05 3866682.40 5.37517c (13020424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397276.03 | 3866691.91 | 5.43924c | (13020424) | 397299.01 | 3866701.43 | 5.46959c | (13020424) |
| 397321.99 | 3866710.95 | 5.48073c | (13020424) | 397344.97 | 3866720.47 | 5.50946c | (13020424) |
| 397367.95 | 3866729.99 | 5.53008c | (13020424) | 397390.93 | 3866739.51 | 5.53177c | (13020424) |
| 397413.91 | 3866749.03 | 5.48671c | (13020424) | 397436.89 | 3866758.54 | 5.41391c | (13020424) |
| 397459.87 | 3866768.06 | 5.31860c | (13020424) | 397482.86 | 3866777.58 | 5.20498c | (13020424) |
| 397505.84 | 3866787.10 | 5.07753c | (13020424) | 397528.82 | 3866796.62 | 4.92736c | (13020424) |
| 397551.80 | 3866806.14 | 4.74501c | (13020424) | 397574.78 | 3866815.66 | 4.53776c | (13020424) |
| 397597.76 | 3866825.17 | 4.32965c | (13020424) | 397620.74 | 3866834.69 | 4.10654c | (13020424) |
| 397643.72 | 3866844.21 | 3.85824c | (13020424) | 397666.70 | 3866853.73 | 3.59909c | (13020424) |
| 397689.68 | 3866863.25 | 3.34541c | (13020424) | 397712.66 | 3866872.77 | 3.07379c | (13020424) |
| 397735.64 | 3866882.28 | 2.84775b | (13021224) | 397758.62 | 3866891.80 | 2.82120b | (13021224) |
| 397781.60 | 3866901.32 | 2.78054b | (13021224) | 397804.58 | 3866910.84 | 2.72392b | (13021224) |
| 397827.56 | 3866920.36 | 2.66082b | (13021224) | 397850.54 | 3866929.88 | 2.58357b | (12122824) |
| 397873.52 | 3866939.40 | 2.79624b | (12122824) | 397896.50 | 3866948.91 | 3.03382b | (13010324) |
| 397919.48 | 3866958.43 | 3.30368b | (13010324) | 397942.46 | 3866967.95 | 3.57704b | (13010324) |
| 397965.44 | 3866977.47 | 3.84848b | (13010324) | 397988.43 | 3866986.99 | 4.10419b | (13010324) |

398011.41 3866996.51 4.37376b (13010324)
398034.39 3867006.03 4.62596b (13010324)
398057.37 3867015.54 4.86997b (13010324)
398080.35 3867025.06 5.11713b (13010324)
398103.33 3867034.58 5.33137b (13010324)
398126.31 3867044.10 5.54857b (13010324)
398149.29 3867053.62 5.74435b (13010324)
398172.27 3867063.14 5.90834b (13010324)
398195.25 3867072.66 6.05145b (13010324)
398218.23 3867082.17 6.19839b (13010324)
398241.21 3867091.69 6.32873b (13010324)
398264.19 3867101.21 6.43355b (13010324)
398287.17 3867110.73 6.51177b (13010324)
398310.15 3867120.25 6.56191b (13010324)
398333.13 3867129.77 6.59828b (13010324)
398356.11 3867139.28 6.60322b (13010324)
398379.09 3867148.80 6.55589b (13010324)
398402.07 3867158.32 6.47890b (13010324)
398425.05 3867167.84 6.37754b (13010324)
398448.03 3867177.36 6.25734b (13010324)
398471.01 3867186.88 6.11190b (13010324)
398494.00 3867196.40 5.94332b (13010324)
398516.98 3867205.91 5.75392b (13010324)
398539.96 3867215.43 5.54635b (13010324)
398572.46 3867247.93 5.09723b (13010324)
398581.98 3867270.91 4.87281b (13010324)
398591.50 3867293.89 4.97387b (12120724)
398601.01 3867316.87 5.11474b (12120724)
398610.53 3867339.85 5.23636b (12120724)
398620.05 3867362.83 5.33690b (12120724)
398629.57 3867385.81 5.40941b (12120724)
398639.09 3867408.79 5.46028b (12120724)
398648.61 3867431.77 5.47843b (12120724)
398658.13 3867454.75 5.48555b (12120724)
398667.65 3867477.73 5.46552b (12120724)
398677.17 3867500.71 5.42394b (12120724)
398686.69 3867523.69 5.35902b (12120724)
398696.21 3867546.67 5.27199b (12120724)
398705.73 3867569.65 5.16370b (12120724)
398715.25 3867592.63 5.03578b (12120724)
398724.77 3867615.61 4.88986b (12120724)
398734.29 3867638.59 4.72739b (12120724)
398743.81 3867661.57 4.55042b (12120724)
398753.33 3867684.55 4.36085b (12120724)
398762.85 3867707.53 4.15933b (12120724)
398772.37 3867730.51 3.93771b (12120724)
398781.89 3867753.49 3.72129b (12120724)
398791.41 3867776.47 3.49912b (12120724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 398800.93 | 3867799.45 | 3.27672b | (12120724) | 398810.44 | 3867822.43 | 3.05298b | (12120724) |
| 398819.96 | 3867845.41 | 2.82948b | (12120724) | 398829.48 | 3867868.39 | 2.60312b | (12120724) |
| 398839.00 | 3867891.37 | 2.39717 | (12122524) | 398848.52 | 3867914.35 | 2.37093 | (12122524) |
| 398858.04 | 3867937.33 | 2.35603b | (13011424) | 398867.56 | 3867960.31 | 2.51600b | (13011424) |
| 398877.08 | 3867983.29 | 2.67293b | (13011424) | 398886.60 | 3868006.27 | 2.82523b | (13011424) |
| 398896.12 | 3868029.25 | 2.97129b | (13011424) | 398905.64 | 3868052.23 | 3.10951b | (13011424) |
| 398915.16 | 3868075.21 | 3.23511b | (13011424) | 398924.68 | 3868098.19 | 3.34487b | (13011424) |
| 398934.20 | 3868121.17 | 3.45120b | (13011424) | 398943.72 | 3868144.15 | 3.54512b | (13011424) |
| 398953.24 | 3868167.13 | 3.62562b | (13011424) | 398962.76 | 3868190.11 | 3.69233b | (13011424) |
| 398972.28 | 3868213.09 | 3.74469b | (13011424) | 398981.80 | 3868236.07 | 3.78257b | (13011424) |
| 398991.32 | 3868259.05 | 3.80010b | (13011424) | 399000.84 | 3868282.03 | 3.80128b | (13011424) |
| 399010.36 | 3868305.01 | 3.79559b | (13011424) | 399019.87 | 3868327.99 | 3.77587b | (13011424) |
| 399029.39 | 3868350.97 | 3.74250b | (13011424) | 399038.91 | 3868373.95 | 3.69229b | (13011424) |
| 399048.43 | 3868396.93 | 3.62394b | (13011424) | 399057.95 | 3868419.91 | 3.55313b | (13011424) |
| 399067.47 | 3868442.89 | 3.47090b | (13011424) | 399076.99 | 3868465.87 | 3.37810b | (13011424) |
| 399086.51 | 3868488.85 | 3.27528b | (13011424) | 399096.03 | 3868511.83 | 3.16337b | (13011424) |

399105.55 3868534.81 3.04312b (13011424)
399115.07 3868557.79 2.91549b (13011424)
399124.59 3868580.77 2.78136b (13011424)
399134.11 3868603.75 2.64189b (13011424)
399143.63 3868626.73 2.49803b (13011424)
399153.15 3868649.71 2.35095b (13011424)
399162.67 3868672.69 2.20176b (13011424)
399172.19 3868695.67 2.05165b (13011424)
399181.71 3868718.65 2.00947b (12123124)
399191.23 3868741.63 2.00701b (12123124)
399200.75 3868764.61 1.99792b (12123124)
399210.27 3868787.59 1.98057b (12123124)
399219.79 3868810.57 1.96123b (12123124)
399229.30 3868833.55 1.93201b (12123124)
399238.82 3868856.53 1.89816b (12123124)
399248.34 3868879.51 1.85687b (12123124)
399257.86 3868902.49 1.80987b (12123124)
399267.38 3868925.47 1.75744b (12123124)
399276.90 3868948.45 1.70146b (12123124)
399286.42 3868971.43 1.63952b (12123124)
399295.94 3868994.41 1.60720b (13121824)
399305.46 3869017.39 1.58806b (13121824)
399314.98 3869040.37 1.56399b (13121824)
396724.50 3866463.47 2.72482b (13021424)
396699.62 3866463.47 2.75219b (13021424)
396674.74 3866463.47 2.77192b (13021424)
396649.86 3866463.47 2.78510b (13021424)
396624.98 3866463.47 2.79240b (13021424)
396600.10 3866463.47 2.79438b (13021424)
396575.21 3866463.47 2.79124b (13021424)
396550.33 3866463.47 2.78310b (13021424)
396525.45 3866463.47 2.76974b (13021424)
396500.57 3866463.47 2.75046b (13021424)
396475.69 3866463.47 2.72437b (13021424)
396450.81 3866463.47 2.69106b (13021424)
396425.93 3866463.47 2.64910b (13021424)
396401.05 3866463.47 2.59734b (13021424)
396376.17 3866463.47 2.53534b (13021424)
396351.29 3866463.47 2.46177b (13021424)
396326.41 3866463.47 2.37620b (13021424)
396301.53 3866463.47 2.27837b (13021424)
396276.65 3866463.47 2.19594b (13121124)
396251.76 3866463.47 2.21996b (13121124)
396226.88 3866463.47 2.23781b (13121124)
396202.00 3866463.47 2.24976b (13121124)
396177.12 3866463.47 2.25596b (13121124)
396152.24 3866463.47 2.25736b (13121124)
396127.36 3866463.47 2.25496b (13121124)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396102.48 | 3866463.47 | 2.24761b | (13121124) | 396077.60 | 3866463.47 | 2.23073b | (13121124) |
| 396052.72 | 3866463.47 | 2.20707b | (13121124) | 396027.84 | 3866463.47 | 2.17652b | (13121124) |
| 396002.96 | 3866463.47 | 2.13874b | (13121124) | 395978.08 | 3866463.47 | 2.09353b | (13121124) |
| 395953.19 | 3866463.47 | 2.04246b | (13121124) | 395928.31 | 3866463.47 | 1.98392b | (13121124) |
| 395903.43 | 3866463.47 | 1.91547b | (13121124) | 395878.55 | 3866463.47 | 1.83852b | (13121124) |
| 395853.67 | 3866463.47 | 1.75465b | (13121124) | 395828.79 | 3866463.47 | 1.66409b | (13121124) |
| 395803.79 | 3869063.41 | 15.04509b | (13121724) | 395803.73 | 3869088.30 | 15.66593b | (13121724) |
| 395803.66 | 3869113.19 | 15.99884b | (13121724) | 395803.60 | 3869138.08 | 16.18960b | (13121724) |
| 395803.54 | 3869162.97 | 16.30562b | (13121724) | 395803.48 | 3869187.86 | 16.35477b | (13121724) |
| 395803.41 | 3869212.75 | 16.38762b | (13121724) | 395803.35 | 3869237.64 | 16.38949b | (13121724) |
| 395803.29 | 3869262.53 | 16.38439b | (13121724) | 395803.23 | 3869287.42 | 16.33069b | (13121724) |
| 395803.16 | 3869312.31 | 16.24991b | (13121724) | 395803.10 | 3869337.20 | 16.14195b | (13121724) |
| 395803.04 | 3869362.09 | 16.00576b | (13121724) | 395802.97 | 3869386.98 | 15.84010b | (13121724) |
| 395802.91 | 3869411.87 | 15.64406b | (13121724) | 395802.85 | 3869436.76 | 15.41612b | (13121724) |
| 395802.79 | 3869461.65 | 15.15513b | (13121724) | 395802.72 | 3869486.54 | 14.85938b | (13121724) |
| 395802.66 | 3869511.43 | 14.52757b | (13121724) | 395802.60 | 3869536.32 | 14.16022b | (13121724) |

395802.53 3869561.21 13.75484b (13121724)
395802.47 3869586.10 13.31265b (13121724)
395802.41 3869610.99 12.84662b (13121724)
395802.35 3869635.88 12.35762b (13121724)
395802.28 3869660.77 11.80446b (13121724)
395802.22 3869685.66 11.21799b (13121724)
395802.16 3869710.55 10.58519b (13121724)
395802.10 3869735.44 9.91094b (13121724)
395802.03 3869760.33 9.19314b (13121724)
395801.97 3869785.23 8.43049b (13121724)
395801.91 3869810.12 7.61943b (13121724)
395801.84 3869835.01 6.76299b (12120524)
395801.78 3869859.90 6.73934b (12120524)
395801.72 3869884.79 6.69908b (12120524)
395801.66 3869909.68 6.63967b (12120524)
395801.59 3869934.57 6.54160b (12120524)
395801.53 3869959.46 6.41068b (12120524)
395786.13 3869045.71 14.50093b (13121724)
395778.73 3869088.23 15.24593b (13121724)
395778.66 3869113.12 15.50968b (13121724)
395778.60 3869138.01 15.68204b (13121724)
395778.54 3869162.91 15.79241b (13121724)
395778.48 3869187.80 15.85650b (13121724)
395778.41 3869212.69 15.88374b (13121724)
395778.35 3869237.58 15.88209b (13121724)
395778.29 3869262.47 15.84727b (13121724)
395778.23 3869287.36 15.78419b (13121724)
395778.16 3869312.25 15.69299b (13121724)
395778.10 3869337.14 15.57376b (13121724)
395778.04 3869362.03 15.42561b (13121724)
395777.97 3869386.92 15.24718b (13121724)
395777.91 3869411.81 15.03800b (13121724)
395777.85 3869436.70 14.79659b (13121724)
395777.79 3869461.59 14.52196b (13121724)
395777.72 3869486.48 14.21322b (13121724)
395777.66 3869511.37 13.86951b (13121724)
395777.60 3869536.26 13.48993b (13121724)
395777.53 3869561.15 13.06273b (13121724)
395777.47 3869586.04 12.61070b (13121724)
395777.41 3869610.93 12.12210b (13121724)
395777.35 3869635.82 11.59831b (13121724)
395777.28 3869660.71 11.03873b (13121724)
395777.22 3869685.60 10.44250b (13121724)
395777.16 3869710.49 9.80681b (13121724)
395777.10 3869735.38 9.13046b (13121724)
395777.03 3869760.27 8.41075b (13121724)
395776.97 3869785.16 7.64767b (13121724)
395776.91 3869810.05 6.84123b (13121724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395776.84 | 3869834.94 | 6.52775b | (12120524) | 395776.78 | 3869859.83 | 6.49021b | (12120524) |
| 395776.72 | 3869884.72 | 6.44735b | (12120524) | 395776.66 | 3869909.61 | 6.39077b | (12120524) |
| 395776.59 | 3869934.50 | 6.31701b | (12120524) | 395776.53 | 3869959.39 | 6.25593b | (12120524) |
| 395761.13 | 3869045.64 | 14.38450b | (13121724) | 395793.48 | 3869003.07 | 14.07728m | (12121924) |
| 395753.73 | 3869088.17 | 14.84701b | (13121724) | 395753.66 | 3869113.06 | 15.04879b | (13121724) |
| 395753.60 | 3869137.95 | 15.19535b | (13121724) | 395753.54 | 3869162.84 | 15.29306b | (13121724) |
| 395753.48 | 3869187.73 | 15.34847b | (13121724) | 395753.41 | 3869212.62 | 15.36833b | (13121724) |
| 395753.35 | 3869237.51 | 15.35574b | (13121724) | 395753.29 | 3869262.40 | 15.31273b | (13121724) |
| 395753.23 | 3869287.29 | 15.24031b | (13121724) | 395753.16 | 3869312.18 | 15.13862b | (13121724) |
| 395753.10 | 3869337.07 | 15.00812b | (13121724) | 395753.04 | 3869361.96 | 14.84782b | (13121724) |
| 395752.97 | 3869386.85 | 14.65704b | (13121724) | 395752.91 | 3869411.74 | 14.43508b | (13121724) |
| 395752.85 | 3869436.64 | 14.18105b | (13121724) | 395752.79 | 3869461.53 | 13.89385b | (13121724) |
| 395752.72 | 3869486.42 | 13.56348b | (13121724) | 395752.66 | 3869511.31 | 13.19069b | (13121724) |
| 395752.60 | 3869536.20 | 12.80063b | (13121724) | 395752.53 | 3869561.09 | 12.35510b | (13121724) |
| 395752.47 | 3869585.98 | 11.89278b | (13121724) | 395752.41 | 3869610.87 | 11.39890b | (13121724) |
| 395752.35 | 3869635.76 | 10.86924b | (13121724) | 395752.28 | 3869660.65 | 10.30338b | (13121724) |

395752.22 3869685.54 9.70210b (13121724)
395752.16 3869710.43 9.06237b (13121724)
395752.10 3869735.32 8.38364b (13121724)
395752.03 3869760.21 7.66330b (13121724)
395751.97 3869785.10 6.89527b (13121724)
395751.91 3869809.99 6.30699b (12120524)
395751.84 3869834.88 6.26814b (12120524)
395751.78 3869859.77 6.23784b (12120524)
395751.72 3869884.66 6.19911b (12120524)
395751.66 3869909.55 6.15144b (12120524)
395751.59 3869934.44 6.10330b (12120524)
395751.53 3869959.33 6.07168b (12120524)
395736.13 3869045.58 14.12651b (13121724)
395750.82 3869010.31 13.44091b (13121724)
395775.82 3868985.37 13.64772m (12121924)
395728.73 3869088.11 14.42408b (13121724)
395728.66 3869113.00 14.58021b (13121724)
395728.60 3869137.89 14.68514b (13121724)
395728.54 3869162.78 14.76200b (13121724)
395728.48 3869187.67 14.80675b (13121724)
395728.41 3869212.56 14.81769b (13121724)
395728.35 3869237.45 14.79626b (13121724)
395728.29 3869262.34 14.74423b (13121724)
395728.23 3869287.23 14.67850b (13121724)
395728.16 3869312.12 14.57196b (13121724)
395728.10 3869337.01 14.43032b (13121724)
395728.04 3869361.90 14.25398b (13121724)
395727.97 3869386.79 14.03250b (13121724)
395727.91 3869411.68 13.79766b (13121724)
395727.85 3869436.57 13.53134b (13121724)
395727.79 3869461.46 13.23268b (13121724)
395727.72 3869486.35 12.88529b (13121724)
395727.66 3869511.24 12.48945b (13121724)
395727.60 3869536.13 12.09095b (13121724)
395727.53 3869561.02 11.65842b (13121724)
395727.47 3869585.91 11.19196b (13121724)
395727.41 3869610.80 10.69151b (13121724)
395727.35 3869635.69 10.15670b (13121724)
395727.28 3869660.58 9.58620b (13121724)
395727.22 3869685.47 8.98117b (13121724)
395727.16 3869710.37 8.33891b (13121724)
395727.10 3869735.26 7.64284b (13121724)
395727.03 3869760.15 6.91635b (13121724)
395726.97 3869785.04 6.14914b (13121724)
395726.91 3869809.93 6.05205b (12120524)
395726.84 3869834.82 6.02993b (12120524)
395726.78 3869859.71 6.00185b (12120524)
395726.72 3869884.60 5.96779b (12120524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395726.66 | 3869909.49 | 5.93108b | (12120524) | 395726.59 | 3869934.38 | 5.90054b | (12120524) |
| 395726.53 | 3869959.27 | 5.87979b | (12120524) | 395687.60 | 3869041.93 | 13.43021b | (13121724) |
| 395696.42 | 3869020.76 | 13.31995b | (13121724) | 395705.23 | 3868999.60 | 13.00308b | (13121724) |
| 395714.04 | 3868978.43 | 12.47637b | (13121724) | 395744.04 | 3868948.51 | 12.81321m | (12121924) |
| 395765.23 | 3868939.75 | 13.18885m | (12121924) | 395786.42 | 3868930.99 | 13.37521b | (13122724) |
| 395807.60 | 3868922.23 | 13.69293b | (13122724) | 395678.79 | 3869063.09 | 13.39280b | (13121724) |
| 395678.73 | 3869087.98 | 13.50621b | (13121724) | 395678.66 | 3869112.87 | 13.60061b | (13121724) |
| 395678.60 | 3869137.76 | 13.67546b | (13121724) | 395678.54 | 3869162.65 | 13.72571b | (13121724) |
| 395678.48 | 3869187.54 | 13.74656b | (13121724) | 395678.41 | 3869212.43 | 13.73650b | (13121724) |
| 395678.35 | 3869237.32 | 13.69564b | (13121724) | 395678.29 | 3869262.21 | 13.62387b | (13121724) |
| 395678.23 | 3869287.10 | 13.52165b | (13121724) | 395678.16 | 3869311.99 | 13.38848b | (13121724) |
| 395678.10 | 3869336.88 | 13.22479b | (13121724) | 395678.04 | 3869361.78 | 13.03025b | (13121724) |
| 395677.97 | 3869386.67 | 12.80466b | (13121724) | 395677.91 | 3869411.56 | 12.54799b | (13121724) |
| 395677.85 | 3869436.45 | 12.25999b | (13121724) | 395677.79 | 3869461.34 | 11.94011b | (13121724) |
| 395677.72 | 3869486.23 | 11.58794b | (13121724) | 395677.66 | 3869511.12 | 11.20416b | (13121724) |
| 395677.60 | 3869536.01 | 10.78846b | (13121724) | 395677.53 | 3869560.90 | 10.34095b | (13121724) |

395677.47 3869585.79 9.86124b (13121724)
395677.41 3869610.68 9.34742b (13121724)
395677.35 3869635.57 8.80084b (13121724)
395677.28 3869660.46 8.21248b (13121724)
395677.22 3869685.35 7.53832b (13121724)
395677.16 3869710.24 6.90121b (13121724)
395677.10 3869735.13 6.23198b (13121724)
395677.03 3869760.02 5.64524b (12120524)
395676.97 3869784.91 5.63789b (12120524)
395676.91 3869809.80 5.62481b (12120524)
395676.84 3869834.69 5.60692b (12120524)
395676.78 3869859.58 5.58573b (12120524)
395676.72 3869884.47 5.56372b (12120524)
395676.66 3869909.36 5.54302b (12120524)
395676.59 3869934.25 5.51560b (12120524)
395676.53 3869959.14 5.47478b (12120524)
395637.18 3869042.81 12.69457b (13121724)
395653.97 3869002.50 12.62787b (13121724)
395670.76 3868962.18 12.00118b (13121724)
395707.72 3868913.53 11.90174m (12121924)
395748.08 3868896.84 12.65566m (12121924)
395788.43 3868880.16 13.04730b (13122724)
395628.73 3869087.86 12.71678b (13121724)
395628.67 3869112.75 12.76956b (13121724)
395628.60 3869137.64 12.80977b (13121724)
395628.54 3869162.53 12.83024b (13121724)
395628.48 3869187.42 12.82577b (13121724)
395628.41 3869212.31 12.79300b (13121724)
395628.35 3869237.20 12.73086b (13121724)
395628.29 3869262.09 12.63831b (13121724)
395628.23 3869286.98 12.51520b (13121724)
395628.16 3869311.87 12.36100b (13121724)
395628.10 3869336.76 12.17615b (13121724)
395628.04 3869361.65 11.96046b (13121724)
395627.97 3869386.54 11.71385b (13121724)
395627.91 3869411.43 11.43656b (13121724)
395627.85 3869436.32 11.12855b (13121724)
395627.79 3869461.21 10.78950b (13121724)
395627.72 3869486.10 10.41989b (13121724)
395627.66 3869510.99 10.02013b (13121724)
395627.60 3869535.88 9.58979b (13121724)
395627.54 3869560.77 9.08029b (13121724)
395627.47 3869585.66 8.58246b (13121724)
395627.41 3869610.55 8.05322b (13121724)
395627.35 3869635.44 7.49616b (13121724)
395627.28 3869660.33 6.92219b (13121724)
395627.22 3869685.22 6.32134b (13121724)
395627.16 3869710.11 5.69515b (13121724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395627.10 | 3869735.00 | 5.26277b | (12120524) | 395627.03 | 3869759.89 | 5.26928b | (12120524) |
| 395626.97 | 3869784.78 | 5.26824b | (12120524) | 395626.91 | 3869809.67 | 5.26144b | (12120524) |
| 395626.84 | 3869834.56 | 5.25061b | (12120524) | 395626.78 | 3869859.45 | 5.23822b | (12120524) |
| 395626.72 | 3869884.34 | 5.20813b | (12120524) | 395626.66 | 3869909.24 | 5.18255b | (12120524) |
| 395626.59 | 3869934.13 | 5.17149b | (12120524) | 395626.53 | 3869959.02 | 5.16878b | (12120524) |
| 395587.97 | 3869040.79 | 12.03705b | (13121724) | 395597.15 | 3869018.75 | 12.07380b | (13121724) |
| 395606.33 | 3868996.70 | 12.03683b | (13121724) | 395615.51 | 3868974.65 | 11.88840b | (13121724) |
| 395624.69 | 3868952.61 | 11.63315b | (13121724) | 395633.87 | 3868930.56 | 11.21357b | (13121724) |
| 395643.06 | 3868908.52 | 10.65276b | (13121724) | 395674.31 | 3868877.35 | 11.12725m | (12121924) |
| 395696.37 | 3868868.22 | 11.65649m | (12121924) | 395718.44 | 3868859.10 | 12.02586m | (12121924) |
| 395740.51 | 3868849.97 | 12.15807m | (12121924) | 395762.58 | 3868840.85 | 12.29371b | (13122724) |
| 395784.65 | 3868831.72 | 12.61458b | (13122724) | 395806.72 | 3868822.60 | 12.73221b | (13122724) |
| 395578.79 | 3869062.84 | 11.95992b | (13121724) | 395578.73 | 3869087.73 | 11.99009b | (13121724) |
| 395578.67 | 3869112.62 | 12.01125b | (13121724) | 395578.60 | 3869137.51 | 12.02116b | (13121724) |
| 395578.54 | 3869162.40 | 12.01435b | (13121724) | 395578.48 | 3869187.29 | 11.98474b | (13121724) |
| 395578.41 | 3869212.18 | 11.92885b | (13121724) | 395578.35 | 3869237.07 | 11.84463b | (13121724) |

395578.29 3869261.96 11.73071b (13121724)
395578.23 3869286.85 11.58658b (13121724)
395578.16 3869311.74 11.41169b (13121724)
395578.10 3869336.63 11.20663b (13121724)
395578.04 3869361.52 10.96535b (13121724)
395577.97 3869386.41 10.67609b (13121724)
395577.91 3869411.30 10.37970b (13121724)
395577.85 3869436.19 10.05476b (13121724)
395577.79 3869461.08 9.67359b (13121724)
395577.72 3869485.97 9.26445b (13121724)
395577.66 3869510.86 8.85415b (13121724)
395577.60 3869535.75 8.41612b (13121724)
395577.54 3869560.65 7.94981b (13121724)
395577.47 3869585.54 7.45734b (13121724)
395577.41 3869610.43 6.93881b (13121724)
395577.35 3869635.32 6.39614b (13121724)
395577.28 3869660.21 5.83108b (13121724)
395577.22 3869685.10 5.24836b (13121724)
395577.16 3869709.99 4.89802b (12120524)
395577.10 3869734.88 4.92404b (12120524)
395577.03 3869759.77 4.93974b (12120524)
395576.97 3869784.66 4.94733b (12120524)
395576.91 3869809.55 4.94706b (12120524)
395576.84 3869834.44 4.93366b (12120524)
395576.78 3869859.33 4.91301b (12120524)
395576.72 3869884.22 4.90489b (12120524)
395576.66 3869909.11 4.90263b (12120524)
395576.59 3869934.00 4.90169b (12120524)
395576.53 3869958.89 4.90139b (12120524)
395504.36 3869041.25 11.01554b (13121724)
395513.26 3869019.87 11.10384b (13121724)
395522.17 3868998.50 11.16071b (13121724)
395531.07 3868977.12 11.16693b (13121724)
395539.97 3868955.74 11.10151b (13121724)
395548.87 3868934.36 10.94523b (13121724)
395557.78 3868912.98 10.68664b (13121724)
395566.68 3868891.60 10.33641b (13121724)
395575.58 3868870.23 9.89847b (13121724)
395584.48 3868848.85 9.38204b (13121724)
395614.79 3868818.62 9.88504m (12121924)
395636.19 3868809.77 10.41509m (12121924)
395657.59 3868800.93 10.86107m (12121924)
395678.99 3868792.08 11.15947m (12121924)
395700.39 3868783.23 11.33551m (12121924)
395721.79 3868774.38 11.39525m (12121924)
395743.19 3868765.53 11.55510b (13122724)
395764.59 3868756.68 11.82184b (13122724)
395785.99 3868747.83 11.74721b (13122724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395807.39 | 3868738.99 | 11.66651b | (13122724) | 395495.46 | 3869062.63 | 10.90011b | (13121724) |
| 395495.39 | 3869087.52 | 10.88477b | (13121724) | 395495.33 | 3869112.41 | 10.86195b | (13121724) |
| 395495.27 | 3869137.30 | 10.82795b | (13121724) | 395495.21 | 3869162.19 | 10.74684b | (13121724) |
| 395495.14 | 3869187.08 | 10.64788b | (13121724) | 395495.08 | 3869211.97 | 10.55465b | (13121724) |
| 395495.02 | 3869236.86 | 10.43465b | (13121724) | 395494.96 | 3869261.75 | 10.28647b | (13121724) |
| 395494.89 | 3869286.64 | 10.10927b | (13121724) | 395494.83 | 3869311.53 | 9.90294b | (13121724) |
| 395494.77 | 3869336.42 | 9.66782b | (13121724) | 395494.70 | 3869361.31 | 9.40328b | (13121724) |
| 395494.64 | 3869386.20 | 9.11065b | (13121724) | 395494.58 | 3869411.09 | 8.79023b | (13121724) |
| 395494.52 | 3869435.98 | 8.44267b | (13121724) | 395494.45 | 3869460.87 | 8.06849b | (13121724) |
| 395494.39 | 3869485.76 | 7.66891b | (13121724) | 395494.33 | 3869510.65 | 7.24513b | (13121724) |
| 395494.26 | 3869535.54 | 6.79801b | (13121724) | 395494.20 | 3869560.43 | 6.32946b | (13121724) |
| 395494.14 | 3869585.33 | 5.84263b | (13121724) | 395494.08 | 3869610.22 | 5.33546b | (13121724) |
| 395494.01 | 3869635.11 | 4.81811b | (13121724) | 395493.95 | 3869660.00 | 4.30216b | (13121724) |
| 395493.89 | 3869684.89 | 4.31707b | (12120524) | 395493.83 | 3869709.78 | 4.35994b | (12120524) |
| 395493.76 | 3869734.67 | 4.40191b | (12120524) | 395493.70 | 3869759.56 | 4.43681b | (12120524) |
| 395493.64 | 3869784.45 | 4.46242b | (12120524) | 395493.57 | 3869809.34 | 4.48070b | (12120524) |

395493.51 3869834.23 4.49390b (12120524)
395493.45 3869859.12 4.50349b (12120524)
395493.39 3869884.01 4.51076b (12120524)
395493.32 3869908.90 4.51628b (12120524)
395493.26 3869933.79 4.52051b (12120524)
395493.20 3869958.68 4.52356b (12120524)
395421.54 3869039.81 10.03563b (13121724)
395430.96 3869017.20 10.15908b (13121724)
395440.37 3868994.58 10.26242b (13121724)
395449.79 3868971.97 10.35105b (13121724)
395459.21 3868949.36 10.39041b (13121724)
395468.62 3868926.75 10.36164b (13121724)
395478.04 3868904.14 10.23759b (13121724)
395487.45 3868881.53 10.02207b (13121724)
395496.87 3868858.92 9.71339b (13121724)
395506.29 3868836.31 9.31931b (13121724)
395515.70 3868813.69 8.85356b (13121724)
395525.12 3868791.08 8.33705b (13121724)
395557.17 3868759.11 8.85816m (12121924)
395579.80 3868749.75 9.40255m (12121924)
395602.44 3868740.39 9.88647m (12121924)
395625.07 3868731.03 10.27691m (12121924)
395647.71 3868721.68 10.52120m (12121924)
395670.34 3868712.32 10.66942m (12121924)
395692.98 3868702.96 10.63920m (12121924)
395715.61 3868693.60 10.55440b (13122724)
395738.25 3868684.24 10.84054b (13122724)
395760.88 3868674.88 10.79656b (13122724)
395783.52 3868665.52 10.76771b (13122724)
395806.15 3868656.16 10.76178b (13122724)
395412.12 3869062.42 9.89649b (13121724)
395412.06 3869087.31 9.84351b (13121724)
395412.00 3869112.20 9.78154b (13121724)
395411.94 3869137.09 9.70861b (13121724)
395411.87 3869161.98 9.62061b (13121724)
395411.81 3869186.87 9.51455b (13121724)
395411.75 3869211.76 9.38588b (13121724)
395411.69 3869236.65 9.23261b (13121724)
395411.62 3869261.54 9.05282b (13121724)
395411.56 3869286.43 8.84618b (13121724)
395411.50 3869311.32 8.61224b (13121724)
395411.43 3869336.21 8.32969b (13121724)
395411.37 3869361.10 7.99944b (13121724)
395411.31 3869385.99 7.68738b (13121724)
395411.25 3869410.88 7.35077b (13121724)
395411.18 3869435.77 6.98804b (13121724)
395411.12 3869460.66 6.60470b (13121724)
395411.06 3869485.55 6.20334b (13121724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395410.99 | 3869510.44 | 5.78443b | (13121724) | 395410.93 | 3869535.33 | 5.35066b | (13121724) |
| 395410.87 | 3869560.22 | 4.90669b | (13121724) | 395410.81 | 3869585.11 | 4.45707b | (13121724) |
| 395410.74 | 3869610.01 | 4.00686b | (13121724) | 395410.68 | 3869634.90 | 3.60738b | (12120524) |
| 395410.62 | 3869659.79 | 3.71919b | (12120524) | 395410.56 | 3869684.68 | 3.81575b | (12120524) |
| 395410.49 | 3869709.57 | 3.89775b | (12120524) | 395410.43 | 3869734.46 | 3.96628b | (12120524) |
| 395410.37 | 3869759.35 | 4.02277b | (12120524) | 395410.30 | 3869784.24 | 4.06851b | (12120524) |
| 395410.24 | 3869809.13 | 4.10531b | (12120524) | 395410.18 | 3869834.02 | 4.13464b | (12120524) |
| 395410.12 | 3869858.91 | 4.13883b | (12120524) | 395410.05 | 3869883.80 | 4.15071b | (12120524) |
| 395409.99 | 3869908.69 | 4.16419b | (12120524) | 395409.93 | 3869933.58 | 4.17426b | (12120524) |
| 395409.86 | 3869958.47 | 4.18179b | (12120524) | 395337.97 | 3869040.16 | 9.17757b | (13121724) |
| 395347.15 | 3869018.12 | 9.32535b | (13121724) | 395356.33 | 3868996.07 | 9.45682b | (13121724) |
| 395365.51 | 3868974.02 | 9.56775b | (13121724) | 395374.70 | 3868951.98 | 9.65149b | (13121724) |
| 395383.88 | 3868929.93 | 9.69770b | (13121724) | 395393.06 | 3868907.89 | 9.69635b | (13121724) |
| 395402.24 | 3868885.84 | 9.63668b | (13121724) | 395411.42 | 3868863.79 | 9.51004b | (13121724) |
| 395420.60 | 3868841.75 | 9.31493b | (13121724) | 395429.78 | 3868819.70 | 9.06988b | (13121724) |
| 395438.96 | 3868797.66 | 8.74610b | (13121724) | 395448.14 | 3868775.61 | 8.34877b | (13121724) |

395457.32 3868753.56 7.90473b (13121724)
395466.50 3868731.52 7.42961b (13121724)
395497.75 3868700.35 7.91792m (12121924)
395519.82 3868691.22 8.43412m (12121924)
395541.89 3868682.10 8.90831m (12121924)
395563.96 3868672.97 9.32607m (12121924)
395586.03 3868663.85 9.66914m (12121924)
395608.10 3868654.72 9.89666m (12121924)
395630.17 3868645.60 10.04761m (12121924)
395652.24 3868636.47 10.09687m (12121924)
395674.31 3868627.35 9.94146m (12121924)
395696.37 3868618.22 10.05326b (13122724)
395718.44 3868609.10 10.29497b (13122724)
395740.51 3868599.97 10.42763b (13122724)
395762.58 3868590.85 10.31442b (13122724)
395784.65 3868581.72 10.26424b (13122724)
395806.72 3868572.60 10.23667b (13122724)
395328.79 3869062.21 9.01670b (13121724)
395328.73 3869087.10 8.92903b (13121724)
395328.67 3869111.99 8.83218b (13121724)
395328.60 3869136.88 8.72354b (13121724)
395328.54 3869161.77 8.60034b (13121724)
395328.48 3869186.66 8.44632b (13121724)
395328.41 3869211.55 8.25660b (13121724)
395328.35 3869236.44 8.05907b (13121724)
395328.29 3869261.33 7.85332b (13121724)
395328.23 3869286.22 7.62340b (13121724)
395328.16 3869311.11 7.36874b (13121724)
395328.10 3869336.00 7.08980b (13121724)
395328.04 3869360.89 6.78790b (13121724)
395327.98 3869385.78 6.46468b (13121724)
395327.91 3869410.67 6.12102b (13121724)
395327.85 3869435.56 5.75969b (13121724)
395327.79 3869460.45 5.38331b (13121724)
395327.72 3869485.34 4.99506b (13121724)
395327.66 3869510.23 4.59838b (13121724)
395327.60 3869535.12 4.19834b (13121724)
395327.54 3869560.01 3.79983b (13121724)
395327.47 3869584.90 3.40845b (13121724)
395327.41 3869609.80 3.03095b (13121724)
395327.35 3869634.69 3.12136b (12120524)
395327.28 3869659.58 3.25158b (12120524)
395327.22 3869684.47 3.36833b (12120524)
395327.16 3869709.36 3.47159b (12120524)
395327.10 3869734.25 3.56164b (12120524)
395327.03 3869759.14 3.63322b (12120524)
395326.97 3869784.03 3.69123b (12120524)
395326.91 3869808.92 3.74612b (12120524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395326.85 | 3869833.81 | 3.78756b | (12120524) | 395326.78 | 3869858.70 | 3.82495b | (12120524) |
| 395326.72 | 3869883.59 | 3.85517b | (12120524) | 395326.66 | 3869908.48 | 3.87904b | (12120524) |
| 395326.59 | 3869933.37 | 3.89757b | (12120524) | 395326.53 | 3869958.26 | 3.91005b | (12120524) |
| 395087.97 | 3869039.53 | 6.75292b | (13121724) | 395097.15 | 3869017.49 | 6.97172b | (13121724) |
| 395106.33 | 3868995.44 | 7.14976b | (13121724) | 395115.52 | 3868973.39 | 7.34722b | (13121724) |
| 395124.70 | 3868951.35 | 7.52351b | (13121724) | 395133.88 | 3868929.30 | 7.66500b | (13121724) |
| 395143.06 | 3868907.26 | 7.80268b | (13121724) | 395152.24 | 3868885.21 | 7.95595b | (13121724) |
| 395161.42 | 3868863.16 | 8.06303b | (13121724) | 395170.60 | 3868841.12 | 8.12393b | (13121724) |
| 395179.78 | 3868819.07 | 8.15037b | (13121724) | 395188.96 | 3868797.02 | 8.13788b | (13121724) |
| 395198.14 | 3868774.98 | 8.08292b | (13121724) | 395207.32 | 3868752.93 | 7.98257b | (13121724) |
| 395216.50 | 3868730.89 | 7.83526b | (13121724) | 395225.68 | 3868708.84 | 7.64219b | (13121724) |
| 395234.86 | 3868686.79 | 7.40682b | (13121724) | 395244.04 | 3868664.75 | 7.14624b | (13121724) |
| 395253.23 | 3868642.70 | 6.84198b | (13121724) | 395262.41 | 3868620.66 | 6.50478b | (13121724) |
| 395271.59 | 3868598.61 | 6.13872b | (13121724) | 395280.77 | 3868576.56 | 5.75739b | (13121724) |
| 395289.95 | 3868554.52 | 5.36735b | (13121724) | 395321.20 | 3868523.35 | 5.71114m | (12121924) |
| 395343.27 | 3868514.22 | 6.16869m | (12121924) | 395365.34 | 3868505.10 | 6.60486m | (12121924) |

395387.41 3868495.97 7.01951m (12121924)
395409.48 3868486.85 7.40716m (12121924)
395431.54 3868477.72 7.77254m (12121924)
395453.61 3868468.60 8.07882m (12121924)
395475.68 3868459.47 8.32752m (12121924)
395497.75 3868450.35 8.51116m (12121924)
395519.82 3868441.22 8.62946m (12121924)
395541.89 3868432.10 8.69630m (12121924)
395563.96 3868422.97 8.68737m (12121924)
395586.03 3868413.85 8.57090m (12121924)
395608.10 3868404.72 8.49830m (12121924)
395630.17 3868395.60 8.75799b (13122724)
395652.24 3868386.47 8.89652b (13122724)
395674.31 3868377.35 8.93270b (13122724)
395696.37 3868368.22 8.99228b (13122724)
395718.44 3868359.10 9.02122b (13122724)
395740.51 3868349.97 9.01759b (13122724)
395762.58 3868340.85 8.99043b (13122724)
395784.65 3868331.72 8.86177b (13122724)
395806.72 3868322.60 8.72105b (13122724)
395078.79 3869061.58 6.51633b (13121724)
395078.73 3869086.47 6.34733b (13121724)
395078.67 3869111.36 6.16930b (13121724)
395078.60 3869136.25 5.98170b (13121724)
395078.54 3869161.14 5.78408b (13121724)
395078.48 3869186.03 5.57607b (13121724)
395078.42 3869210.92 5.35687b (13121724)
395078.35 3869235.81 5.12615b (13121724)
395078.29 3869260.70 4.88275b (13121724)
395078.23 3869285.59 4.62969b (13121724)
395078.16 3869310.48 3.94352b (13121724)
395078.10 3869335.37 3.59081b (13121724)
395078.04 3869360.26 3.29941b (13121724)
395077.98 3869385.15 3.00748b (13121724)
395077.91 3869410.04 2.71932b (13121724)
395077.85 3869434.93 2.43988b (13121724)
395077.79 3869459.82 2.17410b (13121724)
395077.73 3869484.71 1.92740b (13121724)
395077.66 3869509.60 1.70438b (13121724)
395077.60 3869534.49 1.50848b (13121724)
395077.54 3869559.38 1.34214b (13121724)
395077.47 3869584.27 1.34234b (12120524)
395077.41 3869609.16 1.51613b (12120524)
395077.35 3869634.05 1.68558b (12120524)
395077.29 3869658.95 1.84976b (12120524)
395077.22 3869683.84 2.00729b (12120524)
395077.16 3869708.73 2.15733b (12120524)
395077.10 3869733.62 2.29608b (12120524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395077.03 | 3869758.51 | 2.42572b | (12120524) | 395076.97 | 3869783.40 | 2.54568b | (12120524) |
| 395076.91 | 3869808.29 | 2.65301b | (12120524) | 395076.85 | 3869833.18 | 2.74811b | (12120524) |
| 395076.78 | 3869858.07 | 2.79159b | (12120524) | 395076.72 | 3869882.96 | 2.84638b | (12120524) |
| 395076.66 | 3869907.85 | 2.90220b | (12120524) | 395076.60 | 3869932.74 | 2.94684b | (12120524) |
| 395076.53 | 3869957.63 | 2.98143b | (12120524) | 394838.27 | 3869038.19 | 4.28225b | (13121724) |
| 394847.75 | 3869015.43 | 4.54641b | (13121724) | 394857.22 | 3868992.68 | 4.80030b | (13121724) |
| 394866.70 | 3868969.92 | 5.04280b | (13121724) | 394876.18 | 3868947.16 | 5.27165b | (13121724) |
| 394885.65 | 3868924.40 | 5.48642b | (13121724) | 394895.13 | 3868901.65 | 5.68535b | (13121724) |
| 394904.61 | 3868878.89 | 5.89953b | (13121724) | 394914.08 | 3868856.13 | 6.12387b | (13121724) |
| 394923.56 | 3868833.37 | 6.34261b | (13121724) | 394933.04 | 3868810.62 | 6.50019b | (13121724) |
| 394942.52 | 3868787.86 | 6.62003b | (13121724) | 394951.99 | 3868765.10 | 6.72029b | (13121724) |
| 394961.47 | 3868742.35 | 6.79850b | (13121724) | 394970.95 | 3868719.59 | 6.85190b | (13121724) |
| 394980.42 | 3868696.83 | 6.87629b | (13121724) | 394989.90 | 3868674.07 | 6.97640b | (13121724) |
| 394999.38 | 3868651.32 | 6.93192b | (13121724) | 395008.85 | 3868628.56 | 6.83029b | (13121724) |
| 395018.33 | 3868605.80 | 6.69244b | (13121724) | 395027.81 | 3868583.04 | 6.51968b | (13121724) |
| 395037.28 | 3868560.29 | 6.31398b | (13121724) | 395046.76 | 3868537.53 | 6.07824b | (13121724) |

395056.24 3868514.77 5.82381b (13121724)
395065.71 3868492.02 5.54865b (13121724)
395075.19 3868469.26 5.25575b (13121724)
395084.67 3868446.50 4.94202b (13121724)
395094.14 3868423.74 4.61793b (13121724)
395103.62 3868400.99 4.29110b (13121724)
395113.10 3868378.23 3.96426b (13121724)
395145.36 3868346.05 4.15621m (12121924)
395168.14 3868336.63 4.55316m (12121924)
395190.92 3868327.21 4.93974m (12121924)
395213.70 3868317.79 5.32258m (12121924)
395236.48 3868308.37 5.69716m (12121924)
395259.26 3868298.96 6.06181m (12121924)
395282.04 3868289.54 6.41256m (12121924)
395304.82 3868280.12 6.72206m (12121924)
395327.61 3868270.70 6.99226m (12121924)
395350.39 3868261.28 7.22050m (12121924)
395373.17 3868251.86 7.41487m (12121924)
395395.95 3868242.44 7.55139m (12121924)
395418.73 3868233.02 7.63799m (12121924)
395441.51 3868223.60 7.68046m (12121924)
395464.29 3868214.18 7.68510m (12121924)
395487.07 3868204.76 7.64013m (12121924)
395509.85 3868195.34 7.54425m (12121924)
395532.64 3868185.92 7.50316b (13122724)
395555.42 3868176.50 7.73478b (13122724)
395578.20 3868167.08 7.91248b (13122724)
395600.98 3868157.66 8.00064b (13122724)
395623.76 3868148.24 8.01292b (13122724)
395646.54 3868138.83 8.05604b (13122724)
395669.32 3868129.41 8.06764b (13122724)
395692.10 3868119.99 8.05341b (13122724)
395714.88 3868110.57 8.00692b (13122724)
395737.67 3868101.15 7.87288b (13122724)
395760.45 3868091.73 7.77434b (13122724)
395783.23 3868082.31 7.69031b (13122724)
395806.01 3868072.89 7.59115b (13122724)
394828.79 3869060.95 4.00987b (13121724)
394828.73 3869085.84 3.78491b (13121724)
394828.67 3869110.73 3.55674b (13121724)
394828.60 3869135.62 3.32595b (13121724)
394828.54 3869160.51 3.09482b (13121724)
394828.48 3869185.40 2.85147b (13121724)
394828.42 3869210.29 2.59755b (13121724)
394828.35 3869235.18 2.37819b (13121724)
394828.29 3869260.07 2.16635b (13121724)
394828.23 3869284.96 1.96446b (13121724)
394828.17 3869309.85 1.77396b (13121724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 394828.10 | 3869334.74 | 1.59890b | (13121724) | 394828.04 | 3869359.63 | 1.44096b | (13121724) |
| 394827.98 | 3869384.52 | 1.30093b | (13121724) | 394827.91 | 3869409.41 | 1.17985b | (13121724) |
| 394827.85 | 3869434.30 | 1.07926b | (13121724) | 394827.79 | 3869459.19 | 0.99795b | (13121724) |
| 394827.73 | 3869484.08 | 0.93454b | (13121724) | 394827.66 | 3869508.97 | 0.88530b | (13121724) |
| 394827.60 | 3869533.86 | 0.84195b | (13121724) | 394827.54 | 3869558.75 | 0.82237b | (13121724) |
| 394827.47 | 3869583.64 | 0.81149b | (13121724) | 394827.41 | 3869608.53 | 0.80643b | (13121724) |
| 394827.35 | 3869633.42 | 0.80519b | (13121724) | 394827.29 | 3869658.31 | 0.81674b | (12120524) |
| 394827.22 | 3869683.20 | 0.96589b | (12120524) | 394827.16 | 3869708.10 | 1.11673b | (12120524) |
| 394827.10 | 3869732.99 | 1.26657b | (12120524) | 394827.04 | 3869757.88 | 1.41367b | (12120524) |
| 394826.97 | 3869782.77 | 1.55655b | (12120524) | 394826.91 | 3869807.66 | 1.69411b | (12120524) |
| 394826.85 | 3869832.55 | 1.82498b | (12120524) | 394826.78 | 3869857.44 | 1.94834b | (12120524) |
| 394826.72 | 3869882.33 | 2.06295b | (12120524) | 394826.66 | 3869907.22 | 2.16790b | (12120524) |
| 394826.60 | 3869932.11 | 2.26240b | (12120524) | 394826.53 | 3869957.00 | 2.34593b | (12120524) |
| 394438.36 | 3869036.97 | 1.39097b | (13121724) | 394447.92 | 3869014.00 | 1.62099b | (13121724) |
| 394457.49 | 3868991.03 | 1.84358b | (13121724) | 394467.05 | 3868968.06 | 2.07219b | (13121724) |
| 394476.62 | 3868945.09 | 2.30166b | (13121724) | 394486.18 | 3868922.13 | 2.50578b | (13121724) |

394495.75 3868899.16 2.74272b (13121724)
394505.31 3868876.19 3.02859b (13121724)
394514.88 3868853.22 3.26336b (13121724)
394524.44 3868830.25 3.49184b (13121724)
394534.01 3868807.28 3.71104b (13121724)
394543.57 3868784.31 3.94310b (13121724)
394553.14 3868761.34 4.19384b (13121724)
394562.70 3868738.37 4.45243b (13121724)
394572.27 3868715.40 4.64423b (13121724)
394581.83 3868692.44 4.80588b (13121724)
394591.40 3868669.47 4.95226b (13121724)
394600.96 3868646.50 5.08272b (13121724)
394610.53 3868623.53 5.22387b (13121724)
394620.09 3868600.56 5.41501b (13121724)
394629.66 3868577.59 5.54682b (13121724)
394639.22 3868554.62 5.60741b (13121724)
394648.79 3868531.65 5.64544b (13121724)
394658.35 3868508.68 5.65836b (13121724)
394667.92 3868485.71 5.64437b (13121724)
394677.48 3868462.75 5.60122b (13121724)
394687.05 3868439.78 5.52732b (13121724)
394696.61 3868416.81 5.42158b (13121724)
394706.18 3868393.84 5.28436b (13121724)
394715.74 3868370.87 5.11673b (13121724)
394725.31 3868347.90 4.94646b (13121724)
394734.87 3868324.93 4.76340b (13121724)
394744.44 3868301.96 4.55369b (13121724)
394754.00 3868278.99 4.30786b (13121724)
394763.57 3868256.02 4.03141b (13121724)
394773.13 3868233.06 3.74721b (13121724)
394782.70 3868210.09 3.45863b (13121724)
394792.26 3868187.12 3.17019b (13121724)
394801.83 3868164.15 2.88537b (13121724)
394811.39 3868141.18 2.61222b (13121724)
394820.96 3868118.21 2.51376b (13021324)
394830.52 3868095.24 2.65121b (13021324)
394863.08 3868062.77 2.89656b (13021324)
394886.08 3868053.26 3.02289b (13021324)
394909.07 3868043.75 3.14288b (13021324)
394932.06 3868034.24 3.34875m (12121924)
394955.05 3868024.74 3.65267m (12121924)
394978.05 3868015.23 3.95944m (12121924)
395001.04 3868005.72 4.27312m (12121924)
395024.03 3867996.22 4.58695m (12121924)
395047.03 3867986.71 4.87821m (12121924)
395070.02 3867977.20 5.15546m (12121924)
395093.01 3867967.70 5.42315m (12121924)
395116.01 3867958.19 5.66925m (12121924)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395139.00 | 3867948.68 | 5.87745m | (12121924) | 395161.99 | 3867939.17 | 6.05554m | (12121924) |
| 395184.99 | 3867929.67 | 6.21051m | (12121924) | 395207.98 | 3867920.16 | 6.32999m | (12121924) |
| 395230.97 | 3867910.65 | 6.40783m | (12121924) | 395253.96 | 3867901.15 | 6.45215m | (12121924) |
| 395276.96 | 3867891.64 | 6.47049m | (12121924) | 395299.95 | 3867882.13 | 6.45522m | (12121924) |
| 395322.94 | 3867872.62 | 6.40881m | (12121924) | 395345.94 | 3867863.12 | 6.33670m | (12121924) |
| 395368.93 | 3867853.61 | 6.23300m | (12121924) | 395391.92 | 3867844.10 | 6.20752b | (13122724) |
| 395414.92 | 3867834.60 | 6.39430b | (13122724) | 395437.91 | 3867825.09 | 6.57609b | (13122724) |
| 395460.90 | 3867815.58 | 6.68997b | (13122724) | 395483.89 | 3867806.08 | 6.78688b | (13122724) |
| 395506.89 | 3867796.57 | 6.83905b | (13122724) | 395529.88 | 3867787.06 | 6.88518b | (13122724) |
| 395552.87 | 3867777.55 | 6.90430b | (13122724) | 395575.87 | 3867768.05 | 6.89903b | (13122724) |
| 395598.86 | 3867758.54 | 6.87130b | (13122724) | 395621.85 | 3867749.03 | 6.82312b | (13122724) |
| 395644.85 | 3867739.53 | 6.75601b | (13122724) | 395667.84 | 3867730.02 | 6.67069b | (13122724) |
| 395690.83 | 3867720.51 | 6.56764b | (13122724) | 395713.82 | 3867711.01 | 6.44674b | (13122724) |
| 395736.82 | 3867701.50 | 6.30775b | (13122724) | 395759.81 | 3867691.99 | 6.14988b | (13122724) |
| 395782.80 | 3867682.48 | 5.94388b | (13122724) | 395805.80 | 3867672.98 | 5.71041b | (13122724) |
| 394428.79 | 3869059.94 | 1.17844b | (13121724) | 394428.73 | 3869084.83 | 1.02255b | (13121724) |

394428.67 3869109.72 0.89994b (13121724)
394428.61 3869134.61 0.79445b (13121724)
394428.54 3869159.50 0.70616b (13121724)
394428.48 3869184.39 0.63469b (13121724)
394428.42 3869209.28 0.58048b (13121724)
394428.36 3869234.17 0.56619c (12111424)
394428.29 3869259.06 0.57441c (12111424)
394428.23 3869283.95 0.58055c (12111424)
394428.17 3869308.84 0.58491c (12111424)
394428.10 3869333.73 0.58794c (12111424)
394428.04 3869358.62 0.58998c (12111424)
394427.98 3869383.51 0.58966c (12111424)
394427.92 3869408.40 0.58788c (12111424)
394427.85 3869433.29 0.58875b (13121724)
394427.79 3869458.18 0.61019b (13121724)
394427.73 3869483.07 0.63125b (13121724)
394427.66 3869507.96 0.65129b (13121724)
394427.60 3869532.85 0.66989b (13121724)
394427.54 3869557.74 0.68673b (13121724)
394427.48 3869582.63 0.70168b (13121724)
394427.41 3869607.53 0.71474b (13121724)
394427.35 3869632.42 0.72604b (13121724)
394427.29 3869657.31 0.73581b (13121724)
394427.23 3869682.20 0.74338b (13121724)
394427.16 3869707.09 0.74922b (13121724)
394427.10 3869731.98 0.75330b (13121724)
394427.04 3869756.87 0.75561b (13121724)
394426.97 3869781.76 0.75605b (13121724)
394426.91 3869806.65 0.75424b (13121724)
394426.85 3869831.54 0.75079b (13121724)
394426.79 3869856.43 0.74520b (13121724)
394426.72 3869881.32 0.80852b (12120524)
394426.66 3869906.21 0.92938b (12120524)
394426.60 3869931.10 1.05048b (12120524)
394426.53 3869955.99 1.17021b (12120524)
394038.24 3869036.25 0.43134c (12111424)
394047.68 3869013.58 0.41223c (12111424)
394057.12 3868990.90 0.39223c (12111424)
394066.57 3868968.23 0.37203b (13121724)
394076.01 3868945.55 0.46314b (13121724)
394085.45 3868922.87 0.57655b (13121724)
394094.90 3868900.20 0.69432b (13121724)
394104.34 3868877.52 0.82257b (13121724)
394113.78 3868854.85 0.96439b (13121724)
394123.23 3868832.17 1.12859b (13121724)
394132.67 3868809.49 1.32141b (13121724)
394142.11 3868786.82 1.52714b (13121724)
394151.55 3868764.14 1.73826b (13121724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 394161.00 | 3868741.47 | 1.92899b | (13121724) | 394170.44 | 3868718.79 | 2.12161b | (13121724) |
| 394179.88 | 3868696.11 | 2.31362b | (13121724) | 394189.33 | 3868673.44 | 2.50330b | (13121724) |
| 394198.77 | 3868650.76 | 2.68843b | (13121724) | 394208.21 | 3868628.09 | 2.86780b | (13121724) |
| 394217.66 | 3868605.41 | 3.08263b | (13121724) | 394227.10 | 3868582.73 | 3.29973b | (13121724) |
| 394236.54 | 3868560.06 | 3.50801b | (13121724) | 394245.98 | 3868537.38 | 3.67336b | (13121724) |
| 394255.43 | 3868514.71 | 3.81097b | (13121724) | 394264.87 | 3868492.03 | 3.93608b | (13121724) |
| 394274.31 | 3868469.35 | 4.07749b | (13121724) | 394283.76 | 3868446.68 | 4.23469b | (13121724) |
| 394293.20 | 3868424.00 | 4.37638b | (13121724) | 394302.64 | 3868401.33 | 4.48541b | (13121724) |
| 394312.09 | 3868378.65 | 4.54180b | (13121724) | 394321.53 | 3868355.97 | 4.56636b | (13121724) |
| 394330.97 | 3868333.30 | 4.60047b | (13121724) | 394340.41 | 3868310.62 | 4.60026b | (13121724) |
| 394349.86 | 3868287.95 | 4.57888b | (13121724) | 394359.30 | 3868265.27 | 4.53487b | (13121724) |
| 394368.74 | 3868242.59 | 4.46794b | (13121724) | 394378.19 | 3868219.92 | 4.37783b | (13121724) |
| 394387.63 | 3868197.24 | 4.26505b | (13121724) | 394397.07 | 3868174.57 | 4.15491b | (13121724) |
| 394406.52 | 3868151.89 | 3.97498b | (13121724) | 394415.96 | 3868129.21 | 3.80149b | (13121724) |
| 394425.40 | 3868106.54 | 3.62214b | (13121724) | 394434.84 | 3868083.86 | 3.43668b | (13121724) |
| 394444.29 | 3868061.19 | 3.30023b | (13121724) | 394453.73 | 3868038.51 | 3.09228b | (13121724) |

394463.17 3868015.83 2.86375b (13121724)
394472.62 3867993.16 2.63423b (13121724)
394482.06 3867970.48 2.40757b (13121724)
394491.50 3867947.81 2.21382b (13121724)
394500.95 3867925.13 2.02128b (13121724)
394510.39 3867902.45 1.82883b (13121724)
394519.83 3867879.78 1.76717b (13021324)
394529.27 3867857.10 1.88000b (13021324)
394538.72 3867834.43 1.98813b (13021324)
394548.16 3867811.75 2.10464b (13021324)
394580.30 3867779.69 2.34887b (13021324)
394603.00 3867770.30 2.45888b (13021324)
394625.70 3867760.92 2.55993b (13021324)
394648.40 3867751.53 2.67015b (13021324)
394671.10 3867742.14 2.75631b (13021324)
394693.80 3867732.76 2.81572b (13021324)
394716.50 3867723.37 2.85752b (13021324)
394739.20 3867713.99 2.89621b (13021324)
394761.90 3867704.60 2.97945m (12121924)
394784.60 3867695.22 3.24867m (12121924)
394807.30 3867685.83 3.51649m (12121924)
394830.00 3867676.44 3.83112m (12121924)
394852.70 3867667.06 4.23237m (12121924)
394875.40 3867657.67 4.45439m (12121924)
394898.10 3867648.29 4.67308m (12121924)
394920.80 3867638.90 4.86317m (12121924)
394943.50 3867629.52 5.03332m (12121924)
394966.20 3867620.13 5.18074m (12121924)
394988.90 3867610.74 5.30465m (12121924)
395011.60 3867601.36 5.40426m (12121924)
395034.30 3867591.97 5.48684m (12121924)
395057.00 3867582.59 5.54343m (12121924)
395079.70 3867573.20 5.56674m (12121924)
395102.40 3867563.81 5.56538m (12121924)
395125.10 3867554.43 5.54693m (12121924)
395147.80 3867545.04 5.50344m (12121924)
395170.50 3867535.66 5.43375m (12121924)
395193.20 3867526.27 5.34340m (12121924)
395215.90 3867516.89 5.23431m (12121924)
395238.60 3867507.50 5.14860b (13122724)
395261.30 3867498.11 5.35693b (13122724)
395284.00 3867488.73 5.54520b (13122724)
395306.70 3867479.34 5.70437b (13122724)
395329.40 3867469.96 5.83578b (13122724)
395352.10 3867460.57 5.94138b (13122724)
395374.79 3867451.19 6.02123b (13122724)
395397.49 3867441.80 6.07598b (13122724)
395420.19 3867432.41 6.10830b (13122724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395442.89 | 3867423.03 | 6.11305b | (13122724) | 395465.59 | 3867413.64 | 6.10006b | (13122724) |
| 395488.29 | 3867404.26 | 6.04390b | (13122724) | 395510.99 | 3867394.87 | 5.98421b | (13122724) |
| 395533.69 | 3867385.49 | 5.90041b | (13122724) | 395556.39 | 3867376.10 | 5.77599b | (13122724) |
| 395579.09 | 3867366.71 | 5.67051b | (13122724) | 395601.79 | 3867357.33 | 5.54439b | (13122724) |
| 395624.49 | 3867347.94 | 5.40681b | (13122724) | 395647.19 | 3867338.56 | 5.25304b | (13122724) |
| 395669.89 | 3867329.17 | 5.08335b | (13122724) | 395692.59 | 3867319.78 | 4.89850b | (13122724) |
| 395715.29 | 3867310.40 | 4.69882b | (13122724) | 395737.99 | 3867301.01 | 4.48530b | (13122724) |
| 395760.69 | 3867291.63 | 4.25924b | (13122724) | 395783.39 | 3867282.24 | 4.02170b | (13122724) |
| 395806.09 | 3867272.86 | 3.77522b | (13122724) | 394028.80 | 3869058.93 | 0.44916c | (12111424) |
| 394028.73 | 3869083.82 | 0.46746c | (12111424) | 394028.67 | 3869108.71 | 0.48430c | (12111424) |
| 394028.61 | 3869133.60 | 0.49959c | (12111424) | 394028.54 | 3869158.49 | 0.51364c | (12111424) |
| 394028.48 | 3869183.38 | 0.52617c | (12111424) | 394028.42 | 3869208.27 | 0.53642c | (12111424) |
| 394028.36 | 3869233.16 | 0.54496c | (12111424) | 394028.29 | 3869258.05 | 0.55171c | (12111424) |
| 394028.23 | 3869282.94 | 0.55677c | (12111424) | 394028.17 | 3869307.83 | 0.56011c | (12111424) |
| 394028.11 | 3869332.72 | 0.56181c | (12111424) | 394028.04 | 3869357.61 | 0.56188c | (12111424) |
| 394027.98 | 3869382.50 | 0.56030c | (12111424) | 394027.92 | 3869407.39 | 0.55708c | (12111424) |

394027.85 3869432.28 0.55284c (12111424)
394027.79 3869457.17 0.54684c (12111424)
394027.73 3869482.06 0.54220b (13121724)
394027.67 3869506.96 0.56663b (13121724)
394027.60 3869531.85 0.58933b (13121724)
394027.54 3869556.74 0.61019b (13121724)
394027.48 3869581.63 0.62914b (13121724)
394027.41 3869606.52 0.64616b (13121724)
394027.35 3869631.41 0.66124b (13121724)
394027.29 3869656.30 0.67445b (13121724)
394027.23 3869681.19 0.68552b (13121724)
394027.16 3869706.08 0.69471b (13121724)
394027.10 3869730.97 0.70199b (13121724)
394027.04 3869755.86 0.70689b (13121724)
394026.98 3869780.75 0.70950b (13121724)
394026.91 3869805.64 0.71097b (13121724)
394026.85 3869830.53 0.71043b (13121724)
394026.79 3869855.42 0.70790b (13121724)
394026.72 3869880.31 0.70332b (13121724)
394026.66 3869905.20 0.69653b (13121724)
394026.60 3869930.09 0.68754b (13121724)
394026.54 3869954.98 0.67616b (13121724)
393638.30 3869035.10 0.43199c (12111424)
393647.81 3869012.27 0.41559c (12111424)
393657.31 3868989.45 0.39828c (12111424)
393666.82 3868966.62 0.38016c (12111424)
393676.32 3868943.80 0.36141c (12111424)
393685.83 3868920.98 0.34214c (12111424)
393695.33 3868898.15 0.32249c (12111424)
393704.83 3868875.33 0.30267c (12111424)
393714.34 3868852.50 0.28281c (12111424)
393723.84 3868829.68 0.26308c (12111424)
393733.35 3868806.85 0.25625b (13121724)
393742.85 3868784.03 0.31827b (13121724)
393752.36 3868761.21 0.39165b (13121724)
393761.86 3868738.38 0.50150b (13121724)
393771.37 3868715.56 0.62092b (13121724)
393780.87 3868692.73 0.73499b (13121724)
393790.38 3868669.91 0.85974b (13121724)
393799.88 3868647.09 0.99437b (13121724)
393809.39 3868624.26 1.13760b (13121724)
393818.89 3868601.44 1.27676b (13121724)
393828.40 3868578.61 1.38578b (13121724)
393837.90 3868555.79 1.52411b (13121724)
393847.41 3868532.96 1.65646b (13121724)
393856.91 3868510.14 1.81009b (13121724)
393866.42 3868487.32 1.96262b (13121724)
393875.92 3868464.49 2.11200b (13121724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 393885.42 | 3868441.67 | 2.25750b | (13121724) | 393894.93 | 3868418.84 | 2.39719b | (13121724) |
| 393904.43 | 3868396.02 | 2.53049b | (13121724) | 393913.94 | 3868373.19 | 2.65606b | (13121724) |
| 393923.44 | 3868350.37 | 2.77330b | (13121724) | 393932.95 | 3868327.55 | 2.88143b | (13121724) |
| 393942.45 | 3868304.72 | 2.97966b | (13121724) | 393951.96 | 3868281.90 | 3.06781b | (13121724) |
| 393961.46 | 3868259.07 | 3.14489b | (13121724) | 393970.97 | 3868236.25 | 3.21097b | (13121724) |
| 393980.47 | 3868213.43 | 3.27094b | (13121724) | 393989.98 | 3868190.60 | 3.42078b | (13121724) |
| 393999.48 | 3868167.78 | 3.53504b | (13121724) | 394008.99 | 3868144.95 | 3.55062b | (13121724) |
| 394018.49 | 3868122.13 | 3.56418b | (13121724) | 394028.00 | 3868099.30 | 3.69182b | (13121724) |
| 394037.50 | 3868076.48 | 3.68815b | (13121724) | 394047.00 | 3868053.66 | 3.63530b | (13121724) |
| 394056.51 | 3868030.83 | 3.56441b | (13121724) | 394066.01 | 3868008.01 | 3.51264b | (13121724) |
| 394075.52 | 3867985.18 | 3.50426b | (13121724) | 394085.02 | 3867962.36 | 3.40006b | (13121724) |
| 394094.53 | 3867939.53 | 3.25844b | (13121724) | 394104.03 | 3867916.71 | 3.10366b | (13121724) |
| 394113.54 | 3867893.89 | 2.93805b | (13121724) | 394123.04 | 3867871.06 | 2.82716b | (13121724) |
| 394132.55 | 3867848.24 | 2.69174b | (13121724) | 394142.05 | 3867825.41 | 2.50141b | (13121724) |
| 394151.56 | 3867802.59 | 2.30909b | (13121724) | 394161.06 | 3867779.77 | 2.11794b | (13121724) |
| 394170.57 | 3867756.94 | 1.92891b | (13121724) | 394180.07 | 3867734.12 | 1.74661b | (13121724) |

394189.58 3867711.29 1.59086b (13121724)
394199.08 3867688.47 1.43913b (13121724)
394208.59 3867665.64 1.35812c (12011924)
394218.09 3867642.82 1.29434c (12011924)
394227.59 3867620.00 1.30361b (13021324)
394237.10 3867597.17 1.40189b (13021324)
394246.60 3867574.35 1.49988b (13021324)
394256.11 3867551.52 1.60119b (13021324)
394265.61 3867528.70 1.72152b (13021324)
394297.97 3867496.43 1.92430b (13021324)
394320.81 3867486.98 2.02834b (13021324)
394343.66 3867477.53 2.12530b (13021324)
394366.51 3867468.09 2.21496b (13021324)
394389.36 3867458.64 2.30331b (13021324)
394412.21 3867449.19 2.39384b (13021324)
394435.05 3867439.74 2.45351b (13021324)
394457.90 3867430.30 2.49556b (13021324)
394480.75 3867420.85 2.52340b (13021324)
394503.60 3867411.40 2.55450b (13021324)
394526.45 3867401.96 2.55451b (13021324)
394549.30 3867392.51 2.53811b (13021324)
394572.14 3867383.06 2.69850m (12121924)
394594.99 3867373.61 2.94944m (12121924)
394617.84 3867364.17 3.18206m (12121924)
394640.69 3867354.72 3.40932m (12121924)
394663.54 3867345.27 3.63830m (12121924)
394686.38 3867335.83 3.89709m (12121924)
394709.23 3867326.38 4.09568m (12121924)
394732.08 3867316.93 4.27049m (12121924)
394754.93 3867307.48 4.43546m (12121924)
394777.78 3867298.04 4.55429m (12121924)
394800.62 3867288.59 4.65658m (12121924)
394823.47 3867279.14 4.73828m (12121924)
394846.32 3867269.70 4.80334m (12121924)
394869.17 3867260.25 4.85518m (12121924)
394892.02 3867250.80 4.87507m (12121924)
394914.87 3867241.36 4.87410m (12121924)
394937.71 3867231.91 4.85295m (12121924)
394960.56 3867222.46 4.81223m (12121924)
394983.41 3867213.01 4.75269m (12121924)
395006.26 3867203.57 4.68205m (12121924)
395029.11 3867194.12 4.59215m (12121924)
395051.95 3867184.67 4.48208m (12121924)
395074.80 3867175.23 4.35725m (12121924)
395097.65 3867165.78 4.44484b (13122724)
395120.50 3867156.33 4.62732b (13122724)
395143.35 3867146.88 4.79319b (13122724)
395166.19 3867137.44 4.94470b (13122724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395189.04 | 3867127.99 | 5.07119b | (13122724) | 395211.89 | 3867118.54 | 5.17591b | (13122724) |
| 395234.74 | 3867109.10 | 5.25944b | (13122724) | 395257.59 | 3867099.65 | 5.32207b | (13122724) |
| 395280.44 | 3867090.20 | 5.36383b | (13122724) | 395303.28 | 3867080.75 | 5.38510b | (13122724) |
| 395326.13 | 3867071.31 | 5.38642b | (13122724) | 395348.98 | 3867061.86 | 5.36855b | (13122724) |
| 395371.83 | 3867052.41 | 5.33212b | (13122724) | 395394.68 | 3867042.97 | 5.28063b | (13122724) |
| 395417.52 | 3867033.52 | 5.21084b | (13122724) | 395440.37 | 3867024.07 | 5.12252b | (13122724) |
| 395463.22 | 3867014.62 | 5.01812b | (13122724) | 395486.07 | 3867005.18 | 4.89843b | (13122724) |
| 395508.92 | 3866995.73 | 4.76420b | (13122724) | 395531.76 | 3866986.28 | 4.61572b | (13122724) |
| 395554.61 | 3866976.84 | 4.45474b | (13122724) | 395577.46 | 3866967.39 | 4.27790b | (13122724) |
| 395600.31 | 3866957.94 | 4.09233b | (13122724) | 395623.16 | 3866948.49 | 3.89664b | (13122724) |
| 395646.01 | 3866939.05 | 3.69209b | (13122724) | 395668.85 | 3866929.60 | 3.47884b | (13122724) |
| 395691.70 | 3866920.15 | 3.25631b | (13122724) | 395714.55 | 3866910.71 | 3.02556b | (13122724) |
| 395737.40 | 3866901.26 | 2.80384b | (13122724) | 395760.25 | 3866891.81 | 2.58223b | (13122724) |
| 395783.09 | 3866882.36 | 2.36299b | (13122724) | 395805.94 | 3866872.92 | 2.14789b | (13122724) |
| 393628.80 | 3869057.92 | 0.44731c | (12111424) | 393628.73 | 3869082.81 | 0.46283c | (12111424) |
| 393628.67 | 3869107.70 | 0.47710c | (12111424) | 393628.61 | 3869132.59 | 0.49002c | (12111424) |

393628.55 3869157.48 0.50148c (12111424)
393628.48 3869182.37 0.51141c (12111424)
393628.42 3869207.26 0.51970c (12111424)
393628.36 3869232.15 0.52640c (12111424)
393628.29 3869257.04 0.53147c (12111424)
393628.23 3869281.93 0.53493c (12111424)
393628.17 3869306.82 0.53676c (12111424)
393628.11 3869331.71 0.53691c (12111424)
393628.04 3869356.60 0.53545c (12111424)
393627.98 3869381.49 0.53236c (12111424)
393627.92 3869406.39 0.52702c (12111424)
393627.86 3869431.28 0.52045c (12111424)
393627.79 3869456.17 0.51256c (12111424)
393627.73 3869481.06 0.50315c (12111424)
393627.67 3869505.95 0.49390b (13121724)
393627.60 3869530.84 0.51785b (13121724)
393627.54 3869555.73 0.53981b (13121724)
393627.48 3869580.62 0.56045b (13121724)
393627.42 3869605.51 0.57977b (13121724)
393627.35 3869630.40 0.59763b (13121724)
393627.29 3869655.29 0.61450b (13121724)
393627.23 3869680.18 0.62879b (13121724)
393627.16 3869705.07 0.64055b (13121724)
393627.10 3869729.96 0.65103b (13121724)
393627.04 3869754.85 0.65974b (13121724)
393626.98 3869779.74 0.66550b (13121724)
393626.91 3869804.63 0.66868b (13121724)
393626.85 3869829.52 0.67045b (13121724)
393626.79 3869854.41 0.66998b (13121724)
393626.73 3869879.30 0.66704b (13121724)
393626.66 3869904.19 0.66161b (13121724)
393626.60 3869929.08 0.65426b (13121724)
393626.54 3869953.97 0.64625b (13121724)
393238.35 3869033.98 0.42922c (12111424)
393247.89 3869011.06 0.41512c (12111424)
393257.44 3868988.13 0.40043c (12111424)
393266.99 3868965.20 0.38492c (12111424)
393276.54 3868942.27 0.36872c (12111424)
393286.09 3868919.34 0.35182c (12111424)
393295.63 3868896.42 0.33441c (12111424)
393305.18 3868873.49 0.31664c (12111424)
393314.73 3868850.56 0.29879c (12111424)
393324.28 3868827.63 0.28093c (12111424)
393333.83 3868804.70 0.26295c (12111424)
393343.37 3868781.78 0.24492c (12111424)
393352.92 3868758.85 0.22758c (12111424)
393362.47 3868735.92 0.21691c (10012024)
393372.02 3868712.99 0.22417c (10012024)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 393381.57 | 3868690.06 | 0.23082c | (10012024) | 393391.11 | 3868667.14 | 0.23689c | (10012024) |
| 393400.66 | 3868644.21 | 0.24229c | (10012024) | 393410.21 | 3868621.28 | 0.24699c | (10012024) |
| 393419.76 | 3868598.35 | 0.25156b | (13121724) | 393429.30 | 3868575.43 | 0.30971b | (13121724) |
| 393438.85 | 3868552.50 | 0.38724b | (13121724) | 393448.40 | 3868529.57 | 0.47729b | (13121724) |
| 393457.95 | 3868506.64 | 0.57986b | (13121724) | 393467.50 | 3868483.71 | 0.68028b | (13121724) |
| 393477.04 | 3868460.79 | 0.78617b | (13121724) | 393486.59 | 3868437.86 | 0.89499b | (13121724) |
| 393496.14 | 3868414.93 | 1.01760b | (13121724) | 393505.69 | 3868392.00 | 1.14094b | (13121724) |
| 393515.24 | 3868369.07 | 1.26761b | (13121724) | 393524.78 | 3868346.15 | 1.40208b | (13121724) |
| 393534.33 | 3868323.22 | 1.52578b | (13121724) | 393543.88 | 3868300.29 | 1.65477b | (13121724) |
| 393553.43 | 3868277.36 | 1.79686b | (13121724) | 393562.98 | 3868254.43 | 2.00871b | (13121724) |
| 393572.52 | 3868231.51 | 2.15427b | (13121724) | 393582.07 | 3868208.58 | 2.27524b | (13121724) |
| 393591.62 | 3868185.65 | 2.38969b | (13121724) | 393601.17 | 3868162.72 | 2.49701b | (13121724) |
| 393610.72 | 3868139.79 | 2.60223b | (13121724) | 393620.26 | 3868116.87 | 2.74220b | (13121724) |
| 393629.81 | 3868093.94 | 2.87498b | (13121724) | 393639.36 | 3868071.01 | 2.99942b | (13121724) |
| 393648.91 | 3868048.08 | 2.99942b | (13121724) | 393658.45 | 3868025.15 | 3.05587b | (13121724) |
| 393668.00 | 3868002.23 | 3.15018b | (13121724) | 393677.55 | 3867979.30 | 3.18440b | (13121724) |

393687.10 3867956.37 3.19866b (13121724)
393696.65 3867933.44 3.19901b (13121724)
393706.19 3867910.51 3.19136b (13121724)
393715.74 3867887.59 3.23618b (13121724)
393725.29 3867864.66 3.24649b (13121724)
393734.84 3867841.73 3.20616b (13121724)
393744.39 3867818.80 3.12944b (13121724)
393753.93 3867795.87 3.03830b (13121724)
393763.48 3867772.95 2.93368b (13121724)
393773.03 3867750.02 2.81634b (13121724)
393782.58 3867727.09 2.68828b (13121724)
393792.13 3867704.16 2.55084b (13121724)
393801.67 3867681.23 2.44307b (13121724)
393811.22 3867658.31 2.33230b (13121724)
393820.77 3867635.38 2.19957b (13121724)
393830.32 3867612.45 2.03732b (13121724)
393839.87 3867589.52 1.87506b (13121724)
393849.41 3867566.59 1.71428b (13121724)
393858.96 3867543.67 1.55704b (13121724)
393868.51 3867520.74 1.40445b (13121724)
393878.06 3867497.81 1.32475c (12011924)
393887.61 3867474.88 1.29410c (12011924)
393897.15 3867451.95 1.25647c (12011924)
393906.70 3867429.03 1.21050c (12011924)
393916.25 3867406.10 1.15419c (12011924)
393925.80 3867383.17 1.09255c (12011924)
393935.34 3867360.24 1.02875c (12011924)
393944.89 3867337.32 1.02397b (13021324)
393954.44 3867314.39 1.11116b (13021324)
393963.99 3867291.46 1.19863b (13021324)
393973.54 3867268.53 1.29004b (13021324)
393983.08 3867245.60 1.38631b (13021324)
394015.58 3867213.19 1.58593b (13021324)
394038.54 3867203.70 1.68063b (13021324)
394061.49 3867194.21 1.77420b (13021324)
394084.44 3867184.72 1.88530b (13021324)
394107.39 3867175.23 1.97167b (13021324)
394130.34 3867165.73 2.04531b (13021324)
394153.30 3867156.24 2.11247b (13021324)
394176.25 3867146.75 2.17315b (13021324)
394199.20 3867137.26 2.20680b (13021324)
394222.15 3867127.77 2.24307b (13021324)
394245.10 3867118.28 2.26469b (13021324)
394268.06 3867108.79 2.27819b (13021324)
394291.01 3867099.30 2.26767b (13021324)
394313.96 3867089.81 2.24342b (13021324)
394336.91 3867080.32 2.21382b (13021324)
394359.86 3867070.83 2.22711m (12121924)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|
| 394382.82 | 3867061.34 | 2.43154m | (12121924) |
| 394405.77 | 3867051.85 | 2.63594m | (12121924) |
| 394428.72 | 3867042.36 | 2.83944m | (12121924) |
| 394451.67 | 3867032.87 | 3.06952m | (12121924) |
| 394474.62 | 3867023.38 | 3.29701m | (12121924) |
| 394497.58 | 3867013.89 | 3.47896m | (12121924) |
| 394520.53 | 3867004.40 | 3.64438m | (12121924) |
| 394543.48 | 3866994.91 | 3.80402m | (12121924) |
| 394566.43 | 3866985.42 | 3.98947m | (12121924) |
| 394589.38 | 3866975.93 | 4.10929m | (12121924) |
| 394612.34 | 3866966.44 | 4.20276m | (12121924) |
| 394635.29 | 3866956.95 | 4.28671m | (12121924) |
| 394658.24 | 3866947.46 | 4.36545m | (12121924) |
| 394681.19 | 3866937.97 | 4.40330m | (12121924) |
| 394704.14 | 3866928.48 | 4.42123m | (12121924) |
| 394727.10 | 3866918.99 | 4.41225m | (12121924) |
| 394750.05 | 3866909.50 | 4.38471m | (12121924) |
| 394773.00 | 3866900.01 | 4.34328m | (12121924) |
| 394795.95 | 3866890.52 | 4.29621m | (12121924) |
| 394818.90 | 3866881.03 | 4.14670m | (12121924) |
| 394841.86 | 3866871.54 | 4.06479m | (12121924) |
| 394864.81 | 3866862.05 | 3.96923m | (12121924) |
| 394887.76 | 3866852.56 | 3.86466m | (12121924) |
| 394910.71 | 3866843.07 | 3.74618m | (12121924) |
| 394933.66 | 3866833.58 | 3.72852b | (13122724) |
| 394956.62 | 3866824.09 | 3.90089b | (13122724) |
| 394979.57 | 3866814.60 | 4.06120b | (13122724) |
| 395002.52 | 3866805.11 | 4.20791b | (13122724) |
| 395025.47 | 3866795.62 | 4.33979b | (13122724) |
| 395048.42 | 3866786.13 | 4.45580b | (13122724) |
| 395071.37 | 3866776.64 | 4.55515b | (13122724) |
| 395094.33 | 3866767.15 | 4.63714b | (13122724) |

395117.28 3866757.66 4.70156b (13122724)
395140.23 3866748.17 4.74839b (13122724)
395163.18 3866738.68 4.78275b (13122724)
395186.13 3866729.19 4.79501b (13122724)
395209.09 3866719.70 4.79063b (13122724)
395232.04 3866710.21 4.76725b (13122724)
395254.99 3866700.72 4.72739b (13122724)
395277.94 3866691.23 4.67147b (13122724)
395300.89 3866681.74 4.60016b (13122724)
395323.85 3866672.25 4.51505b (13122724)
395346.80 3866662.76 4.41916b (13122724)
395369.75 3866653.27 4.30580b (13122724)
395392.70 3866643.78 4.17939b (13122724)
395415.65 3866634.29 4.04120b (13122724)
395438.61 3866624.80 3.89210b (13122724)
395461.56 3866615.31 3.73331b (13122724)
395484.51 3866605.82 3.56738b (13122724)
395507.46 3866596.33 3.39349b (13122724)
395530.41 3866586.84 3.21231b (13122724)
395553.37 3866577.35 3.02643b (13122724)
395576.32 3866567.86 2.83715b (13122724)
395599.27 3866558.37 2.64627b (13122724)
395622.22 3866548.88 2.45517b (13122724)
395645.17 3866539.39 2.26592b (13122724)
395668.13 3866529.90 2.07852b (13122724)
395691.08 3866520.41 1.89545b (13122724)
395714.03 3866510.92 1.71864b (13122724)
395736.98 3866501.43 1.54877b (13122724)
395759.93 3866491.94 1.48132b (09011224)
395782.89 3866482.45 1.48687b (13121124)
395805.84 3866472.96 1.57801b (13121124)
393228.80 3869056.91 0.44228c (12111424)
393228.74 3869081.80 0.45525c (12111424)
393228.67 3869106.69 0.46702c (12111424)
393228.61 3869131.58 0.47754c (12111424)
393228.55 3869156.47 0.48692c (12111424)
393228.48 3869181.36 0.49499c (12111424)
393228.42 3869206.25 0.50120c (12111424)
393228.36 3869231.14 0.50594c (12111424)
393228.30 3869256.03 0.50920c (12111424)
393228.23 3869280.92 0.51093c (12111424)
393228.17 3869305.82 0.51110c (12111424)
393228.11 3869330.71 0.50970c (12111424)
393228.04 3869355.60 0.50677c (12111424)
393227.98 3869380.49 0.50234c (12111424)
393227.92 3869405.38 0.49641c (12111424)
393227.86 3869430.27 0.48900c (12111424)
393227.79 3869455.16 0.48004c (12111424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 393227.73 | 3869480.05 | 0.46952c | (12111424) | 393227.67 | 3869504.94 | 0.45788c | (12111424) |
| 393227.61 | 3869529.83 | 0.45395b | (13121724) | 393227.54 | 3869554.72 | 0.47571b | (13121724) |
| 393227.48 | 3869579.61 | 0.49652b | (13121724) | 393227.42 | 3869604.50 | 0.51611b | (13121724) |
| 393227.35 | 3869629.39 | 0.53396b | (13121724) | 393227.29 | 3869654.28 | 0.54964b | (13121724) |
| 393227.23 | 3869679.17 | 0.56474b | (13121724) | 393227.17 | 3869704.06 | 0.57846b | (13121724) |
| 393227.10 | 3869728.95 | 0.59035b | (13121724) | 393227.04 | 3869753.84 | 0.60055b | (13121724) |
| 393226.98 | 3869778.73 | 0.60932b | (13121724) | 393226.91 | 3869803.62 | 0.61646b | (13121724) |
| 393226.85 | 3869828.51 | 0.62117b | (13121724) | 393226.79 | 3869853.40 | 0.62390b | (13121724) |
| 393226.73 | 3869878.29 | 0.62460b | (13121724) | 393226.66 | 3869903.18 | 0.62359b | (13121724) |
| 393226.60 | 3869928.07 | 0.62043b | (13121724) | 393226.54 | 3869952.96 | 0.61503b | (13121724) |
| 395826.53 | 3869984.52 | 6.15282c | (13011524) | 395851.47 | 3869984.52 | 6.30106c | (13011524) |
| 395876.42 | 3869984.52 | 6.55992b | (13020524) | 395901.36 | 3869984.52 | 8.00364b | (13020524) |
| 395926.31 | 3869984.52 | 9.09944b | (13020524) | 395951.25 | 3869984.53 | 9.87227b | (13020524) |
| 395976.20 | 3869984.53 | 10.54460b | (13020524) | 396001.14 | 3869984.53 | 11.04708b | (13020524) |
| 396026.09 | 3869984.53 | 11.41816b | (13020524) | 396051.03 | 3869984.53 | 11.68568b | (13020524) |
| 396075.98 | 3869984.53 | 11.87355b | (13020524) | 396100.92 | 3869984.53 | 11.99658b | (13020524) |

396125.87 3869984.53 12.01501b (13020524)
396150.81 3869984.53 12.06753b (13020524)
396175.75 3869984.54 12.11095b (13020524)
396200.70 3869984.54 12.14057b (13020524)
396225.64 3869984.54 12.16121b (13020524)
396250.59 3869984.54 12.17439b (13020524)
396275.53 3869984.54 12.16911b (13020524)
396300.48 3869984.54 12.09456b (13020524)
396325.42 3869984.54 12.10287b (13020524)
396350.37 3869984.54 12.10987b (13020524)
396375.31 3869984.54 12.11517b (13020524)
396400.26 3869984.55 12.11998b (13020524)
396425.20 3869984.55 12.12357b (13020524)
396450.15 3869984.55 12.14822b (13120224)
396475.09 3869984.55 12.23175b (13120224)
396500.04 3869984.55 12.10969b (13120224)
396524.98 3869984.55 11.84932b (13120224)
396549.93 3869984.55 11.91657b (13020124)
396574.87 3869984.55 12.02340b (13020124)
396599.82 3869984.55 12.10259b (13020124)
396624.76 3869984.56 11.92843b (13020124)
396649.70 3869984.56 11.77455b (13020124)
396674.65 3869984.56 11.82389b (13020124)
396699.59 3869984.56 11.86365b (13020124)
396724.54 3869984.56 11.87151b (13020124)
395808.83 3870002.17 5.74220c (13011524)
395851.47 3870009.52 6.20321c (13011524)
395876.42 3870009.52 6.22249c (13011524)
395901.36 3870009.52 7.59015b (13020524)
395926.31 3870009.52 8.70783b (13020524)
395951.25 3870009.53 9.55944b (13020524)
395976.20 3870009.53 10.24164b (13020524)
396001.14 3870009.53 10.75775b (13020524)
396026.09 3870009.53 11.14040b (13020524)
396051.03 3870009.53 11.41965b (13020524)
396075.97 3870009.53 11.61867b (13020524)
396100.92 3870009.53 11.75806b (13020524)
396125.86 3870009.53 11.85008b (13020524)
396150.81 3870009.53 11.89779b (13020524)
396175.75 3870009.54 11.93769b (13020524)
396200.70 3870009.54 11.96886b (13020524)
396225.64 3870009.54 11.98896b (13020524)
396250.59 3870009.54 12.00471b (13020524)
396275.53 3870009.54 12.01433b (13020524)
396300.48 3870009.54 12.01849b (13020524)
396325.42 3870009.54 11.94908b (13020524)
396350.37 3870009.54 11.95540b (13020524)
396375.31 3870009.54 11.96078b (13020524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396400.26 | 3870009.55 | 11.96517b | (13020524) | 396425.20 | 3870009.55 | 11.96834b | (13020524) |
| 396450.15 | 3870009.55 | 11.96939b | (13020524) | 396475.09 | 3870009.55 | 11.96934b | (13020524) |
| 396500.04 | 3870009.55 | 12.03674b | (13020124) | 396524.98 | 3870009.55 | 12.04912b | (13020124) |
| 396549.92 | 3870009.55 | 11.83866b | (13020124) | 396574.87 | 3870009.55 | 11.95819b | (13020124) |
| 396599.81 | 3870009.55 | 12.05957b | (13020124) | 396624.76 | 3870009.56 | 12.09404b | (13020124) |
| 396649.70 | 3870009.56 | 11.98427b | (13020124) | 396674.65 | 3870009.56 | 11.86428b | (13020124) |
| 396699.59 | 3870009.56 | 12.22140b | (13020124) | 396724.54 | 3870009.56 | 12.24930b | (13020124) |
| 395808.83 | 3870027.17 | 5.72551c | (13011524) | 395766.13 | 3869994.77 | 5.89484b | (12120524) |
| 395851.47 | 3870034.52 | 6.06728c | (13011524) | 395876.42 | 3870034.52 | 6.08660c | (13011524) |
| 395901.36 | 3870034.52 | 7.20724b | (13020524) | 395926.31 | 3870034.52 | 8.33619b | (13020524) |
| 395951.25 | 3870034.53 | 9.23166b | (13020524) | 395976.19 | 3870034.53 | 9.93348b | (13020524) |
| 396001.14 | 3870034.53 | 10.46202b | (13020524) | 396026.08 | 3870034.53 | 10.85616b | (13020524) |
| 396051.03 | 3870034.53 | 11.14609b | (13020524) | 396075.97 | 3870034.53 | 11.35478b | (13020524) |
| 396100.92 | 3870034.53 | 11.50249b | (13020524) | 396125.86 | 3870034.53 | 11.60526b | (13020524) |
| 396150.81 | 3870034.53 | 11.68991b | (13020524) | 396175.75 | 3870034.54 | 11.74201b | (13020524) |
| 396200.70 | 3870034.54 | 11.77558b | (13020524) | 396225.64 | 3870034.54 | 11.79908b | (13020524) |

396250.59 3870034.54 11.81573b (13020524)
396275.53 3870034.54 11.82864b (13020524)
396300.48 3870034.54 11.84122b (13020524)
396325.42 3870034.54 11.85090b (13020524)
396350.37 3870034.54 11.78975b (13020524)
396375.31 3870034.54 11.79522b (13020524)
396400.26 3870034.55 11.79957b (13020524)
396425.20 3870034.55 11.80316b (13020524)
396450.14 3870034.55 11.80528b (13020524)
396475.09 3870034.55 11.80618b (13020524)
396500.03 3870034.55 11.80553b (13020524)
396524.98 3870034.55 11.89014b (13020124)
396549.92 3870034.55 11.90089b (13020124)
396574.87 3870034.55 11.78108b (13020124)
396599.81 3870034.55 11.84735b (13020124)
396624.76 3870034.56 11.94375b (13020124)
396649.70 3870034.56 11.96880b (13020124)
396674.65 3870034.56 11.95299b (13020124)
396699.59 3870034.56 12.14878b (13020124)
396724.54 3870034.56 12.19030b (13020124)
395808.83 3870052.17 5.64936c (13011524)
395773.43 3870037.48 4.93406b (12120524)
395748.43 3870012.42 5.54306b (12120524)
395851.47 3870059.52 5.91637c (13011524)
395876.41 3870059.52 5.93539c (13011524)
395901.36 3870059.52 6.82486b (13020524)
395926.30 3870059.52 7.95934b (13020524)
395951.25 3870059.53 8.85373b (13020524)
395976.19 3870059.53 9.58246b (13020524)
396001.14 3870059.53 10.14244b (13020524)
396026.08 3870059.53 10.55476b (13020524)
396051.03 3870059.53 10.85478b (13020524)
396075.97 3870059.53 11.07240b (13020524)
396100.92 3870059.53 11.22785b (13020524)
396125.86 3870059.53 11.33679b (13020524)
396150.81 3870059.53 11.43152b (13020524)
396175.75 3870059.54 11.50016b (13020524)
396200.70 3870059.54 11.54166b (13020524)
396225.64 3870059.54 11.56651b (13020524)
396250.59 3870059.54 11.58416b (13020524)
396275.53 3870059.54 11.59722b (13020524)
396300.48 3870059.54 11.60717b (13020524)
396325.42 3870059.54 11.62103b (13020524)
396350.36 3870059.54 11.63156b (13020524)
396375.31 3870059.54 11.57770b (13020524)
396400.25 3870059.55 11.58174b (13020524)
396425.20 3870059.55 11.58514b (13020524)
396450.14 3870059.55 11.58737b (13020524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396475.09 | 3870059.55 | 11.58828b | (13020524) | 396500.03 | 3870059.55 | 11.58754b | (13020524) |
| 396524.98 | 3870059.55 | 11.58436b | (13020524) | 396549.92 | 3870059.55 | 11.68634b | (13020124) |
| 396574.87 | 3870059.55 | 11.65219b | (13020124) | 396599.81 | 3870059.55 | 11.74495b | (13020124) |
| 396624.76 | 3870059.56 | 11.85322b | (13020124) | 396649.70 | 3870059.56 | 11.94550b | (13020124) |
| 396674.65 | 3870059.56 | 11.98956b | (13020124) | 396699.59 | 3870059.56 | 11.88834b | (13020124) |
| 396724.54 | 3870059.56 | 11.94044b | (13020124) | 395805.28 | 3870100.71 | 5.36496c | (13011524) |
| 395784.05 | 3870091.89 | 5.07295c | (13011524) | 395762.81 | 3870083.08 | 4.63287b | (10011124) |
| 395741.57 | 3870074.26 | 4.61485b | (10011124) | 395711.57 | 3870044.19 | 4.99375b | (12120524) |
| 395702.81 | 3870022.93 | 5.33193b | (12120524) | 395694.05 | 3870001.66 | 5.50023b | (12120524) |
| 395685.29 | 3869980.40 | 5.51956b | (12120524) | 395826.52 | 3870109.52 | 5.47997c | (13011524) |
| 395851.47 | 3870109.52 | 5.59002c | (13011524) | 395876.41 | 3870109.52 | 5.62549c | (13011524) |
| 395901.36 | 3870109.52 | 6.07393b | (13020524) | 395926.30 | 3870109.52 | 7.21868b | (13020524) |
| 395951.25 | 3870109.53 | 8.13613b | (13020524) | 395976.19 | 3870109.53 | 8.85702b | (13020524) |
| 396001.14 | 3870109.53 | 9.41572b | (13020524) | 396026.08 | 3870109.53 | 9.89800b | (13020524) |
| 396051.03 | 3870109.53 | 10.25619b | (13020524) | 396075.97 | 3870109.53 | 10.49288b | (13020524) |
| 396100.92 | 3870109.53 | 10.66375b | (13020524) | 396125.86 | 3870109.53 | 10.78477b | (13020524) |

396150.80 3870109.53 10.86910b (13020524)
396175.75 3870109.54 10.92711b (13020524)
396200.69 3870109.54 10.99360b (13020524)
396225.64 3870109.54 11.04831b (13020524)
396250.58 3870109.54 11.07099b (13020524)
396275.53 3870109.54 11.08425b (13020524)
396300.47 3870109.54 11.09394b (13020524)
396325.42 3870109.54 11.10125b (13020524)
396350.36 3870109.54 11.10698b (13020524)
396375.31 3870109.54 11.11677b (13020524)
396400.25 3870109.55 11.12962b (13020524)
396425.20 3870109.55 11.09408b (13020524)
396450.14 3870109.55 11.08826b (13020524)
396475.09 3870109.55 11.08912b (13020524)
396500.03 3870109.55 11.08839b (13020524)
396524.98 3870109.55 11.08552b (13020524)
396549.92 3870109.55 11.07882b (13020524)
396574.86 3870109.55 11.06528b (13020524)
396599.81 3870109.55 11.15412b (13020124)
396624.75 3870109.56 11.28640b (13020124)
396649.70 3870109.56 11.40145b (13020124)
396674.64 3870109.56 11.50018b (13020124)
396699.59 3870109.56 11.58430b (13020124)
396724.53 3870109.56 11.65519b (13020124)
395806.29 3870151.13 5.16144c (13011524)
395765.84 3870134.34 4.71108c (13011524)
395725.38 3870117.55 4.38849b (10011124)
395676.58 3870080.51 4.45642b (12120524)
395659.90 3870040.01 5.06149b (12120524)
395643.22 3869999.51 5.23615b (12120524)
395851.47 3870159.52 5.27161c (13011524)
395876.41 3870159.52 5.31988c (13011524)
395901.36 3870159.52 5.38839b (13020524)
395926.30 3870159.52 6.51019b (13020524)
395951.24 3870159.53 7.44455b (13020524)
395976.19 3870159.53 8.19308b (13020524)
396001.13 3870159.53 8.78093b (13020524)
396026.08 3870159.53 9.24611b (13020524)
396051.02 3870159.53 9.62984b (13020524)
396075.97 3870159.53 9.92749b (13020524)
396100.91 3870159.53 10.11596b (13020524)
396125.86 3870159.53 10.25103b (13020524)
396150.80 3870159.53 10.34585b (13020524)
396175.75 3870159.54 10.41132b (13020524)
396200.69 3870159.54 10.46196b (13020524)
396225.64 3870159.54 10.49507b (13020524)
396250.58 3870159.54 10.52752b (13020524)
396275.53 3870159.54 10.57366b (13020524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396300.47 | 3870159.54 | 10.58701b | (13020524) | 396325.42 | 3870159.54 | 10.59371b | (13020524) |
| 396350.36 | 3870159.54 | 10.59859b | (13020524) | 396375.30 | 3870159.54 | 10.60235b | (13020524) |
| 396400.25 | 3870159.55 | 10.60541b | (13020524) | 396425.19 | 3870159.55 | 10.61222b | (13020524) |
| 396450.14 | 3870159.55 | 10.61447b | (13020524) | 396475.08 | 3870159.55 | 10.62226b | (13020524) |
| 396500.03 | 3870159.55 | 10.58614b | (13020524) | 396524.97 | 3870159.55 | 10.58362b | (13020524) |
| 396549.92 | 3870159.55 | 10.57742b | (13020524) | 396574.86 | 3870159.55 | 10.56421b | (13020524) |
| 396599.81 | 3870159.55 | 10.53651b | (13020524) | 396624.75 | 3870159.56 | 10.49084b | (13020124) |
| 396649.70 | 3870159.56 | 10.62815b | (13020124) | 396674.64 | 3870159.56 | 10.74841b | (13020124) |
| 396699.59 | 3870159.56 | 10.85283b | (13020124) | 396724.53 | 3870159.56 | 10.94310b | (13020124) |
| 395804.39 | 3870200.34 | 4.94658c | (13011524) | 395782.27 | 3870191.16 | 4.82175c | (13011524) |
| 395760.15 | 3870181.98 | 4.58225c | (13011524) | 395738.02 | 3870172.79 | 4.22753c | (13011524) |
| 395715.90 | 3870163.61 | 4.15812b | (10011124) | 395693.77 | 3870154.43 | 4.14591b | (10011124) |
| 395671.65 | 3870145.25 | 4.05900b | (10011124) | 395640.40 | 3870113.92 | 4.02402b | (12120524) |
| 395631.28 | 3870091.77 | 4.38405b | (12120524) | 395622.15 | 3870069.63 | 4.69592b | (12120524) |
| 395613.03 | 3870047.48 | 4.89226b | (12120524) | 395603.90 | 3870025.33 | 4.97589b | (12120524) |
| 395594.78 | 3870003.18 | 4.97902b | (12120524) | 395585.66 | 3869981.04 | 4.94543b | (12120524) |

395826.52 3870209.52 4.98677c (13011524)
395851.46 3870209.52 5.02399c (13011524)
395876.41 3870209.52 5.03645c (13011524)
395901.35 3870209.52 5.06090c (13011524)
395926.30 3870209.52 5.86083b (13020524)
395951.24 3870209.53 6.79151b (13020524)
395976.19 3870209.53 7.56015b (13020524)
396001.13 3870209.53 8.17546b (13020524)
396026.08 3870209.53 8.65712b (13020524)
396051.02 3870209.53 9.04638b (13020524)
396075.97 3870209.53 9.36339b (13020524)
396100.91 3870209.53 9.59848b (13020524)
396125.86 3870209.53 9.75010b (13020524)
396150.80 3870209.53 9.85775b (13020524)
396175.74 3870209.54 9.93260b (13020524)
396200.69 3870209.54 9.98400b (13020524)
396225.63 3870209.54 10.02393b (13020524)
396250.58 3870209.54 10.04679b (13020524)
396275.52 3870209.54 10.06181b (13020524)
396300.47 3870209.54 10.09266b (13020524)
396325.41 3870209.54 10.11721b (13020524)
396350.36 3870209.54 10.12896b (13020524)
396375.30 3870209.54 10.13199b (13020524)
396400.25 3870209.55 10.13408b (13020524)
396425.19 3870209.55 10.13562b (13020524)
396450.14 3870209.55 10.13649b (13020524)
396475.08 3870209.55 10.13684b (13020524)
396500.03 3870209.55 10.14127b (13020524)
396524.97 3870209.55 10.14568b (13020524)
396549.92 3870209.55 10.11038b (13020524)
396574.86 3870209.55 10.09670b (13020524)
396599.81 3870209.55 10.06816b (13020524)
396624.75 3870209.56 10.00921b (13020524)
396649.69 3870209.56 9.89217b (13020524)
396674.64 3870209.56 10.02401b (13020124)
396699.58 3870209.56 10.14927b (13020124)
396724.53 3870209.56 10.25885b (13020124)
395805.06 3870283.95 4.63038c (13011524)
395783.61 3870275.05 4.57466c (13011524)
395762.15 3870266.14 4.44398c (13011524)
395740.70 3870257.24 4.21270c (13011524)
395719.25 3870248.34 3.93482c (13011524)
395697.79 3870239.43 3.76253b (10011124)
395676.34 3870230.53 3.81112b (10011124)
395654.89 3870221.63 3.82758b (10011124)
395633.43 3870212.73 3.79657b (10011124)
395611.98 3870203.82 3.71143b (10011124)
395581.68 3870173.44 3.48024b (10011124)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395572.83 | 3870151.97 | 3.68684b | (12120524) | 395563.98 | 3870130.49 | 3.98391b | (12120524) |
| 395555.13 | 3870109.01 | 4.24084b | (12120524) | 395546.29 | 3870087.54 | 4.43190b | (12120524) |
| 395537.44 | 3870066.06 | 4.55679b | (12120524) | 395528.59 | 3870044.58 | 4.62398b | (12120524) |
| 395519.74 | 3870023.11 | 4.61999b | (12120524) | 395510.89 | 3870001.63 | 4.59660b | (12120524) |
| 395502.05 | 3869980.16 | 4.56152b | (12120524) | 395826.52 | 3870292.85 | 4.64263c | (13011524) |
| 395851.46 | 3870292.85 | 4.66659c | (13011524) | 395876.40 | 3870292.86 | 4.67563c | (13011524) |
| 395901.35 | 3870292.86 | 4.67838c | (13011524) | 395926.29 | 3870292.86 | 4.88760b | (13020524) |
| 395951.24 | 3870292.86 | 5.80639b | (13020524) | 395976.18 | 3870292.86 | 6.59142b | (13020524) |
| 396001.13 | 3870292.86 | 7.23909b | (13020524) | 396026.07 | 3870292.86 | 7.76194b | (13020524) |
| 396051.02 | 3870292.86 | 8.17500b | (13020524) | 396075.96 | 3870292.86 | 8.49464b | (13020524) |
| 396100.91 | 3870292.87 | 8.74063b | (13020524) | 396125.85 | 3870292.87 | 8.96686b | (13020524) |
| 396150.80 | 3870292.87 | 9.11590b | (13020524) | 396175.74 | 3870292.87 | 9.21497b | (13020524) |
| 396200.69 | 3870292.87 | 9.28163b | (13020524) | 396225.63 | 3870292.87 | 9.32695b | (13020524) |
| 396250.58 | 3870292.87 | 9.36147b | (13020524) | 396275.52 | 3870292.87 | 9.38123b | (13020524) |
| 396300.46 | 3870292.87 | 9.39379b | (13020524) | 396325.41 | 3870292.88 | 9.40143b | (13020524) |
| 396350.35 | 3870292.88 | 9.40610b | (13020524) | 396375.30 | 3870292.88 | 9.41625b | (13020524) |

396400.24 3870292.88 9.44187b (13020524)
396425.19 3870292.88 9.44841b (13020524)
396450.13 3870292.88 9.44969b (13020524)
396475.08 3870292.88 9.44943b (13020524)
396500.02 3870292.88 9.44825b (13020524)
396524.97 3870292.88 9.44506b (13020524)
396549.91 3870292.89 9.43773b (13020524)
396574.86 3870292.89 9.42210b (13020524)
396599.80 3870292.89 9.39059b (13020524)
396624.75 3870292.89 9.32857b (13020524)
396649.69 3870292.89 9.21143b (13020524)
396674.64 3870292.89 9.00203b (13020524)
396699.58 3870292.89 9.04853b (13020124)
396724.53 3870292.89 9.19148b (13020124)
395803.82 3870366.77 4.34881c (13011524)
395781.13 3870357.35 4.31817c (13011524)
395758.44 3870347.94 4.22843c (13011524)
395735.75 3870338.52 4.06683c (13011524)
395713.05 3870329.10 3.86122c (13011524)
395690.36 3870319.69 3.58969c (13011524)
395667.67 3870310.27 3.47421b (10011124)
395644.98 3870300.85 3.53255b (10011124)
395622.29 3870291.44 3.56745b (10011124)
395599.60 3870282.02 3.56679b (10011124)
395576.91 3870272.60 3.34328b (10011124)
395554.22 3870263.19 3.20200b (10011124)
395522.17 3870231.05 2.96033b (10011124)
395512.81 3870208.34 2.93336b (12120524)
395503.45 3870185.62 3.19656b (12120524)
395494.09 3870162.91 3.45047b (12120524)
395484.73 3870140.19 3.70649b (12120524)
395475.37 3870117.48 3.88178b (12120524)
395466.02 3870094.76 4.25074b (12120524)
395456.66 3870072.05 4.29831b (12120524)
395447.30 3870049.33 4.30233b (12120524)
395437.94 3870026.62 4.28306b (12120524)
395428.58 3870003.90 4.25318b (12120524)
395419.22 3869981.18 4.21871b (12120524)
395826.51 3870376.19 4.34968c (13011524)
395851.46 3870376.19 4.36564c (13011524)
395876.40 3870376.19 4.37188c (13011524)
395901.35 3870376.19 4.37360c (13011524)
395926.29 3870376.19 4.37276c (13011524)
395951.24 3870376.19 4.95334b (13020524)
395976.18 3870376.19 5.68975b (13020524)
396001.12 3870376.19 6.38282b (13020524)
396026.07 3870376.20 6.94759b (13020524)
396051.01 3870376.20 7.39563b (13020524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396075.96 | 3870376.20 | 7.75267b | (13020524) | 396100.90 | 3870376.20 | 8.03075b | (13020524) |
| 396125.85 | 3870376.20 | 8.24387b | (13020524) | 396150.79 | 3870376.20 | 8.40398b | (13020524) |
| 396175.74 | 3870376.20 | 8.55513b | (13020524) | 396200.68 | 3870376.20 | 8.66273b | (13020524) |
| 396225.63 | 3870376.20 | 8.72389b | (13020524) | 396250.57 | 3870376.21 | 8.76542b | (13020524) |
| 396275.52 | 3870376.21 | 8.79637b | (13020524) | 396300.46 | 3870376.21 | 8.81461b | (13020524) |
| 396325.41 | 3870376.21 | 8.82620b | (13020524) | 396350.35 | 3870376.21 | 8.83322b | (13020524) |
| 396375.30 | 3870376.21 | 8.83737b | (13020524) | 396400.24 | 3870376.21 | 8.83963b | (13020524) |
| 396425.18 | 3870376.21 | 8.84048b | (13020524) | 396450.13 | 3870376.21 | 8.84062b | (13020524) |
| 396475.07 | 3870376.22 | 8.85850b | (13020524) | 396500.02 | 3870376.22 | 8.86866b | (13020524) |
| 396524.96 | 3870376.22 | 8.86467b | (13020524) | 396549.91 | 3870376.22 | 8.85552b | (13020524) |
| 396574.85 | 3870376.22 | 8.83761b | (13020524) | 396599.80 | 3870376.22 | 8.80316b | (13020524) |
| 396624.74 | 3870376.22 | 8.73896b | (13020524) | 396649.69 | 3870376.22 | 8.62506b | (13020524) |
| 396674.63 | 3870376.22 | 8.43414b | (13020524) | 396699.58 | 3870376.23 | 8.13531b | (13020524) |
| 396724.52 | 3870376.23 | 8.17605b | (13020124) | 395804.38 | 3870450.34 | 4.07527c | (13011524) |
| 395782.26 | 3870441.16 | 4.06053c | (13011524) | 395760.14 | 3870431.98 | 4.02167c | (13011524) |
| 395738.01 | 3870422.79 | 3.94488c | (13011524) | 395715.89 | 3870413.61 | 3.82117c | (13011524) |

395693.76 3870404.43 3.64470c (13011524)
395671.64 3870395.25 3.29224c (13011524)
395649.52 3870386.07 3.04152b (10011124)
395627.39 3870376.89 3.07836b (10011124)
395605.27 3870367.71 3.11304b (10011124)
395583.14 3870358.53 3.15262b (10011124)
395561.02 3870349.34 3.17074b (10011124)
395538.90 3870340.16 3.15556b (10011124)
395516.77 3870330.98 3.09857b (10011124)
395494.65 3870321.80 3.00155b (10011124)
395463.40 3870290.47 2.77190b (10011124)
395454.27 3870268.32 2.66365b (10011124)
395445.15 3870246.18 2.74455b (12120524)
395436.03 3870224.03 2.99186b (12120524)
395426.90 3870201.88 3.22733b (12120524)
395417.78 3870179.73 3.43097b (12120524)
395408.65 3870157.59 3.58127b (12120524)
395399.53 3870135.44 3.66925b (12120524)
395390.40 3870113.29 3.70394b (12120524)
395381.28 3870091.14 3.70515b (12120524)
395372.15 3870069.00 3.69094b (12120524)
395363.03 3870046.85 3.67156b (12120524)
395353.91 3870024.70 3.66118b (12120524)
395344.78 3870002.55 3.66537b (12120524)
395335.66 3869980.41 3.66657b (12120524)
395826.51 3870459.52 4.07302c (13011524)
395851.45 3870459.52 4.08407c (13011524)
395876.40 3870459.52 4.10205c (13011524)
395901.34 3870459.52 4.11232c (13011524)
395926.29 3870459.52 4.10998c (13011524)
395951.23 3870459.53 4.28956b (13020524)
395976.18 3870459.53 4.97975b (13020524)
396001.12 3870459.53 5.60855b (13020524)
396026.07 3870459.53 6.16671b (13020524)
396051.01 3870459.53 6.65843b (13020524)
396075.95 3870459.53 7.07139b (13020524)
396100.90 3870459.53 7.38200b (13020524)
396125.84 3870459.53 7.62595b (13020524)
396150.79 3870459.53 7.81413b (13020524)
396175.73 3870459.54 7.95633b (13020524)
396200.68 3870459.54 8.06222b (13020524)
396225.62 3870459.54 8.13950b (13020524)
396250.57 3870459.54 8.19488b (13020524)
396275.51 3870459.54 8.24252b (13020524)
396300.46 3870459.54 8.30021b (13020524)
396325.40 3870459.54 8.32668b (13020524)
396350.35 3870459.54 8.33805b (13020524)
396375.29 3870459.54 8.34504b (13020524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396400.24 | 3870459.55 | 8.34912b | (13020524) | 396425.18 | 3870459.55 | 8.35132b | (13020524) |
| 396450.13 | 3870459.55 | 8.35205b | (13020524) | 396475.07 | 3870459.55 | 8.35136b | (13020524) |
| 396500.02 | 3870459.55 | 8.34891b | (13020524) | 396524.96 | 3870459.55 | 8.34347b | (13020524) |
| 396549.90 | 3870459.55 | 8.33275b | (13020524) | 396574.85 | 3870459.55 | 8.31834b | (13020524) |
| 396599.79 | 3870459.55 | 8.29667b | (13020524) | 396624.74 | 3870459.56 | 8.23700b | (13020524) |
| 396649.68 | 3870459.56 | 8.12835b | (13020524) | 396674.63 | 3870459.56 | 7.95502b | (13020524) |
| 396699.57 | 3870459.56 | 7.69541b | (13020524) | 396724.52 | 3870459.56 | 7.33509b | (13120224) |
| 395804.37 | 3870700.34 | 3.22916c | (13011524) | 395782.25 | 3870691.16 | 3.23875c | (13011524) |
| 395760.12 | 3870681.98 | 3.24913c | (13011524) | 395738.00 | 3870672.79 | 3.25522c | (13011524) |
| 395715.88 | 3870663.61 | 3.25249c | (13011524) | 395693.75 | 3870654.43 | 3.23418c | (13011524) |
| 395671.63 | 3870645.25 | 3.19156c | (13011524) | 395649.50 | 3870636.07 | 3.11502c | (13011524) |
| 395627.38 | 3870626.89 | 2.97575c | (13011524) | 395605.26 | 3870617.71 | 2.79819c | (13011524) |
| 395583.13 | 3870608.53 | 2.56102c | (13011524) | 395561.01 | 3870599.34 | 2.40075b | (10011124) |
| 395538.88 | 3870590.16 | 2.47577b | (10011124) | 395516.76 | 3870580.98 | 2.54318b | (10011124) |
| 395494.64 | 3870571.80 | 2.60242b | (10011124) | 395472.51 | 3870562.62 | 2.65247b | (10011124) |
| 395450.39 | 3870553.44 | 2.65138b | (10011124) | 395428.26 | 3870544.26 | 2.64995b | (10011124) |

395406.14 3870535.08 2.65282b (10011124)
395384.02 3870525.89 2.63038b (10011124)
395361.89 3870516.71 2.58008b (10011124)
395339.77 3870507.53 2.48244b (10011124)
395317.64 3870498.35 2.34039b (10011124)
395286.40 3870467.02 2.14661b (10011124)
395277.27 3870444.87 2.05490b (10011124)
395268.15 3870422.73 1.96139b (10011124)
395259.02 3870400.58 1.86706b (10011124)
395249.90 3870378.43 1.98680b (12120524)
395240.77 3870356.28 2.19571b (12120524)
395231.65 3870334.14 2.37352b (12120524)
395222.52 3870311.99 2.55503b (12120524)
395213.40 3870289.84 2.74187b (12120524)
395204.28 3870267.69 2.89480b (12120524)
395195.15 3870245.55 3.00879b (12120524)
395186.03 3870223.40 3.07284b (12120524)
395176.90 3870201.25 3.09726b (12120524)
395167.78 3870179.10 3.10164b (12120524)
395158.65 3870156.96 3.11264b (12120524)
395149.53 3870134.81 3.11720b (12120524)
395140.40 3870112.66 3.14061b (12120524)
395131.28 3870090.51 3.13254b (12120524)
395122.15 3870068.37 3.12654b (12120524)
395113.03 3870046.22 3.10681b (12120524)
395103.91 3870024.07 3.08390b (12120524)
395094.78 3870001.92 3.05644b (12120524)
395085.66 3869979.78 3.02285b (12120524)
395826.50 3870709.52 3.21290c (13011524)
395851.44 3870709.52 3.26866c (13011524)
395876.39 3870709.52 3.48443c (13011524)
395901.33 3870709.52 3.47756c (13011524)
395926.28 3870709.52 3.46573c (13011524)
395951.22 3870709.53 3.45022c (13011524)
395976.16 3870709.53 3.42977c (13011524)
396001.11 3870709.53 3.91779b (13020524)
396026.05 3870709.53 4.41144b (13020524)
396051.00 3870709.53 4.86949b (13020524)
396075.94 3870709.53 5.28307b (13020524)
396100.89 3870709.53 5.65136b (13020524)
396125.83 3870709.53 5.99342b (13020524)
396150.78 3870709.53 6.25734b (13020524)
396175.72 3870709.54 6.46906b (13020524)
396200.67 3870709.54 6.63907b (13020524)
396225.61 3870709.54 6.77271b (13020524)
396250.56 3870709.54 6.87657b (13020524)
396275.50 3870709.54 6.95586b (13020524)
396300.45 3870709.54 7.01514b (13020524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396325.39 | 3870709.54 | 7.05930b | (13020524) | 396350.34 | 3870709.54 | 7.09685b | (13020524) |
| 396375.28 | 3870709.54 | 7.11972b | (13020524) | 396400.23 | 3870709.55 | 7.13546b | (13020524) |
| 396425.17 | 3870709.55 | 7.14584b | (13020524) | 396450.11 | 3870709.55 | 7.15199b | (13020524) |
| 396475.06 | 3870709.55 | 7.15452b | (13020524) | 396500.00 | 3870709.55 | 7.16617b | (13020524) |
| 396524.95 | 3870709.55 | 7.18161b | (13020524) | 396549.89 | 3870709.55 | 7.16893b | (13020524) |
| 396574.84 | 3870709.55 | 7.14654b | (13020524) | 396599.78 | 3870709.55 | 7.10924b | (13020524) |
| 396624.73 | 3870709.56 | 7.05090b | (13020524) | 396649.67 | 3870709.56 | 6.96418b | (13020524) |
| 396674.62 | 3870709.56 | 6.83908b | (13020524) | 396699.56 | 3870709.56 | 6.66193b | (13020524) |
| 396724.51 | 3870709.56 | 6.42637b | (13020524) | 395803.65 | 3870950.04 | 2.82455c | (13011524) |
| 395780.81 | 3870940.57 | 2.83641c | (13011524) | 395757.97 | 3870931.09 | 2.84716c | (13011524) |
| 395735.13 | 3870921.61 | 2.85420c | (13011524) | 395712.30 | 3870912.13 | 2.86429c | (13011524) |
| 395689.46 | 3870902.66 | 2.83536c | (13011524) | 395666.62 | 3870893.18 | 2.81545c | (13011524) |
| 395643.78 | 3870883.70 | 2.76961c | (13011524) | 395620.95 | 3870874.22 | 2.74071c | (13011524) |
| 395598.11 | 3870864.75 | 2.69102c | (13011524) | 395575.27 | 3870855.27 | 2.61506c | (13011524) |
| 395552.43 | 3870845.79 | 2.50642c | (13011524) | 395529.60 | 3870836.31 | 2.36408c | (13011524) |
| 395506.76 | 3870826.84 | 2.19107c | (13011524) | 395483.92 | 3870817.36 | 1.99376c | (13011524) |

395461.08 3870807.88 1.94487b (10011124)
395438.24 3870798.40 2.02561b (10011124)
395415.41 3870788.93 2.07052b (10011124)
395392.57 3870779.45 2.12899b (10011124)
395369.73 3870769.97 2.19003b (10011124)
395346.89 3870760.49 2.24299b (10011124)
395324.06 3870751.02 2.28646b (10011124)
395301.22 3870741.54 2.31844b (10011124)
395278.38 3870732.06 2.33582b (10011124)
395255.54 3870722.58 2.32777b (10011124)
395232.70 3870713.11 2.26167b (10011124)
395209.87 3870703.63 2.21187b (10011124)
395187.03 3870694.15 2.14853b (10011124)
395164.19 3870684.67 2.06870b (10011124)
395141.35 3870675.20 1.97736b (10011124)
395109.10 3870642.86 1.74293b (10011124)
395099.68 3870619.99 1.64290b (10011124)
395090.26 3870597.13 1.52238b (10011124)
395080.84 3870574.27 1.34962b (10011124)
395071.42 3870551.41 1.13380b (10011124)
395062.00 3870528.55 0.76952b (12120524)
395052.58 3870505.68 0.62427b (12120524)
395043.17 3870482.82 0.52516b (12120524)
395033.75 3870459.96 0.48902b (12120524)
395024.33 3870437.10 0.58708b (12120524)
395014.91 3870414.24 0.85050b (12120524)
395005.49 3870391.38 1.32205b (12120524)
394996.07 3870368.51 1.95014b (12120524)
394986.65 3870345.65 2.47670b (12120524)
394977.23 3870322.79 2.59593b (12120524)
394967.82 3870299.93 2.65190b (12120524)
394958.40 3870277.07 2.66190b (12120524)
394948.98 3870254.20 2.66141b (12120524)
394939.56 3870231.34 2.65531b (12120524)
394930.14 3870208.48 2.69364b (12120524)
394920.72 3870185.62 2.71576b (12120524)
394911.30 3870162.76 2.70184b (12120524)
394901.88 3870139.89 2.68527b (12120524)
394892.46 3870117.03 2.66499b (12120524)
394883.05 3870094.17 2.63965b (12120524)
394873.63 3870071.31 2.61692b (12120524)
394864.21 3870048.45 2.61322b (12120524)
394854.79 3870025.58 2.56623b (12120524)
394845.37 3870002.72 2.51165b (12120524)
394835.95 3869979.86 2.43522b (12120524)
395826.49 3870959.52 2.81140c (13011524)
395851.43 3870959.52 2.80667c (13011524)
395876.37 3870959.52 2.82224c (13011524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395901.32 | 3870959.52 | 2.84063c | (13011524) | 395926.26 | 3870959.52 | 2.84267c | (13011524) |
| 395951.21 | 3870959.53 | 2.82107c | (13011524) | 395976.15 | 3870959.53 | 2.79236c | (13011524) |
| 396001.10 | 3870959.53 | 2.75498c | (13011524) | 396026.04 | 3870959.53 | 2.87067b | (13020524) |
| 396050.99 | 3870959.53 | 3.33806b | (13020524) | 396075.93 | 3870959.53 | 3.77209b | (13020524) |
| 396100.88 | 3870959.53 | 4.15794b | (13020524) | 396125.82 | 3870959.53 | 4.48814b | (13020524) |
| 396150.77 | 3870959.53 | 4.81097b | (13020524) | 396175.71 | 3870959.54 | 5.05250b | (13020524) |
| 396200.66 | 3870959.54 | 5.25140b | (13020524) | 396225.60 | 3870959.54 | 5.66177b | (13020524) |
| 396250.55 | 3870959.54 | 5.81342b | (13020524) | 396275.49 | 3870959.54 | 5.93662b | (13020524) |
| 396300.44 | 3870959.54 | 6.03592b | (13020524) | 396325.38 | 3870959.54 | 6.11384b | (13020524) |
| 396350.32 | 3870959.54 | 6.17471b | (13020524) | 396375.27 | 3870959.54 | 6.22703b | (13020524) |
| 396400.21 | 3870959.55 | 6.26197b | (13020524) | 396425.16 | 3870959.55 | 6.28727b | (13020524) |
| 396450.10 | 3870959.55 | 6.31849b | (13020524) | 396475.05 | 3870959.55 | 6.34319b | (13020524) |
| 396499.99 | 3870959.55 | 6.34986b | (13020524) | 396524.94 | 3870959.55 | 6.33373b | (13020524) |
| 396549.88 | 3870959.55 | 6.30829b | (13020524) | 396574.83 | 3870959.55 | 6.31833b | (13020524) |
| 396599.77 | 3870959.55 | 6.29103b | (13020524) | 396624.72 | 3870959.56 | 6.24283b | (13020524) |
| 396649.66 | 3870959.56 | 6.17307b | (13020524) | 396674.61 | 3870959.56 | 6.07673b | (13020524) |

396699.55 3870959.56 5.94903b (13020524)
396724.50 3870959.56 5.78448b (13020524)
395803.94 3871350.17 2.29491c (13011524)
395781.42 3871340.82 2.31715c (13011524)
395758.89 3871331.48 2.33492c (13011524)
395736.36 3871322.13 2.34931c (13011524)
395713.84 3871312.78 2.36105c (13011524)
395691.31 3871303.43 2.37079c (13011524)
395668.78 3871294.08 2.37887c (13011524)
395646.26 3871284.73 2.38532c (13011524)
395623.73 3871275.39 2.38985c (13011524)
395601.20 3871266.04 2.39168c (13011524)
395578.68 3871256.69 2.37894c (13011524)
395556.15 3871247.34 2.36796c (13011524)
395533.63 3871237.99 2.31491c (13011524)
395511.10 3871228.64 2.27603c (13011524)
395488.57 3871219.30 2.21529c (13011524)
395466.05 3871209.95 2.15225c (13011524)
395443.52 3871200.60 2.06799c (13011524)
395420.99 3871191.25 1.96180c (13011524)
395398.47 3871181.90 1.83493c (13011524)
395375.94 3871172.56 1.69041c (13011524)
395353.42 3871163.21 1.53306c (13011524)
395330.89 3871153.86 1.36787c (13011524)
395308.36 3871144.51 1.34105b (10011124)
395285.84 3871135.16 1.42117b (10011124)
395263.31 3871125.81 1.49906b (10011124)
395240.78 3871116.47 1.57411b (10011124)
395218.26 3871107.12 1.64565b (10011124)
395195.73 3871097.77 1.70841b (10011124)
395173.21 3871088.42 1.74999b (10011124)
395150.68 3871079.07 1.80104b (10011124)
395128.15 3871069.73 1.84229b (10011124)
395105.63 3871060.38 1.87973b (10011124)
395083.10 3871051.03 1.89712b (10011124)
395060.57 3871041.68 1.90835b (10011124)
395038.05 3871032.33 1.90526b (10011124)
395015.52 3871022.98 1.89650b (10011124)
394992.99 3871013.64 1.83965b (10011124)
394970.47 3871004.29 1.80178b (10011124)
394947.94 3870994.94 1.75665b (10011124)
394925.42 3870985.59 1.69945b (10011124)
394902.89 3870976.24 1.63270b (10011124)
394880.36 3870966.89 1.52722b (10011124)
394857.84 3870957.55 1.43331b (10011124)
394826.02 3870925.65 1.28893b (10011124)
394816.73 3870903.10 1.22106b (10011124)
394807.44 3870880.55 1.15271b (10011124)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 394798.15 | 3870858.00 | 1.08414b | (10011124) | 394788.86 | 3870835.45 | 0.99849b | (10011124) |
| 394779.57 | 3870812.90 | 0.91167b | (10011124) | 394770.28 | 3870790.35 | 0.84498b | (10011124) |
| 394760.99 | 3870767.80 | 0.77824b | (10011124) | 394751.70 | 3870745.25 | 0.77068b | (12120524) |
| 394742.41 | 3870722.70 | 0.87131b | (12120524) | 394733.12 | 3870700.15 | 0.98294b | (12120524) |
| 394723.83 | 3870677.60 | 1.06505b | (12120524) | 394714.54 | 3870655.05 | 1.07876b | (12120524) |
| 394705.25 | 3870632.50 | 1.03863b | (12120524) | 394695.96 | 3870609.95 | 0.95687b | (12120524) |
| 394686.66 | 3870587.39 | 0.86807b | (12120524) | 394677.37 | 3870564.84 | 0.73526b | (12120524) |
| 394668.08 | 3870542.29 | 0.60406b | (12120524) | 394658.79 | 3870519.74 | 0.47388b | (13101724) |
| 394649.50 | 3870497.19 | 0.48347b | (13101724) | 394640.21 | 3870474.64 | 0.49432b | (13101724) |
| 394630.92 | 3870452.09 | 0.58837b | (12120524) | 394621.63 | 3870429.54 | 0.79156b | (12120524) |
| 394612.34 | 3870406.99 | 1.06402b | (12120524) | 394603.05 | 3870384.44 | 1.33927b | (12120524) |
| 394593.76 | 3870361.89 | 1.57697b | (12120524) | 394584.47 | 3870339.34 | 1.81000b | (12120524) |
| 394575.18 | 3870316.79 | 1.97105b | (12120524) | 394565.89 | 3870294.24 | 2.02870b | (12120524) |
| 394556.60 | 3870271.69 | 2.10786b | (12120524) | 394547.31 | 3870249.14 | 2.17525b | (12120524) |
| 394538.02 | 3870226.59 | 2.18868b | (12120524) | 394528.73 | 3870204.04 | 2.18877b | (12120524) |
| 394519.44 | 3870181.49 | 2.16043b | (12120524) | 394510.15 | 3870158.94 | 2.10339b | (12120524) |

394500.86 3870136.39 2.02326b (12120524)
394491.57 3870113.84 1.93235b (12120524)
394482.28 3870091.29 1.83158b (12120524)
394472.99 3870068.74 1.73913b (12120524)
394463.70 3870046.19 1.64494b (12120524)
394454.41 3870023.64 1.54228b (12120524)
394445.12 3870001.09 1.42872b (12120524)
394435.82 3869978.54 1.30146b (12120524)
395826.47 3871359.52 2.26708c (13011524)
395851.41 3871359.52 2.23972c (13011524)
395876.36 3871359.52 2.20476c (13011524)
395901.30 3871359.52 2.16521c (13011524)
395926.25 3871359.52 2.12647c (13011524)
395951.19 3871359.53 2.08875c (13011524)
395976.14 3871359.53 2.00917c (13011524)
396001.08 3871359.53 1.91693c (13011524)
396026.03 3871359.53 1.85632c (10012824)
396050.97 3871359.53 1.88039b (13020524)
396075.91 3871359.53 2.23956b (13020524)
396100.86 3871359.53 2.59638b (13020524)
396125.80 3871359.53 2.93690b (13020524)
396150.75 3871359.53 3.32510b (13020524)
396175.69 3871359.54 3.63633b (13020524)
396200.64 3871359.54 3.88293b (13020524)
396225.58 3871359.54 4.09060b (13020524)
396250.53 3871359.54 4.26066b (13020524)
396275.47 3871359.54 4.39626b (13020524)
396300.42 3871359.54 4.50165b (13020524)
396325.36 3871359.54 4.58143b (13020524)
396350.31 3871359.54 4.69042b (13020524)
396375.25 3871359.54 4.81785b (13020524)
396400.20 3871359.55 4.85263b (13020524)
396425.14 3871359.55 4.89291b (13020524)
396450.09 3871359.55 4.90996b (13020524)
396475.03 3871359.55 4.92138b (13020524)
396499.98 3871359.55 4.92875b (13020524)
396524.92 3871359.55 4.93328b (13020524)
396549.86 3871359.55 4.93550b (13020524)
396574.81 3871359.55 4.93541b (13020524)
396599.75 3871359.55 4.93321b (13020524)
396624.70 3871359.56 4.92707b (13020524)
396649.64 3871359.56 4.92495b (13020524)
396674.59 3871359.56 4.93616b (13020524)
396699.53 3871359.56 5.14899b (13020524)
396724.48 3871359.56 5.04781b (13020524)
395803.69 3871750.08 1.80920c (13011524)
395780.94 3871740.63 1.85170c (13011524)
395758.18 3871731.19 1.91854c (13011524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395735.43 | 3871721.75 | 1.96533c | (13011524) | 395712.67 | 3871712.30 | 1.99917c | (13011524) |
| 395689.91 | 3871702.86 | 2.02662c | (13011524) | 395667.16 | 3871693.41 | 2.04864c | (13011524) |
| 395644.40 | 3871683.97 | 2.06624c | (13011524) | 395621.64 | 3871674.53 | 2.08024c | (13011524) |
| 395598.89 | 3871665.08 | 2.09127c | (13011524) | 395576.13 | 3871655.64 | 2.08199c | (13011524) |
| 395553.38 | 3871646.20 | 2.08441c | (13011524) | 395530.62 | 3871636.75 | 2.10756c | (13011524) |
| 395507.86 | 3871627.31 | 2.06644c | (13011524) | 395485.11 | 3871617.87 | 2.04565c | (13011524) |
| 395462.35 | 3871608.42 | 2.03838c | (13011524) | 395439.60 | 3871598.98 | 2.02448c | (13011524) |
| 395416.84 | 3871589.53 | 2.00180c | (13011524) | 395394.08 | 3871580.09 | 1.93654c | (13011524) |
| 395371.33 | 3871570.65 | 1.85970c | (13011524) | 395348.57 | 3871561.20 | 1.80022c | (13011524) |
| 395325.81 | 3871551.76 | 1.72479c | (13011524) | 395303.06 | 3871542.32 | 1.63338c | (13011524) |
| 395280.30 | 3871532.87 | 1.52686c | (13011524) | 395257.55 | 3871523.43 | 1.40672c | (13011524) |
| 395234.79 | 3871513.99 | 1.27902c | (13011524) | 395212.03 | 3871504.54 | 1.12886c | (13011524) |
| 395189.28 | 3871495.10 | 0.98695c | (13011524) | 395166.52 | 3871485.66 | 0.83811c | (13011524) |
| 395143.77 | 3871476.21 | 0.88830b | (10011124) | 395121.01 | 3871466.77 | 0.96084b | (10011124) |
| 395098.25 | 3871457.32 | 1.03257b | (10011124) | 395075.50 | 3871447.88 | 1.10034b | (10011124) |
| 395052.74 | 3871438.44 | 1.16029b | (10011124) | 395029.98 | 3871428.99 | 1.21704b | (10011124) |

395007.23 3871419.55 1.27439b (10011124)
394984.47 3871410.11 1.33101b (10011124)
394961.72 3871400.66 1.38868b (10011124)
394938.96 3871391.22 1.44235b (10011124)
394916.20 3871381.78 1.48111b (10011124)
394893.45 3871372.33 1.51816b (10011124)
394870.69 3871362.89 1.52808b (10011124)
394847.94 3871353.44 1.55510b (10011124)
394825.18 3871344.00 1.57562b (10011124)
394802.42 3871334.56 1.58656b (10011124)
394779.67 3871325.11 1.58677b (10011124)
394756.91 3871315.67 1.53847b (10011124)
394734.15 3871306.23 1.50344b (10011124)
394711.40 3871296.78 1.47019b (10011124)
394688.64 3871287.34 1.42607b (10011124)
394665.89 3871277.90 1.34136b (10011124)
394643.13 3871268.45 1.27188b (10011124)
394620.37 3871259.01 1.21174b (10011124)
394597.62 3871249.56 1.14889b (10011124)
394574.86 3871240.12 1.08441b (10011124)
394542.72 3871207.90 0.96155b (10011124)
394533.34 3871185.12 0.90366b (10011124)
394523.95 3871162.34 0.84551b (10011124)
394514.56 3871139.56 0.78727b (10011124)
394505.18 3871116.78 0.72895b (10011124)
394495.79 3871094.00 0.67066b (10011124)
394486.41 3871071.22 0.61250b (10011124)
394477.02 3871048.44 0.54172b (10011124)
394467.64 3871025.65 0.48161b (10011124)
394458.25 3871002.87 0.42824b (10011124)
394448.87 3870980.09 0.38076b (12120524)
394439.48 3870957.31 0.45664b (12120524)
394430.10 3870934.53 0.53618b (12120524)
394420.71 3870911.75 0.61839b (12120524)
394411.33 3870888.97 0.70232b (12120524)
394401.94 3870866.19 0.77330b (12120524)
394392.56 3870843.41 0.84392b (12120524)
394383.17 3870820.63 0.89595b (12120524)
394373.79 3870797.85 0.94060b (12120524)
394364.40 3870775.07 0.93213b (12120524)
394355.02 3870752.29 0.87886b (12120524)
394345.63 3870729.51 0.77699b (12120524)
394336.25 3870706.73 0.64716b (12120524)
394326.86 3870683.95 0.52257b (12120524)
394317.48 3870661.17 0.46001b (13101724)
394308.09 3870638.39 0.46611b (13101724)
394298.71 3870615.61 0.47142b (13101724)
394289.32 3870592.83 0.47839b (13101724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 394279.94 | 3870570.05 | 0.48329b | (13101724) | 394270.55 | 3870547.27 | 0.54318b | (12120524) |
| 394261.17 | 3870524.49 | 0.69547b | (12120524) | 394251.78 | 3870501.71 | 0.88192b | (12120524) |
| 394242.39 | 3870478.93 | 1.06290b | (12120524) | 394233.01 | 3870456.15 | 1.24140b | (12120524) |
| 394223.62 | 3870433.37 | 1.32719b | (12120524) | 394214.24 | 3870410.59 | 1.38960b | (12120524) |
| 394204.85 | 3870387.81 | 1.40576b | (12120524) | 394195.47 | 3870365.03 | 1.38601b | (12120524) |
| 394186.08 | 3870342.25 | 1.39502b | (12120524) | 394176.70 | 3870319.47 | 1.47127b | (12120524) |
| 394167.31 | 3870296.68 | 1.47673b | (12120524) | 394157.93 | 3870273.90 | 1.44559b | (12120524) |
| 394148.54 | 3870251.12 | 1.36970b | (12120524) | 394139.16 | 3870228.34 | 1.27779b | (12120524) |
| 394129.77 | 3870205.56 | 1.20207b | (12120524) | 394120.39 | 3870182.78 | 1.12427b | (12120524) |
| 394111.00 | 3870160.00 | 1.04825b | (12120524) | 394101.62 | 3870137.22 | 0.97164b | (12120524) |
| 394092.23 | 3870114.44 | 0.86937b | (12120524) | 394082.85 | 3870091.66 | 0.77948b | (12120524) |
| 394073.46 | 3870068.88 | 0.68892b | (12120524) | 394064.08 | 3870046.10 | 0.61455b | (13121724) |
| 394054.69 | 3870023.32 | 0.63280b | (13121724) | 394045.31 | 3870000.54 | 0.64927b | (13121724) |
| 394035.92 | 3869977.76 | 0.66355b | (13121724) | 395826.45 | 3871759.52 | 1.74659c | (13011524) |
| 395851.39 | 3871759.52 | 1.67083c | (13011524) | 395876.34 | 3871759.52 | 1.59676c | (10012824) |
| 395901.28 | 3871759.52 | 1.59675c | (10012824) | 395926.23 | 3871759.52 | 1.59431c | (10012824) |

395951.17 3871759.53 1.59090c (10012824)
395976.12 3871759.53 1.58595c (10012824)
396001.06 3871759.53 1.57865c (10012824)
396026.01 3871759.53 1.56786c (10012824)
396050.95 3871759.53 1.55218c (10012824)
396075.90 3871759.53 1.53442c (10012824)
396100.84 3871759.53 1.59761b (13020524)
396125.79 3871759.53 1.89028b (13020524)
396150.73 3871759.53 2.17756b (13020524)
396175.68 3871759.54 2.45589b (13020524)
396200.62 3871759.54 2.71853b (13020524)
396225.57 3871759.54 2.95944b (13020524)
396250.51 3871759.54 3.17386b (13020524)
396275.45 3871759.54 3.35969b (13020524)
396300.40 3871759.54 3.51645b (13020524)
396325.34 3871759.54 3.64534b (13020524)
396350.29 3871759.54 3.74876b (13020524)
396375.23 3871759.54 3.85015b (13020524)
396400.18 3871759.55 4.02596b (13020524)
396425.12 3871759.55 4.08928b (13020524)
396450.07 3871759.55 4.12974b (13020524)
396475.01 3871759.55 4.15754b (13020524)
396499.96 3871759.55 4.17741b (13020524)
396524.90 3871759.55 4.19088b (13020524)
396549.85 3871759.55 4.19997b (13020524)
396574.79 3871759.55 4.20567b (13020524)
396599.74 3871759.55 4.27978b (13020524)
396624.68 3871759.56 4.31940b (13020524)
396649.63 3871759.56 4.32309b (13020524)
396674.57 3871759.56 4.31465b (13020524)
396699.52 3871759.56 4.29983b (13020524)
396724.46 3871759.56 4.27633b (13020524)
395803.53 3872150.01 1.37179c (10012824)
395780.62 3872140.51 1.37580c (10012824)
395757.72 3872131.00 1.37963c (10012824)
395734.81 3872121.50 1.40836c (13011524)
395711.91 3872111.99 1.47639c (13011524)
395689.00 3872102.49 1.53564c (13011524)
395666.10 3872092.98 1.58640c (13011524)
395643.19 3872083.48 1.62917c (13011524)
395620.29 3872073.97 1.66468c (13011524)
395597.38 3872064.47 1.69363c (13011524)
395574.48 3872054.96 1.71694c (13011524)
395551.57 3872045.46 1.73546c (13011524)
395528.67 3872035.95 1.75001c (13011524)
395505.76 3872026.45 1.76126c (13011524)
395482.86 3872016.94 1.76974c (13011524)
395459.95 3872007.43 1.75543c (13011524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395437.05 | 3871997.93 | 1.71330c | (13011524) | 395414.14 | 3871988.42 | 1.71725c | (13011524) |
| 395391.24 | 3871978.92 | 1.71307c | (13011524) | 395368.33 | 3871969.41 | 1.70820c | (13011524) |
| 395345.43 | 3871959.91 | 1.69878c | (13011524) | 395322.52 | 3871950.40 | 1.68341c | (13011524) |
| 395299.62 | 3871940.90 | 1.66045c | (13011524) | 395276.71 | 3871931.39 | 1.62821c | (13011524) |
| 395253.81 | 3871921.89 | 1.57370c | (13011524) | 395230.91 | 3871912.38 | 1.47298c | (13011524) |
| 395208.00 | 3871902.88 | 1.40669c | (13011524) | 395185.10 | 3871893.37 | 1.32911c | (13011524) |
| 395162.19 | 3871883.87 | 1.24154c | (13011524) | 395139.29 | 3871874.36 | 1.14455c | (13011524) |
| 395116.38 | 3871864.85 | 1.04052c | (13011524) | 395093.48 | 3871855.35 | 0.90991c | (13011524) |
| 395070.57 | 3871845.84 | 0.78396c | (13011524) | 395047.67 | 3871836.34 | 0.68001c | (13011524) |
| 395024.76 | 3871826.83 | 0.58013c | (13011524) | 395001.86 | 3871817.33 | 0.53768b | (13111224) |
| 394978.95 | 3871807.82 | 0.54504b | (10011124) | 394956.05 | 3871798.32 | 0.60763b | (10011124) |
| 394933.14 | 3871788.81 | 0.67058b | (10011124) | 394910.24 | 3871779.31 | 0.73346b | (10011124) |
| 394887.33 | 3871769.80 | 0.79613b | (10011124) | 394864.43 | 3871760.30 | 0.85370b | (10011124) |
| 394841.52 | 3871750.79 | 0.89698b | (10011124) | 394818.62 | 3871741.29 | 0.97505b | (10011124) |
| 394795.71 | 3871731.78 | 1.02409b | (10011124) | 394772.81 | 3871722.27 | 1.06482b | (10011124) |
| 394749.90 | 3871712.77 | 1.11556b | (10011124) | 394727.00 | 3871703.26 | 1.16555b | (10011124) |

394704.09 3871693.76 1.19390b (10011124)
394681.19 3871684.25 1.22617b (10011124)
394658.28 3871674.75 1.25223b (10011124)
394635.38 3871665.24 1.28409b (10011124)
394612.47 3871655.74 1.28428b (10011124)
394589.57 3871646.23 1.28277b (10011124)
394566.66 3871636.73 1.29323b (10011124)
394543.76 3871627.22 1.29532b (10011124)
394520.85 3871617.72 1.27669b (10011124)
394497.95 3871608.21 1.25189b (10011124)
394475.04 3871598.71 1.20130b (10011124)
394452.14 3871589.20 1.16932b (10011124)
394429.23 3871579.69 1.13048b (10011124)
394406.33 3871570.19 1.06728b (10011124)
394383.42 3871560.68 0.99639b (10011124)
394360.52 3871551.18 0.94687b (10011124)
394337.61 3871541.67 0.89556b (10011124)
394314.71 3871532.17 0.82590b (10011124)
394291.80 3871522.66 0.75725b (10011124)
394259.45 3871490.23 0.67654b (10011124)
394250.01 3871467.30 0.63437b (10011124)
394240.56 3871444.37 0.59351b (10011124)
394231.11 3871421.44 0.54574b (10011124)
394221.67 3871398.51 0.49818b (10011124)
394212.22 3871375.58 0.45094b (10011124)
394202.77 3871352.65 0.40421b (10011124)
394193.33 3871329.72 0.35835b (10011124)
394183.88 3871306.79 0.31369b (10011124)
394174.43 3871283.87 0.27062b (10011124)
394164.99 3871260.94 0.22967b (10011124)
394155.54 3871238.01 0.19844b (13121624)
394146.10 3871215.08 0.19199b (13121624)
394136.65 3871192.15 0.20666b (13101724)
394127.20 3871169.22 0.24199b (12120524)
394117.76 3871146.29 0.30113b (12120524)
394108.31 3871123.36 0.36624b (12120524)
394098.86 3871100.43 0.43649b (12120524)
394089.42 3871077.50 0.51069b (12120524)
394079.97 3871054.57 0.54528b (12120524)
394070.52 3871031.64 0.53445b (12120524)
394061.08 3871008.71 0.51974b (12120524)
394051.63 3870985.79 0.54900b (12120524)
394042.18 3870962.86 0.57668b (12120524)
394032.74 3870939.93 0.59578b (12120524)
394023.29 3870917.00 0.60558b (12120524)
394013.84 3870894.07 0.61819b (12120524)
394004.40 3870871.14 0.65285b (12120524)
393994.95 3870848.21 0.67653b (12120524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 393985.50 | 3870825.28 | 0.64745b | (12120524) | 393976.06 | 3870802.35 | 0.66576b | (12120524) |
| 393966.61 | 3870779.42 | 0.62833b | (12120524) | 393957.16 | 3870756.49 | 0.55592b | (12120524) |
| 393947.72 | 3870733.56 | 0.46673b | (12120524) | 393938.27 | 3870710.64 | 0.45904b | (13101724) |
| 393928.83 | 3870687.71 | 0.45748b | (13101724) | 393919.38 | 3870664.78 | 0.45509b | (13101724) |
| 393909.93 | 3870641.85 | 0.45197b | (13101724) | 393900.49 | 3870618.92 | 0.44997b | (12120524) |
| 393891.04 | 3870595.99 | 0.57732b | (12120524) | 393881.59 | 3870573.06 | 0.73441b | (12120524) |
| 393872.15 | 3870550.13 | 0.88319b | (12120524) | 393862.70 | 3870527.20 | 0.92309b | (12120524) |
| 393853.25 | 3870504.27 | 0.89243b | (12120524) | 393843.81 | 3870481.34 | 0.84835b | (12120524) |
| 393834.36 | 3870458.41 | 0.78861b | (12120524) | 393824.91 | 3870435.48 | 0.63662b | (12120524) |
| 393815.47 | 3870412.56 | 0.60229b | (12120524) | 393806.02 | 3870389.63 | 0.62287b | (12120524) |
| 393796.57 | 3870366.70 | 0.65202b | (12120524) | 393787.13 | 3870343.77 | 0.65356b | (12120524) |
| 393777.68 | 3870320.84 | 0.63959b | (12120524) | 393768.23 | 3870297.91 | 0.60349b | (12120524) |
| 393758.79 | 3870274.98 | 0.53319b | (12120524) | 393749.34 | 3870252.05 | 0.43978b | (12120524) |
| 393739.90 | 3870229.12 | 0.44304b | (13121724) | 393730.45 | 3870206.19 | 0.46689b | (13121724) |
| 393721.00 | 3870183.26 | 0.49012b | (13121724) | 393711.56 | 3870160.33 | 0.51264b | (13121724) |
| 393702.11 | 3870137.40 | 0.53472b | (13121724) | 393692.66 | 3870114.48 | 0.55576b | (13121724) |

393683.22 3870091.55 0.57538b (13121724)
393673.77 3870068.62 0.59281b (13121724)
393664.32 3870045.69 0.60802b (13121724)
393654.88 3870022.76 0.62030b (13121724)
393645.43 3869999.83 0.63086b (13121724)
393635.98 3869976.90 0.63950b (13121724)
395826.43 3872159.52 1.36742c (10012824)
395851.38 3872159.52 1.36498c (10012824)
395876.32 3872159.52 1.36152c (10012824)
395901.27 3872159.52 1.36301c (10012824)
395926.21 3872159.52 1.36809c (10012824)
395951.16 3872159.53 1.36651c (10012824)
395976.10 3872159.53 1.35006c (10012824)
396001.05 3872159.53 1.33619c (10012824)
396025.99 3872159.53 1.31352c (10012824)
396050.93 3872159.53 1.27957c (10012824)
396075.88 3872159.53 1.23181c (10012824)
396100.82 3872159.53 1.16706c (10012824)
396125.77 3872159.53 1.17808b (13020524)
396150.71 3872159.53 1.40520b (13020524)
396175.66 3872159.54 1.63799b (13020524)
396200.60 3872159.54 1.87395b (13020524)
396225.55 3872159.54 2.10658b (13020524)
396250.49 3872159.54 2.32998b (13020524)
396275.44 3872159.54 2.53906b (13020524)
396300.38 3872159.54 2.72994b (13020524)
396325.33 3872159.54 2.92381b (13020524)
396350.27 3872159.54 3.10848b (13020524)
396375.22 3872159.54 3.26246b (13020524)
396400.16 3872159.55 3.37193b (13020524)
396425.11 3872159.55 3.46182b (13020524)
396450.05 3872159.55 3.53412b (13020524)
396474.99 3872159.55 3.59120b (13020524)
396499.94 3872159.55 3.63518b (13020524)
396524.88 3872159.55 3.66828b (13020524)
396549.83 3872159.55 3.69398b (13020524)
396574.77 3872159.55 3.79930b (13020524)
396599.72 3872159.55 3.84529b (13020524)
396624.66 3872159.56 3.85437b (13020524)
396649.61 3872159.56 3.85850b (13020524)
396674.55 3872159.56 3.85849b (13020524)
396699.50 3872159.56 3.85389b (13020524)
396724.44 3872159.56 3.84380b (13020524)
395803.41 3872549.97 0.52932c (10012824)
395780.40 3872540.42 0.73904c (10012824)
395757.39 3872530.87 0.91143c (10012824)
395734.38 3872521.33 1.03929c (10012824)
395711.37 3872511.78 1.14262c (10012824)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395688.36 | 3872502.23 | 1.18813c | (10012824) | 395665.35 | 3872492.68 | 1.22061c | (10012824) |
| 395642.34 | 3872483.13 | 1.23290c | (10012824) | 395619.33 | 3872473.58 | 1.23717c | (10012824) |
| 395596.32 | 3872464.03 | 1.30910c | (13011524) | 395573.32 | 3872454.49 | 1.35964c | (13011524) |
| 395550.31 | 3872444.94 | 1.39078c | (13011524) | 395527.30 | 3872435.39 | 1.42860c | (13011524) |
| 395504.29 | 3872425.84 | 1.46051c | (13011524) | 395481.28 | 3872416.29 | 1.48666c | (13011524) |
| 395458.27 | 3872406.74 | 1.50777c | (13011524) | 395435.26 | 3872397.19 | 1.52113c | (13011524) |
| 395412.25 | 3872387.65 | 1.53358c | (13011524) | 395389.24 | 3872378.10 | 1.51729c | (13011524) |
| 395366.23 | 3872368.55 | 1.51308c | (13011524) | 395343.23 | 3872359.00 | 1.49800c | (13011524) |
| 395320.22 | 3872349.45 | 1.49998c | (13011524) | 395297.21 | 3872339.90 | 1.49959c | (13011524) |
| 395274.20 | 3872330.36 | 1.49635c | (13011524) | 395251.19 | 3872320.81 | 1.48957c | (13011524) |
| 395228.18 | 3872311.26 | 1.47836c | (13011524) | 395205.17 | 3872301.71 | 1.46157c | (13011524) |
| 395182.16 | 3872292.16 | 1.40286c | (13011524) | 395159.15 | 3872282.61 | 1.34699c | (13011524) |
| 395136.14 | 3872273.06 | 1.30863c | (13011524) | 395113.14 | 3872263.52 | 1.26078c | (13011524) |
| 395090.13 | 3872253.97 | 1.16777c | (13011524) | 395067.12 | 3872244.42 | 1.08436c | (13011524) |
| 395044.11 | 3872234.87 | 1.01210c | (13011524) | 395021.10 | 3872225.32 | 0.93284c | (13011524) |
| 394998.09 | 3872215.77 | 0.84842c | (13011524) | 394975.08 | 3872206.22 | 0.74203c | (13011524) |

394952.07 3872196.68 0.64469c (13011524)
394929.06 3872187.13 0.56857b (13111224)
394906.05 3872177.58 0.54307b (13111224)
394883.05 3872168.03 0.51545b (13111224)
394860.04 3872158.48 0.48585b (13111224)
394837.03 3872148.93 0.45467b (13111224)
394814.02 3872139.38 0.42332b (13111224)
394791.01 3872129.84 0.39176b (13111224)
394768.00 3872120.29 0.38134b (10011124)
394744.99 3872110.74 0.43084b (10011124)
394721.98 3872101.19 0.46841b (10011124)
394698.97 3872091.64 0.51762b (10011124)
394675.96 3872082.09 0.56847b (10011124)
394652.96 3872072.54 0.61636b (10011124)
394629.95 3872063.00 0.66327b (10011124)
394606.94 3872053.45 0.69897b (10011124)
394583.93 3872043.90 0.73953b (10011124)
394560.92 3872034.35 0.78358b (10011124)
394537.91 3872024.80 0.83134b (10011124)
394514.90 3872015.25 0.87487b (10011124)
394491.89 3872005.70 0.90909b (10011124)
394468.88 3871996.16 0.95425b (10011124)
394445.87 3871986.61 0.98597b (10011124)
394422.87 3871977.06 0.98718b (10011124)
394399.86 3871967.51 1.00936b (10011124)
394376.85 3871957.96 1.03101b (10011124)
394353.84 3871948.41 1.04381b (10011124)
394330.83 3871938.86 1.05252b (10011124)
394307.82 3871929.32 1.02936b (10011124)
394284.81 3871919.77 1.00346b (10011124)
394261.80 3871910.22 0.98690b (10011124)
394238.79 3871900.67 0.94977b (10011124)
394215.78 3871891.12 0.92421b (10011124)
394192.78 3871881.57 0.86934b (10011124)
394169.77 3871872.03 0.82339b (10011124)
394146.76 3871862.48 0.78216b (10011124)
394123.75 3871852.93 0.71817b (10011124)
394100.74 3871843.38 0.65790b (10011124)
394077.73 3871833.83 0.61449b (10011124)
394054.72 3871824.28 0.56570b (10011124)
394031.71 3871814.73 0.50947b (10011124)
394008.70 3871805.19 0.47349b (10011124)
393976.21 3871772.60 0.40466b (10011124)
393966.72 3871749.57 0.37004b (10011124)
393957.23 3871726.54 0.33757b (10011124)
393947.74 3871703.50 0.30842b (10011124)
393938.25 3871680.47 0.28025b (10011124)
393928.76 3871657.44 0.25378b (10011124)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 393919.27 | 3871634.40 | 0.22685b | (10011124) | 393909.78 | 3871611.37 | 0.20904b | (13121624) |
| 393900.29 | 3871588.34 | 0.20626b | (13121624) | 393890.80 | 3871565.30 | 0.20273b | (13121624) |
| 393881.31 | 3871542.27 | 0.19847b | (13121624) | 393871.82 | 3871519.24 | 0.19369b | (13121624) |
| 393862.33 | 3871496.20 | 0.18819b | (13121624) | 393852.84 | 3871473.17 | 0.18214b | (13121624) |
| 393843.35 | 3871450.14 | 0.17561b | (13121624) | 393833.86 | 3871427.10 | 0.16865b | (13121624) |
| 393824.37 | 3871404.07 | 0.18134b | (13101724) | 393814.88 | 3871381.03 | 0.19549b | (13101724) |
| 393805.39 | 3871358.00 | 0.21000b | (13101724) | 393795.91 | 3871334.97 | 0.22481b | (13101724) |
| 393786.42 | 3871311.93 | 0.23924b | (13101724) | 393776.93 | 3871288.90 | 0.25375b | (13101724) |
| 393767.44 | 3871265.87 | 0.26840b | (13101724) | 393757.95 | 3871242.83 | 0.28315b | (13101724) |
| 393748.46 | 3871219.80 | 0.29769b | (13101724) | 393738.97 | 3871196.77 | 0.31181b | (13101724) |
| 393729.48 | 3871173.73 | 0.32535b | (13101724) | 393719.99 | 3871150.70 | 0.33790b | (13101724) |
| 393710.50 | 3871127.67 | 0.34967b | (13101724) | 393701.01 | 3871104.63 | 0.36186b | (13101724) |
| 393691.52 | 3871081.60 | 0.37347b | (13101724) | 393682.03 | 3871058.57 | 0.38390b | (13101724) |
| 393672.54 | 3871035.53 | 0.39298b | (13101724) | 393663.05 | 3871012.50 | 0.40100b | (13101724) |
| 393653.56 | 3870989.47 | 0.34277b | (13101824) | 393644.07 | 3870966.43 | 0.35210b | (13101824) |
| 393634.58 | 3870943.40 | 0.36091b | (13101824) | 393625.10 | 3870920.37 | 0.42341b | (13101724) |

393615.61 3870897.33 0.42628b (13101724)
393606.12 3870874.30 0.42817b (13101724)
393596.63 3870851.27 0.42879b (13101724)
393587.14 3870828.23 0.42811b (13101724)
393577.65 3870805.20 0.42593b (13101724)
393568.16 3870782.17 0.42245b (13101724)
393558.67 3870759.13 0.41706b (13101724)
393549.18 3870736.10 0.40898b (13101724)
393539.69 3870713.07 0.39867b (13101724)
393530.20 3870690.03 0.38770b (13101724)
393520.71 3870667.00 0.38192b (13101824)
393511.22 3870643.97 0.37550b (13101824)
393501.73 3870620.93 0.36878b (13101824)
393492.24 3870597.90 0.36150b (13101824)
393482.75 3870574.86 0.35320b (13101824)
393473.26 3870551.83 0.34361b (13101824)
393463.77 3870528.80 0.33276b (13101824)
393454.29 3870505.76 0.32130b (13101824)
393444.80 3870482.73 0.30956b (13101824)
393435.31 3870459.70 0.29765b (13101824)
393425.82 3870436.66 0.28564b (13101824)
393416.33 3870413.63 0.27722b (13121724)
393406.84 3870390.60 0.29948b (13121724)
393397.35 3870367.56 0.32241b (13121724)
393387.86 3870344.53 0.34585b (13121724)
393378.37 3870321.50 0.36962b (13121724)
393368.88 3870298.46 0.39301b (13121724)
393359.39 3870275.43 0.41509b (13121724)
393349.90 3870252.40 0.43539b (13121724)
393340.41 3870229.36 0.45514b (13121724)
393330.92 3870206.33 0.38045b (13121724)
393321.43 3870183.30 0.39471b (13121724)
393311.94 3870160.26 0.40796b (13121724)
393302.45 3870137.23 0.42013b (13121724)
393292.96 3870114.20 0.43116b (13121724)
393283.47 3870091.16 0.44099b (13121724)
393273.99 3870068.13 0.44956b (13121724)
393264.50 3870045.10 0.45685b (13121724)
393255.01 3870022.06 0.59173b (13121724)
393245.52 3869999.03 0.60031b (13121724)
393236.03 3869976.00 0.60844b (13121724)
395826.41 3872559.52 0.44414b (12020824)
395851.36 3872559.52 0.41669b (12020824)
395876.30 3872559.52 0.39593b (12020824)
395901.25 3872559.52 0.39160b (12020824)
395926.19 3872559.52 0.40473b (12020824)
395951.14 3872559.53 0.42333b (12020824)
395976.08 3872559.53 0.44338b (12020824)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396001.03 | 3872559.53 | 0.46789b | (12020824) | 396025.97 | 3872559.53 | 0.49259b | (12020824) |
| 396050.92 | 3872559.53 | 0.51369b | (12020824) | 396075.86 | 3872559.53 | 0.52790b | (12020824) |
| 396100.81 | 3872559.53 | 0.53279b | (12020824) | 396125.75 | 3872559.53 | 0.53653b | (12020824) |
| 396150.70 | 3872559.53 | 0.53559b | (12020824) | 396175.64 | 3872559.54 | 0.53451b | (12020824) |
| 396200.59 | 3872559.54 | 0.53279b | (12020824) | 396225.53 | 3872559.54 | 0.52890b | (12020824) |
| 396250.47 | 3872559.54 | 0.52870c | (11121524) | 396275.42 | 3872559.54 | 0.57221c | (11121524) |
| 396300.36 | 3872559.54 | 0.61445c | (11121524) | 396325.31 | 3872559.54 | 0.80623b | (13020524) |
| 396350.25 | 3872559.54 | 1.07567b | (13020524) | 396375.20 | 3872559.54 | 1.30749b | (13020524) |
| 396400.14 | 3872559.55 | 1.38186b | (13020524) | 396425.09 | 3872559.55 | 1.56021b | (13020524) |
| 396450.03 | 3872559.55 | 1.71984b | (13020524) | 396474.98 | 3872559.55 | 1.88718b | (13020524) |
| 396499.92 | 3872559.55 | 2.06017b | (13020524) | 396524.87 | 3872559.55 | 2.17412b | (13020524) |
| 396549.81 | 3872559.55 | 2.08717b | (13020524) | 396574.76 | 3872559.55 | 1.96202b | (13020524) |
| 396599.70 | 3872559.55 | 1.76036b | (13020524) | 396624.65 | 3872559.56 | 1.68060b | (13020524) |
| 396649.59 | 3872559.56 | 1.92213b | (13020524) | 396674.53 | 3872559.56 | 2.46241b | (13020524) |
| 396699.48 | 3872559.56 | 2.73707b | (13020524) | 396724.42 | 3872559.56 | 2.87008b | (13020524) |
| 396749.54 | 3869959.56 | 11.58910b | (13020124) | 396749.54 | 3869934.67 | 11.34855b | (13020124) |

396749.54 3869909.78 11.21222b (13020124)
396749.54 3869884.88 11.21781b (13121624)
396749.54 3869859.99 11.61217b (13121624)
396749.53 3869835.10 11.84316b (13121624)
396749.53 3869810.21 11.97596b (13121624)
396749.53 3869785.32 12.05131b (13121624)
396749.53 3869760.43 12.09319b (13121624)
396749.53 3869735.54 11.97172b (13121624)
396749.53 3869710.64 11.72015b (13121624)
396749.53 3869685.75 11.72609b (13121624)
396749.53 3869660.86 11.72621b (13121624)
396749.53 3869635.97 11.72677b (13121624)
396749.52 3869611.08 11.72619b (13121624)
396749.52 3869586.19 11.64941b (13121624)
396749.52 3869561.30 11.48062b (13121624)
396749.52 3869536.41 11.39114b (13121624)
396749.52 3869511.51 11.38169b (13121624)
396749.52 3869486.62 11.37377b (13121624)
396749.52 3869461.73 11.36502b (13121624)
396749.52 3869436.84 11.35529b (13121624)
396749.52 3869411.95 11.32016b (13121624)
396749.51 3869387.06 11.15493b (13121624)
396749.51 3869362.17 11.10908b (13011424)
396749.51 3869337.27 11.11141b (13011424)
396749.51 3869312.38 11.12846b (13011424)
396749.51 3869287.49 11.39403b (12120724)
396749.51 3869262.60 11.70809b (12120724)
396749.51 3869237.71 11.99533b (12120724)
396749.51 3869212.82 12.25450b (12120724)
396749.51 3869187.93 12.48489b (12120724)
396749.50 3869163.03 12.68602b (12120724)
396749.50 3869138.14 12.85855b (12120724)
396749.50 3869113.25 13.00512b (12120724)
396749.50 3869088.36 13.32687b (13010324)
396749.50 3869063.47 13.64942b (13010324)
396767.22 3869977.24 11.79187b (13020124)
396774.54 3869934.67 10.96697b (13020124)
396774.54 3869909.77 10.79879b (13020124)
396774.54 3869884.88 11.13290b (13121624)
396774.54 3869859.99 11.39723b (13121624)
396774.53 3869835.10 11.63548b (13121624)
396774.53 3869810.21 11.77478b (13121624)
396774.53 3869785.32 11.85461b (13121624)
396774.53 3869760.43 11.89927b (13121624)
396774.53 3869735.54 11.78069b (13121624)
396774.53 3869710.64 11.53248b (13121624)
396774.53 3869685.75 11.53898b (13121624)
396774.53 3869660.86 11.54202b (13121624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396774.53 | 3869635.97 | 11.54246b | (13121624) | 396774.52 | 3869611.08 | 11.54152b | (13121624) |
| 396774.52 | 3869586.19 | 11.43073b | (13121624) | 396774.52 | 3869561.30 | 11.21025b | (13121624) |
| 396774.52 | 3869536.40 | 11.20661b | (13121624) | 396774.52 | 3869511.51 | 11.20221b | (13121624) |
| 396774.52 | 3869486.62 | 11.19652b | (13121624) | 396774.52 | 3869461.73 | 11.18973b | (13121624) |
| 396774.52 | 3869436.84 | 11.14097b | (13121624) | 396774.52 | 3869411.95 | 11.01581b | (13121624) |
| 396774.51 | 3869387.06 | 10.92779b | (13011424) | 396774.51 | 3869362.16 | 10.96664b | (13011424) |
| 396774.51 | 3869337.27 | 10.99951b | (13011424) | 396774.51 | 3869312.38 | 11.02173b | (13011424) |
| 396774.51 | 3869287.49 | 11.11663b | (12120724) | 396774.51 | 3869262.60 | 11.44709b | (12120724) |
| 396774.51 | 3869237.71 | 11.75312b | (12120724) | 396774.51 | 3869212.82 | 12.03418b | (12120724) |
| 396774.51 | 3869187.92 | 12.22666b | (12120724) | 396774.50 | 3869163.03 | 12.40543b | (12120724) |
| 396774.50 | 3869138.14 | 12.60551b | (12120724) | 396774.50 | 3869113.25 | 12.83222b | (13010324) |
| 396774.50 | 3869088.36 | 13.17756b | (13010324) | 396792.22 | 3869977.24 | 11.30650b | (13020124) |
| 396759.89 | 3870019.92 | 12.18471b | (13020124) | 396799.54 | 3869934.67 | 10.51461b | (13020124) |
| 396799.54 | 3869909.77 | 10.31752b | (13121624) | 396799.54 | 3869884.88 | 10.97998b | (13121624) |
| 396799.54 | 3869859.99 | 11.20396b | (13121624) | 396799.53 | 3869835.10 | 11.44968b | (13121624) |
| 396799.53 | 3869810.21 | 11.59444b | (13121624) | 396799.53 | 3869785.32 | 11.67847b | (13121624) |

396799.53 3869760.43 11.72626b (13121624)
396799.53 3869735.53 11.61029b (13121624)
396799.53 3869710.64 11.36254b (13121624)
396799.53 3869685.75 11.36976b (13121624)
396799.53 3869660.86 11.37292b (13121624)
396799.53 3869635.97 11.37387b (13121624)
396799.52 3869611.08 11.31572b (13121624)
396799.52 3869586.19 11.18448b (13121624)
396799.52 3869561.29 11.03905b (13121624)
396799.52 3869536.40 11.03565b (13121624)
396799.52 3869511.51 11.03136b (13121624)
396799.52 3869486.62 10.96551b (13121624)
396799.52 3869461.73 10.92505b (13121624)
396799.52 3869436.84 10.86287b (13121624)
396799.52 3869411.95 10.73444b (13121624)
396799.51 3869387.05 10.76190b (13011424)
396799.51 3869362.16 10.81687b (13011424)
396799.51 3869337.27 10.85632b (13011424)
396799.51 3869312.38 10.88423b (13011424)
396799.51 3869287.49 10.90278b (13011424)
396799.51 3869262.60 11.20265b (12120724)
396799.51 3869237.71 11.52590b (12120724)
396799.51 3869212.81 11.77429b (12120724)
396799.51 3869187.92 11.95985b (12120724)
396799.50 3869163.03 12.15714b (12120724)
396799.50 3869138.14 12.37248b (12120724)
396799.50 3869113.25 12.57871b (13010324)
396799.50 3869088.36 12.92878b (13010324)
396799.50 3869063.47 13.26654b (13010324)
396817.22 3869977.23 10.58397b (13020124)
396802.57 3870012.59 11.35883b (13020124)
396777.57 3870037.59 11.93322b (13020124)
396824.54 3869934.66 9.94009b (13020124)
396824.54 3869909.77 10.03528b (13121624)
396824.54 3869884.88 10.56939b (13121624)
396824.54 3869859.99 10.98951b (13121624)
396824.53 3869835.10 11.24284b (13121624)
396824.53 3869810.21 11.39327b (13121624)
396824.53 3869785.32 11.48144b (13121624)
396824.53 3869760.42 11.49740b (13121624)
396824.53 3869735.53 11.37530b (13121624)
396824.53 3869710.64 11.17499b (13121624)
396824.53 3869685.75 11.18299b (13121624)
396824.53 3869660.86 11.18670b (13121624)
396824.53 3869635.97 11.14798b (13121624)
396824.52 3869611.08 10.99011b (13121624)
396824.52 3869586.18 10.85398b (13121624)
396824.52 3869561.29 10.85129b (13121624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396824.52 | 3869536.40 | 10.84763b | (13121624) | 396824.52 | 3869511.51 | 10.80473b | (13121624) |
| 396824.52 | 3869486.62 | 10.64547b | (13121624) | 396824.52 | 3869461.73 | 10.56094b | (13121624) |
| 396824.52 | 3869436.84 | 10.55239b | (13121624) | 396824.52 | 3869411.94 | 10.54153b | (13121624) |
| 396824.51 | 3869387.05 | 10.57551b | (13011424) | 396824.51 | 3869362.16 | 10.63949b | (13011424) |
| 396824.51 | 3869337.27 | 10.68647b | (13011424) | 396824.51 | 3869312.38 | 10.72037b | (13011424) |
| 396824.51 | 3869287.49 | 10.74382b | (13011424) | 396824.51 | 3869262.60 | 10.91212b | (12120724) |
| 396824.51 | 3869237.71 | 11.22070b | (12120724) | 396824.51 | 3869212.81 | 11.42067b | (12120724) |
| 396824.51 | 3869187.92 | 11.67495b | (12120724) | 396824.50 | 3869163.03 | 11.93521b | (12120724) |
| 396824.50 | 3869138.14 | 12.17028b | (12120724) | 396824.50 | 3869113.25 | 12.38046b | (12120724) |
| 396824.50 | 3869088.36 | 12.64980b | (13010324) | 396865.75 | 3869980.77 | 9.16712b | (13020124) |
| 396856.97 | 3870001.98 | 9.69096b | (13020124) | 396848.18 | 3870023.20 | 10.27525b | (13020124) |
| 396839.39 | 3870044.41 | 10.66537b | (13020124) | 396809.39 | 3870074.41 | 11.37903b | (13020124) |
| 396788.18 | 3870083.20 | 11.58393b | (13020124) | 396766.96 | 3870091.99 | 11.73857b | (13020124) |
| 396745.75 | 3870100.77 | 11.77206b | (13020124) | 396874.54 | 3869959.55 | 8.75850b | (13020124) |
| 396874.54 | 3869934.66 | 8.52200b | (13020124) | 396874.54 | 3869909.77 | 9.38869b | (13121624) |
| 396874.54 | 3869884.88 | 10.08755b | (13121624) | 396874.54 | 3869859.99 | 10.52316b | (13121624) |

396874.53 3869835.10 10.79004b (13121624)
396874.53 3869810.20 10.95184b (13121624)
396874.53 3869785.31 11.04846b (13121624)
396874.53 3869760.42 10.91001b (13121624)
396874.53 3869735.53 10.75848b (13121624)
396874.53 3869710.64 10.77636b (13121624)
396874.53 3869685.75 10.78596b (13121624)
396874.53 3869660.86 10.56121b (13121624)
396874.53 3869635.97 10.48184b (13121624)
396874.52 3869611.07 10.46344b (13121624)
396874.52 3869586.18 10.46183b (13121624)
396874.52 3869561.29 10.42346b (13121624)
396874.52 3869536.40 10.22918b (13121624)
396874.52 3869511.51 10.18362b (13121624)
396874.52 3869486.62 10.17033b (13121624)
396874.52 3869461.73 10.16323b (13121624)
396874.52 3869436.83 10.15416b (13121624)
396874.52 3869411.94 10.14246b (13121624)
396874.51 3869387.05 10.14611b (13011424)
396874.51 3869362.16 10.23003b (13011424)
396874.51 3869337.27 10.29401b (13011424)
396874.51 3869312.38 10.34186b (13011424)
396874.51 3869287.49 10.37679b (13011424)
396874.51 3869262.59 10.37528b (13011424)
396874.51 3869237.70 10.41909b (12120724)
396874.51 3869212.81 10.74089b (12120724)
396874.51 3869187.92 11.05337b (12120724)
396874.50 3869163.03 11.34549b (12120724)
396874.50 3869138.14 11.61543b (12120724)
396874.50 3869113.25 11.86198b (12120724)
396874.50 3869088.35 12.08507b (12120724)
396874.50 3869063.46 12.28406b (12120724)
396916.17 3869979.76 7.98041b (13020124)
396899.43 3870020.16 8.73176b (13020124)
396882.70 3870060.57 9.59272b (13020124)
396845.76 3870109.35 10.75005b (13020124)
396805.35 3870126.09 11.31990b (13020124)
396764.94 3870142.82 11.27318b (13020124)
396924.54 3869934.66 7.91701b (13121624)
396924.54 3869909.77 8.91049b (13121624)
396924.54 3869884.88 9.60138b (13121624)
396924.54 3869859.99 10.04876b (13121624)
396924.53 3869835.09 10.32889b (13121624)
396924.53 3869810.20 10.50146b (13121624)
396924.53 3869785.31 10.37296b (13121624)
396924.53 3869760.42 10.32340b (13121624)
396924.53 3869735.53 10.35939b (13121624)
396924.53 3869710.64 10.35350b (13121624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396924.53 | 3869685.75 | 10.22914b | (13121624) | 396924.53 | 3869660.85 | 10.10898b | (13121624) |
| 396924.53 | 3869635.96 | 10.08462b | (13121624) | 396924.52 | 3869611.07 | 10.08481b | (13121624) |
| 396924.52 | 3869586.18 | 9.99408b | (13121624) | 396924.52 | 3869561.29 | 9.80773b | (13121624) |
| 396924.52 | 3869536.40 | 9.80417b | (13121624) | 396924.52 | 3869511.51 | 9.79955b | (13121624) |
| 396924.52 | 3869486.61 | 9.79374b | (13121624) | 396924.52 | 3869461.72 | 9.78629b | (13121624) |
| 396924.52 | 3869436.83 | 9.77694b | (13121624) | 396924.52 | 3869411.94 | 9.76459b | (13121624) |
| 396924.51 | 3869387.05 | 9.74774b | (13121624) | 396924.51 | 3869362.16 | 9.80013b | (13011424) |
| 396924.51 | 3869337.27 | 9.88336b | (13011424) | 396924.51 | 3869312.37 | 9.94745b | (13011424) |
| 396924.51 | 3869287.48 | 9.92594b | (13011424) | 396924.51 | 3869262.59 | 9.78901b | (13011424) |
| 396924.51 | 3869237.70 | 9.81458b | (13011424) | 396924.51 | 3869212.81 | 9.97836b | (12120724) |
| 396924.51 | 3869187.92 | 10.31184b | (12120724) | 396924.50 | 3869163.03 | 10.62864b | (12120724) |
| 396924.50 | 3869138.14 | 10.92654b | (12120724) | 396924.50 | 3869113.24 | 11.20469b | (12120724) |
| 396924.50 | 3869088.35 | 11.46106b | (12120724) | 396924.50 | 3869063.46 | 11.62906b | (12120724) |
| 396965.39 | 3869981.65 | 6.92235b | (13020124) | 396956.23 | 3870003.75 | 7.32194b | (13020124) |
| 396947.08 | 3870025.84 | 7.72042b | (13020124) | 396937.93 | 3870047.94 | 8.13154b | (13020124) |
| 396928.78 | 3870070.04 | 8.67553b | (13020124) | 396919.62 | 3870092.14 | 9.10145b | (13020124) |

396910.47 3870114.24 9.46237b (13020124)
396879.22 3870145.49 10.26507b (13020124)
396857.12 3870154.64 10.64030b (13020124)
396835.02 3870163.80 10.86954b (13020124)
396812.92 3870172.95 10.88941b (13020124)
396790.82 3870182.10 10.79872b (13020124)
396768.73 3870191.25 10.64703b (13020124)
396746.63 3870200.41 10.46331b (13020124)
396974.54 3869959.55 6.52187b (13020124)
396974.54 3869934.66 7.54449b (13121624)
396974.54 3869909.77 8.46650b (13121624)
396974.54 3869884.87 9.13783b (13121624)
396974.54 3869859.98 9.59087b (13121624)
396974.53 3869835.09 9.87937b (13121624)
396974.53 3869810.20 9.80778b (13121624)
396974.53 3869785.31 9.87008b (13121624)
396974.53 3869760.42 9.93731b (13121624)
396974.53 3869735.53 9.95911b (13121624)
396974.53 3869710.63 9.91003b (13121624)
396974.53 3869685.74 9.72239b (13121624)
396974.53 3869660.85 9.72638b (13121624)
396974.53 3869635.96 9.72943b (13121624)
396974.52 3869611.07 9.59887b (13121624)
396974.52 3869586.18 9.46444b (13121624)
396974.52 3869561.29 9.46223b (13121624)
396974.52 3869536.40 9.45865b (13121624)
396974.52 3869511.50 9.45411b (13121624)
396974.52 3869486.61 9.44838b (13121624)
396974.52 3869461.72 9.44101b (13121624)
396974.52 3869436.83 9.43137b (13121624)
396974.52 3869411.94 9.41840b (13121624)
396974.51 3869387.05 9.40043b (13121624)
396974.51 3869362.16 9.37442b (13121624)
396974.51 3869337.26 9.47415b (13011424)
396974.51 3869312.37 9.53855b (13011424)
396974.51 3869287.48 9.52186b (13011424)
396974.51 3869262.59 9.42765b (13011424)
396974.51 3869237.70 9.46400b (13011424)
396974.51 3869212.81 9.49092b (13011424)
396974.51 3869187.92 9.51432b (12120724)
396974.50 3869163.02 9.83797b (12120724)
396974.50 3869138.13 10.10959b (12120724)
396974.50 3869113.24 10.32215b (12120724)
396974.50 3869088.35 10.59966b (12120724)
396974.50 3869063.46 10.85759b (12120724)
397049.00 3869980.97 5.66646b (13123124)
397040.12 3870002.40 5.74437b (13123124)
397031.25 3870023.83 6.10663b (13020124)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397022.37 | 3870045.26 | 6.48350b | (13020124) | 397013.50 | 3870066.69 | 6.85533b | (13020124) |
| 397004.62 | 3870088.12 | 7.22600b | (13020124) | 396995.74 | 3870109.55 | 7.59356b | (13020124) |
| 396986.87 | 3870130.98 | 7.95431b | (13020124) | 396977.99 | 3870152.40 | 8.30166b | (13020124) |
| 396969.12 | 3870173.83 | 8.62298b | (13020124) | 396938.81 | 3870204.14 | 9.35016b | (13020124) |
| 396917.38 | 3870213.01 | 9.76815b | (13020124) | 396895.96 | 3870221.89 | 10.00993b | (13020124) |
| 396874.53 | 3870230.76 | 10.12449b | (13020124) | 396853.10 | 3870239.64 | 10.13743b | (13020124) |
| 396831.67 | 3870248.52 | 10.07007b | (13020124) | 396810.24 | 3870257.39 | 9.95558b | (13020124) |
| 396788.81 | 3870266.27 | 9.80396b | (13020124) | 396767.38 | 3870275.14 | 9.61430b | (13020124) |
| 396745.95 | 3870284.02 | 9.41036b | (13020124) | 397057.87 | 3869959.55 | 6.03633b | (13121624) |
| 397057.87 | 3869934.65 | 7.00683b | (13121624) | 397057.87 | 3869909.76 | 7.81918b | (13121624) |
| 397057.87 | 3869884.87 | 8.44503b | (13121624) | 397057.87 | 3869859.98 | 8.89291b | (13121624) |
| 397057.87 | 3869835.09 | 9.19514b | (13121624) | 397057.87 | 3869810.20 | 9.18383b | (13121624) |
| 397057.87 | 3869785.31 | 9.26699b | (13121624) | 397057.86 | 3869760.41 | 9.22373b | (13121624) |
| 397057.86 | 3869735.52 | 9.14614b | (13121624) | 397057.86 | 3869710.63 | 9.16410b | (13121624) |
| 397057.86 | 3869685.74 | 9.18038b | (13121624) | 397057.86 | 3869660.85 | 8.99863b | (13121624) |
| 397057.86 | 3869635.96 | 8.95611b | (13121624) | 397057.86 | 3869611.07 | 8.95300b | (13121624) |

397057.86 3869586.17 8.95264b (13121624)
397057.86 3869561.28 8.95094b (13121624)
397057.85 3869536.39 8.94810b (13121624)
397057.85 3869511.50 8.94412b (13121624)
397057.85 3869486.61 8.93875b (13121624)
397057.85 3869461.72 8.93151b (13121624)
397057.85 3869436.83 8.92163b (13121624)
397057.85 3869411.93 8.90769b (13121624)
397057.85 3869387.04 8.88748b (13121624)
397057.85 3869362.15 8.85763b (13121624)
397057.85 3869337.26 8.81321b (13121624)
397057.84 3869312.37 8.81098b (13011424)
397057.84 3869287.48 8.77901b (13011424)
397057.84 3869262.59 8.85328b (13011424)
397057.84 3869237.69 8.91170b (13011424)
397057.84 3869212.80 8.95732b (13011424)
397057.84 3869187.91 8.87582b (13011424)
397057.84 3869163.02 8.81948b (13011424)
397057.84 3869138.13 8.83319b (13011424)
397057.84 3869113.24 9.03044b (12120724)
397057.83 3869088.35 9.34075b (12120724)
397057.83 3869063.46 9.63650b (12120724)
397131.82 3869982.21 5.30419b (13123124)
397122.43 3870004.87 5.34531b (13123124)
397113.04 3870027.54 5.38008b (13123124)
397103.66 3870050.20 5.40063b (13123124)
397094.27 3870072.87 5.39120b (13123124)
397084.88 3870095.53 5.66163b (13020124)
397075.49 3870118.20 6.06055b (13020124)
397066.11 3870140.86 6.45959b (13020124)
397056.72 3870163.53 6.84823b (13020124)
397047.33 3870186.19 7.20605b (13020124)
397037.94 3870208.86 7.55066b (13020124)
397028.56 3870231.52 7.87151b (13020124)
396996.50 3870263.58 8.59698b (13020124)
396973.84 3870272.96 9.00929b (13020124)
396951.17 3870282.35 9.27139b (13020124)
396928.51 3870291.74 9.42975b (13020124)
396905.84 3870301.13 9.49194b (13020124)
396883.18 3870310.51 9.46967b (13020124)
396860.51 3870319.90 9.39166b (13020124)
396837.85 3870329.29 9.24949b (13020124)
396815.18 3870338.68 9.07767b (13020124)
396792.52 3870348.06 8.88148b (13020124)
396769.85 3870357.45 8.66477b (13020124)
396747.19 3870366.84 8.42966b (13020124)
397141.21 3869959.54 5.71687b (13121624)
397141.21 3869934.65 6.55494b (13121624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397141.20 | 3869909.76 | 7.20957b | (13121624) | 397141.20 | 3869884.87 | 7.71589b | (13121624) |
| 397141.20 | 3869859.98 | 8.13132b | (13121624) | 397141.20 | 3869835.08 | 8.38370b | (13121624) |
| 397141.20 | 3869810.19 | 8.46029b | (13121624) | 397141.20 | 3869785.30 | 8.52915b | (13121624) |
| 397141.20 | 3869760.41 | 8.59524b | (13121624) | 397141.20 | 3869735.52 | 8.59676b | (13121624) |
| 397141.20 | 3869710.63 | 8.51531b | (13121624) | 397141.19 | 3869685.74 | 8.48638b | (13121624) |
| 397141.19 | 3869660.84 | 8.49795b | (13121624) | 397141.19 | 3869635.95 | 8.50425b | (13121624) |
| 397141.19 | 3869611.06 | 8.50728b | (13121624) | 397141.19 | 3869586.17 | 8.50815b | (13121624) |
| 397141.19 | 3869561.28 | 8.50736b | (13121624) | 397141.19 | 3869536.39 | 8.50533b | (13121624) |
| 397141.19 | 3869511.50 | 8.50192b | (13121624) | 397141.19 | 3869486.61 | 8.49691b | (13121624) |
| 397141.18 | 3869461.71 | 8.48971b | (13121624) | 397141.18 | 3869436.82 | 8.47907b | (13121624) |
| 397141.18 | 3869411.93 | 8.46333b | (13121624) | 397141.18 | 3869387.04 | 8.43987b | (13121624) |
| 397141.18 | 3869362.15 | 8.24530b | (13121624) | 397141.18 | 3869337.26 | 8.15082b | (13121624) |
| 397141.18 | 3869312.37 | 8.07515b | (13121624) | 397141.18 | 3869287.47 | 8.19331b | (13011424) |
| 397141.18 | 3869262.58 | 8.28309b | (13011424) | 397141.17 | 3869237.69 | 8.24953b | (13011424) |
| 397141.17 | 3869212.80 | 8.26845b | (13011424) | 397141.17 | 3869187.91 | 8.30931b | (13011424) |
| 397141.17 | 3869163.02 | 8.35154b | (13011424) | 397141.17 | 3869138.13 | 8.38440b | (13011424) |

397141.17 3869113.23 8.40963b (13011424)
397141.17 3869088.34 8.42804b (13011424)
397141.17 3869063.45 8.43933b (13011424)
397215.39 3869981.64 4.98042b (13123124)
397206.23 3870003.73 5.02195b (13123124)
397197.08 3870025.83 5.05912b (13123124)
397187.93 3870047.93 5.08997b (13123124)
397178.78 3870070.03 5.10918b (13123124)
397169.62 3870092.13 5.10722b (13123124)
397160.47 3870114.23 5.06970b (13123124)
397151.32 3870136.33 4.98189b (13123124)
397142.16 3870158.42 5.20813b (13020124)
397133.01 3870180.52 5.54261b (13020124)
397123.86 3870202.62 5.87534b (13020124)
397114.71 3870224.72 6.22090b (13020124)
397105.55 3870246.82 6.61384b (13020124)
397096.40 3870268.92 6.94259b (13020124)
397087.25 3870291.01 7.23857b (13020124)
397055.99 3870322.27 7.97307b (13020124)
397033.90 3870331.42 8.30034b (13020124)
397011.80 3870340.57 8.56793b (13020124)
396989.70 3870349.73 8.76989b (13020124)
396967.60 3870358.88 8.89624b (13020124)
396945.50 3870368.03 8.93876b (13020124)
396923.40 3870377.18 8.91296b (13020124)
396901.31 3870386.34 8.83446b (13020124)
396879.21 3870395.49 8.71277b (13020124)
396857.11 3870404.64 8.55844b (13020124)
396835.01 3870413.80 8.37852b (13020124)
396812.91 3870422.95 8.17844b (13020124)
396790.81 3870432.10 7.96031b (13020124)
396768.71 3870441.25 7.72515b (13020124)
396746.62 3870450.41 7.48768b (13120224)
397224.54 3869959.54 5.32559b (13121624)
397224.54 3869934.65 6.03740b (13121624)
397224.54 3869909.75 6.64035b (13121624)
397224.54 3869884.86 7.11398b (13121624)
397224.54 3869859.97 7.47826b (13121624)
397224.53 3869835.08 7.77312b (13121624)
397224.53 3869810.19 7.93612b (13121624)
397224.53 3869785.30 8.06951b (13121624)
397224.53 3869760.41 8.13605b (13121624)
397224.53 3869735.52 8.16695b (13121624)
397224.53 3869710.62 8.20617b (13121624)
397224.53 3869685.73 8.23072b (13121624)
397224.53 3869660.84 8.24567b (13121624)
397224.53 3869635.95 8.21760b (13121624)
397224.52 3869611.06 8.20119b (13121624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397224.52 | 3869586.17 | 8.18600b | (13121624) | 397224.52 | 3869561.28 | 8.14397b | (13121624) |
| 397224.52 | 3869536.38 | 8.14263b | (13121624) | 397224.52 | 3869511.49 | 8.09382b | (13121624) |
| 397224.52 | 3869486.60 | 8.07735b | (13121624) | 397224.52 | 3869461.71 | 8.04299b | (13121624) |
| 397224.52 | 3869436.82 | 7.99892b | (13121624) | 397224.52 | 3869411.93 | 7.97476b | (13121624) |
| 397224.51 | 3869387.04 | 7.90089b | (13121624) | 397224.51 | 3869362.14 | 7.85569b | (13121624) |
| 397224.51 | 3869337.25 | 7.76249b | (13121624) | 397224.51 | 3869312.36 | 7.65168b | (13121624) |
| 397224.51 | 3869287.47 | 7.59258b | (13011424) | 397224.51 | 3869262.58 | 7.72482b | (13011424) |
| 397224.51 | 3869237.69 | 7.79109b | (13011424) | 397224.51 | 3869212.80 | 7.88196b | (13011424) |
| 397224.51 | 3869187.90 | 7.95990b | (13011424) | 397224.50 | 3869163.01 | 8.03482b | (13011424) |
| 397224.50 | 3869138.12 | 8.10304b | (13011424) | 397224.50 | 3869113.23 | 8.14344b | (13011424) |
| 397224.50 | 3869088.34 | 8.17468b | (13011424) | 397224.50 | 3869063.45 | 8.17646b | (13011424) |
| 397465.39 | 3869981.63 | 4.21038b | (13121624) | 397456.23 | 3870003.72 | 4.15114b | (13123124) |
| 397447.08 | 3870025.82 | 4.21223b | (13123124) | 397437.93 | 3870047.92 | 4.26952b | (13123124) |
| 397428.78 | 3870070.02 | 4.31048b | (13123124) | 397419.62 | 3870092.12 | 4.35369b | (13123124) |
| 397410.47 | 3870114.22 | 4.38769b | (13123124) | 397401.32 | 3870136.31 | 4.40652b | (13123124) |
| 397392.16 | 3870158.41 | 4.42287b | (13123124) | 397383.01 | 3870180.51 | 4.41251b | (13123124) |

397373.86 3870202.61 4.37526b (13123124)
397364.71 3870224.71 4.31318b (13123124)
397355.55 3870246.81 4.20693b (13123124)
397346.40 3870268.91 4.06109b (13123124)
397337.25 3870291.00 3.88160b (13123124)
397328.09 3870313.10 3.74748b (13020124)
397318.94 3870335.20 4.04528b (13020124)
397309.79 3870357.30 4.34566b (13020124)
397300.63 3870379.40 4.64494b (13020124)
397291.48 3870401.50 4.93301b (13020124)
397282.33 3870423.59 5.22125b (13020124)
397273.18 3870445.69 5.50013b (13020124)
397264.02 3870467.79 5.77058b (13020124)
397232.77 3870499.04 6.34013b (13020124)
397210.67 3870508.20 6.63385b (13020124)
397188.57 3870517.35 6.90335b (13020124)
397166.48 3870526.50 7.13663b (13020124)
397144.38 3870535.65 7.33093b (13020124)
397122.28 3870544.81 7.46883b (13020124)
397100.18 3870553.96 7.55961b (13020124)
397078.08 3870563.11 7.60062b (13020124)
397055.98 3870572.27 7.59440b (13020124)
397033.89 3870581.42 7.54582b (13020124)
397011.79 3870590.57 7.45967b (13020124)
396989.69 3870599.73 7.34144b (13020124)
396967.59 3870608.88 7.19635b (13020124)
396945.49 3870618.03 7.02834b (13020124)
396923.39 3870627.18 6.84095b (13020124)
396901.29 3870636.34 6.63657b (13120224)
396879.20 3870645.49 6.52105b (13120224)
396857.10 3870654.64 6.39855b (13120224)
396835.00 3870663.80 6.26045b (13120224)
396812.90 3870672.95 6.10797b (13120224)
396790.80 3870682.10 5.93714b (13120224)
396768.70 3870691.25 5.89710b (13020524)
396746.61 3870700.41 6.18919b (13020524)
397474.54 3869959.53 4.67592b (13121624)
397474.54 3869934.64 5.17451b (13121624)
397474.54 3869909.74 5.61592b (13121624)
397474.54 3869884.85 6.00183b (13121624)
397474.54 3869859.96 6.32563b (13121624)
397474.53 3869835.07 6.56330b (13121624)
397474.53 3869810.18 6.77086b (13121624)
397474.53 3869785.29 6.90111b (13121624)
397474.53 3869760.40 6.98421b (13121624)
397474.53 3869735.50 7.04590b (13121624)
397474.53 3869710.61 7.09627b (13121624)
397474.53 3869685.72 7.13439b (13121624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397474.53 | 3869660.83 | 7.15974b | (13121624) | 397474.53 | 3869635.94 | 7.17618b | (13121624) |
| 397474.52 | 3869611.05 | 7.16716b | (13121624) | 397474.52 | 3869586.16 | 7.15064b | (13121624) |
| 397474.52 | 3869561.26 | 7.15272b | (13121624) | 397474.52 | 3869536.37 | 7.15158b | (13121624) |
| 397474.52 | 3869511.48 | 7.11922b | (13121624) | 397474.52 | 3869486.59 | 7.10197b | (13121624) |
| 397474.52 | 3869461.70 | 7.06936b | (13121624) | 397474.52 | 3869436.81 | 7.02229b | (13121624) |
| 397474.52 | 3869411.92 | 6.97860b | (13121624) | 397474.51 | 3869387.02 | 6.89734b | (13121624) |
| 397474.51 | 3869362.13 | 6.80295b | (13121624) | 397474.51 | 3869337.24 | 6.69974b | (13121624) |
| 397474.51 | 3869312.35 | 6.55958b | (13121624) | 397474.51 | 3869287.46 | 6.37683b | (13121624) |
| 397474.51 | 3869262.57 | 6.15970b | (13121624) | 397474.51 | 3869237.68 | 6.11273b | (13011424) |
| 397474.51 | 3869212.78 | 6.26106b | (13011424) | 397474.51 | 3869187.89 | 6.40626b | (13011424) |
| 397474.50 | 3869163.00 | 6.52471b | (13011424) | 397474.50 | 3869138.11 | 6.61040b | (13011424) |
| 397474.50 | 3869113.22 | 6.68168b | (13011424) | 397474.50 | 3869088.33 | 6.76775b | (13011424) |
| 397474.50 | 3869063.44 | 6.84000b | (13011424) | 397715.09 | 3869982.33 | 3.80306b | (13121624) |
| 397705.64 | 3870005.14 | 3.42977b | (13121624) | 397696.20 | 3870027.95 | 3.45532b | (13123124) |
| 397686.75 | 3870050.76 | 3.54375b | (13123124) | 397677.30 | 3870073.57 | 3.62850b | (13123124) |
| 397667.85 | 3870096.38 | 3.69882b | (13123124) | 397658.40 | 3870119.19 | 3.76006b | (13123124) |

397648.95 3870142.01 3.81777b (13123124)
397639.51 3870164.82 3.86178b (13123124)
397630.06 3870187.63 3.89216b (13123124)
397620.61 3870210.44 3.91978b (13123124)
397611.16 3870233.25 3.93498b (13123124)
397601.71 3870256.06 3.93614b (13123124)
397592.27 3870278.87 3.91325b (13123124)
397582.82 3870301.69 3.87112b (13123124)
397573.37 3870324.50 3.80175b (13123124)
397563.92 3870347.31 3.70449b (13123124)
397554.47 3870370.12 3.57114b (13123124)
397545.02 3870392.93 3.41400b (13123124)
397535.58 3870415.74 3.23183b (13123124)
397526.13 3870438.55 3.02811b (13123124)
397516.68 3870461.36 2.80774b (13123124)
397507.23 3870484.18 2.87710b (13020124)
397497.78 3870506.99 3.12773b (13020124)
397488.34 3870529.80 3.38387b (13020124)
397478.89 3870552.61 3.63721b (13020124)
397469.44 3870575.42 3.89265b (13020124)
397459.99 3870598.23 4.14335b (13020124)
397450.54 3870621.04 4.38943b (13020124)
397441.09 3870643.86 4.62741b (13020124)
397408.84 3870676.11 5.14783b (13020124)
397386.02 3870685.56 5.42676b (13020124)
397363.21 3870695.01 5.68645b (13020124)
397340.40 3870704.46 5.92218b (13020124)
397317.59 3870713.91 6.13000b (13020124)
397294.78 3870723.36 6.30521b (13020124)
397271.97 3870732.80 6.44419b (13020124)
397249.16 3870742.25 6.54326b (13020124)
397226.34 3870751.70 6.60366b (13020124)
397203.53 3870761.15 6.62063b (13020124)
397180.72 3870770.60 6.60511b (13020124)
397157.91 3870780.04 6.55459b (13020124)
397135.10 3870789.49 6.47253b (13020124)
397112.29 3870798.94 6.36206b (13020124)
397089.48 3870808.39 6.22636b (13020124)
397066.67 3870817.84 6.06856b (13020124)
397043.85 3870827.29 5.90761b (13120224)
397021.04 3870836.73 5.83770b (13120224)
396998.23 3870846.18 5.74085b (13120224)
396975.42 3870855.63 5.62888b (13120224)
396952.61 3870865.08 5.50417b (13120224)
396929.80 3870874.53 5.36385b (13120224)
396906.99 3870883.97 5.20889b (13120224)
396884.17 3870893.42 5.03923b (13120224)
396861.36 3870902.87 4.85601b (13120224)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396838.55 | 3870912.32 | 4.65938b | (13120224) | 396815.74 | 3870921.77 | 4.87899b | (13020524) |
| 396792.93 | 3870931.22 | 5.17532b | (13020524) | 396770.12 | 3870940.66 | 5.41760b | (13020524) |
| 396747.31 | 3870950.11 | 5.61618b | (13020524) | 397724.54 | 3869959.52 | 4.15711b | (13121624) |
| 397724.54 | 3869934.62 | 4.53377b | (13121624) | 397724.54 | 3869909.73 | 4.88494b | (13121624) |
| 397724.54 | 3869884.84 | 5.20510b | (13121624) | 397724.54 | 3869859.95 | 5.48227b | (13121624) |
| 397724.53 | 3869835.06 | 5.71610b | (13121624) | 397724.53 | 3869810.17 | 5.88445b | (13121624) |
| 397724.53 | 3869785.28 | 6.03190b | (13121624) | 397724.53 | 3869760.38 | 6.15074b | (13121624) |
| 397724.53 | 3869735.49 | 6.24099b | (13121624) | 397724.53 | 3869710.60 | 6.30292b | (13121624) |
| 397724.53 | 3869685.71 | 6.32569b | (13121624) | 397724.53 | 3869660.82 | 6.35858b | (13121624) |
| 397724.53 | 3869635.93 | 6.38160b | (13121624) | 397724.52 | 3869611.04 | 6.38152b | (13121624) |
| 397724.52 | 3869586.14 | 6.37242b | (13121624) | 397724.52 | 3869561.25 | 6.37007b | (13121624) |
| 397724.52 | 3869536.36 | 6.33888b | (13121624) | 397724.52 | 3869511.47 | 6.32823b | (13121624) |
| 397724.52 | 3869486.58 | 6.31173b | (13121624) | 397724.52 | 3869461.69 | 6.27278b | (13121624) |
| 397724.52 | 3869436.80 | 6.21886b | (13121624) | 397724.52 | 3869411.90 | 6.16442b | (13121624) |
| 397724.51 | 3869387.01 | 6.07089b | (13121624) | 397724.51 | 3869362.12 | 5.98063b | (13121624) |
| 397724.51 | 3869337.23 | 5.84607b | (13121624) | 397724.51 | 3869312.34 | 5.68809b | (13121624) |

397724.51 3869287.45 5.49969b (13121624)
397724.51 3869262.56 5.26066b (13121624)
397724.51 3869237.67 5.00208b (13121624)
397724.51 3869212.77 4.68499b (13121624)
397724.51 3869187.88 4.85840b (13011424)
397724.50 3869162.99 5.05790b (13011424)
397724.50 3869138.10 5.24679b (13011424)
397724.50 3869113.21 5.42072b (13011424)
397724.50 3869088.32 5.57677b (13011424)
397724.50 3869063.43 5.69195b (13011424)
398115.22 3869982.00 3.40073b (13121624)
398105.90 3870004.50 3.12996b (13121624)
398096.58 3870027.00 2.85475b (13121624)
398087.26 3870049.50 2.84295b (13020724)
398077.94 3870072.00 2.85901b (13020724)
398068.62 3870094.50 2.86646b (13020724)
398059.30 3870117.00 2.86920b (13020724)
398049.99 3870139.50 2.86262b (13020724)
398040.67 3870162.00 2.86813b (13123124)
398031.35 3870184.50 2.95747b (13123124)
398022.03 3870207.00 3.03807b (13123124)
398012.71 3870229.50 3.10840b (13123124)
398003.39 3870252.00 3.17166b (13123124)
397994.07 3870274.50 3.22693b (13123124)
397984.75 3870297.00 3.27507b (13123124)
397975.43 3870319.50 3.31419b (13123124)
397966.11 3870342.00 3.33968b (13123124)
397956.79 3870364.50 3.35471b (13123124)
397947.47 3870387.00 3.35807b (13123124)
397938.15 3870409.50 3.34805b (13123124)
397928.83 3870432.00 3.32271b (13123124)
397919.51 3870454.50 3.27998b (13123124)
397910.20 3870477.00 3.22117b (13123124)
397900.88 3870499.50 3.14139b (13123124)
397891.56 3870522.00 3.04221b (13123124)
397882.24 3870544.50 2.92633b (13123124)
397872.92 3870567.00 2.79215b (13123124)
397863.60 3870589.51 2.64308b (13123124)
397854.28 3870612.01 2.47892b (13123124)
397844.96 3870634.51 2.30541b (13123124)
397835.64 3870657.01 2.12640b (13123124)
397826.32 3870679.51 2.02578c (11011824)
397817.00 3870702.01 1.94804c (11011824)
397807.68 3870724.51 1.85977c (11011824)
397798.36 3870747.01 1.81425b (13020124)
397789.04 3870769.51 1.99358b (13020124)
397779.72 3870792.01 2.17779b (13020124)
397770.41 3870814.51 2.36759b (13020124)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397761.09 | 3870837.01 | 2.56007b | (13020124) | 397751.77 | 3870859.51 | 2.75457b | (13020124) |
| 397742.45 | 3870882.01 | 2.95055b | (13020124) | 397733.13 | 3870904.51 | 3.14608b | (13020124) |
| 397723.81 | 3870927.01 | 3.33913b | (13020124) | 397691.99 | 3870958.83 | 3.76464b | (13020124) |
| 397669.49 | 3870968.15 | 3.99689b | (13020124) | 397646.99 | 3870977.47 | 4.22203b | (13020124) |
| 397624.49 | 3870986.79 | 4.43696b | (13020124) | 397601.99 | 3870996.11 | 4.63846b | (13020124) |
| 397579.49 | 3871005.43 | 4.82472b | (13020124) | 397556.99 | 3871014.74 | 4.99278b | (13020124) |
| 397534.49 | 3871024.06 | 5.13951b | (13020124) | 397511.99 | 3871033.38 | 5.26219b | (13020124) |
| 397489.49 | 3871042.70 | 5.35941b | (13020124) | 397466.99 | 3871052.02 | 5.43014b | (13020124) |
| 397444.49 | 3871061.34 | 5.47523b | (13020124) | 397421.99 | 3871070.66 | 5.49227b | (13020124) |
| 397399.49 | 3871079.98 | 5.48484b | (13020124) | 397376.99 | 3871089.30 | 5.45095b | (13020124) |
| 397354.49 | 3871098.62 | 5.39190b | (13020124) | 397331.98 | 3871107.94 | 5.31205b | (13020124) |
| 397309.48 | 3871117.26 | 5.20975b | (13020124) | 397286.98 | 3871126.58 | 5.08805b | (13020124) |
| 397264.48 | 3871135.90 | 4.96520b | (13120224) | 397241.98 | 3871145.22 | 4.94645b | (13120224) |
| 397219.48 | 3871154.53 | 4.90769b | (13120224) | 397196.98 | 3871163.85 | 4.84899b | (13120224) |
| 397174.48 | 3871173.17 | 4.77267b | (13120224) | 397151.98 | 3871182.49 | 4.67993b | (13120224) |
| 397129.48 | 3871191.81 | 4.57207b | (13120224) | 397106.98 | 3871201.13 | 4.44834b | (13120224) |

397084.48 3871210.45 4.30716b (13120224)
397061.98 3871219.77 4.15931b (13120224)
397039.48 3871229.09 4.00175b (13120224)
397016.98 3871238.41 3.83404b (13120224)
396994.48 3871247.73 3.65679b (13120224)
396971.98 3871257.05 3.47138b (13120224)
396949.48 3871266.37 3.27215b (13120224)
396926.98 3871275.69 3.32123b (13020524)
396904.48 3871285.01 3.59721b (13020524)
396881.98 3871294.32 3.85776b (13020524)
396859.48 3871303.64 4.09913b (13020524)
396836.98 3871312.96 4.31832b (13020524)
396814.48 3871322.28 4.51337b (13020524)
396791.98 3871331.60 4.68360b (13020524)
396769.48 3871340.92 4.82877b (13020524)
396746.98 3871350.24 4.94973b (13020524)
398124.54 3869959.50 3.65874b (13121624)
398124.54 3869934.61 3.94303b (13121624)
398124.54 3869909.71 4.20260b (13121624)
398124.54 3869884.82 4.43978b (13121624)
398124.54 3869859.93 4.65317b (13121624)
398124.53 3869835.04 4.82797b (13121624)
398124.53 3869810.15 4.99081b (13121624)
398124.53 3869785.26 5.13451b (13121624)
398124.53 3869760.37 5.25667b (13121624)
398124.53 3869735.48 5.35364b (13121624)
398124.53 3869710.58 5.42411b (13121624)
398124.53 3869685.69 5.46285b (13121624)
398124.53 3869660.80 5.49543b (13121624)
398124.53 3869635.91 5.49482b (13121624)
398124.52 3869611.02 5.48666b (13121624)
398124.52 3869586.13 5.47623b (13121624)
398124.52 3869561.24 5.45567b (13121624)
398124.52 3869536.34 5.42629b (13121624)
398124.52 3869511.45 5.38716b (13121624)
398124.52 3869486.56 5.35152b (13121624)
398124.52 3869461.67 5.30307b (13121624)
398124.52 3869436.78 5.23989b (13121624)
398124.52 3869411.89 5.16397b (13121624)
398124.51 3869387.00 5.05460b (13121624)
398124.51 3869362.10 4.94185b (13121624)
398124.51 3869337.21 4.79591b (13121624)
398124.51 3869312.32 4.63111b (13121624)
398124.51 3869287.43 4.44970b (13121624)
398124.51 3869262.54 4.24272b (13121624)
398124.51 3869237.65 4.00601b (13121624)
398124.51 3869212.76 3.76134b (13121624)
398124.51 3869187.86 3.49368b (13121624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 398124.50 | 3869162.97 | 3.20955b | (13121624) | 398124.50 | 3869138.08 | 3.02803b | (13011424) |
| 398124.50 | 3869113.19 | 3.24562b | (13011424) | 398124.50 | 3869088.30 | 3.47455b | (13011424) |
| 398124.50 | 3869063.41 | 3.69539b | (13011424) | 398515.13 | 3869982.21 | 3.05226b | (13121624) |
| 398505.71 | 3870004.94 | 2.84794b | (13121624) | 398496.30 | 3870027.67 | 2.63591b | (13121624) |
| 398486.88 | 3870050.40 | 2.42235b | (13121624) | 398477.47 | 3870073.13 | 2.41821b | (13020724) |
| 398468.05 | 3870095.86 | 2.44465b | (13020724) | 398458.64 | 3870118.59 | 2.46713b | (13020724) |
| 398449.22 | 3870141.32 | 2.48353b | (13020724) | 398439.81 | 3870164.05 | 2.49584b | (13020724) |
| 398430.40 | 3870186.78 | 2.49915b | (13020724) | 398420.98 | 3870209.51 | 2.49739b | (13020724) |
| 398411.57 | 3870232.24 | 2.48593b | (13020724) | 398402.15 | 3870254.97 | 2.46604b | (13020724) |
| 398392.74 | 3870277.70 | 2.43861b | (13020724) | 398383.32 | 3870300.43 | 2.40902b | (13123124) |
| 398373.91 | 3870323.16 | 2.49545b | (13123124) | 398364.49 | 3870345.89 | 2.57436b | (13123124) |
| 398355.08 | 3870368.62 | 2.64602b | (13123124) | 398345.67 | 3870391.35 | 2.71030b | (13123124) |
| 398336.25 | 3870414.08 | 2.76517b | (13123124) | 398326.84 | 3870436.81 | 2.80946b | (13123124) |
| 398317.42 | 3870459.54 | 2.84945b | (13123124) | 398308.01 | 3870482.27 | 2.87813b | (13123124) |
| 398298.59 | 3870505.00 | 2.89677b | (13123124) | 398289.18 | 3870527.73 | 2.90349b | (13123124) |
| 398279.76 | 3870550.46 | 2.89937b | (13123124) | 398270.35 | 3870573.19 | 2.88398b | (13123124) |

398260.94 3870595.92 2.85530b (13123124)
398251.52 3870618.65 2.81373b (13123124)
398242.11 3870641.38 2.75662b (13123124)
398232.69 3870664.11 2.68475b (13123124)
398223.28 3870686.84 2.59801b (13123124)
398213.86 3870709.57 2.49794b (13123124)
398204.45 3870732.30 2.38551b (13123124)
398195.04 3870755.02 2.26065b (13123124)
398185.62 3870777.75 2.12735b (13123124)
398176.21 3870800.48 1.98856b (13123124)
398166.79 3870823.21 1.86971c (11011824)
398157.38 3870845.94 1.82808c (11011824)
398147.96 3870868.67 1.77714c (11011824)
398138.55 3870891.40 1.71692c (11011824)
398129.13 3870914.13 1.64771c (11011824)
398119.72 3870936.86 1.57138c (11011824)
398110.31 3870959.59 1.48806c (11011824)
398100.89 3870982.32 1.40042c (11011824)
398091.48 3871005.05 1.30925c (11011824)
398082.06 3871027.78 1.26943b (13020124)
398072.65 3871050.51 1.40316b (13020124)
398063.23 3871073.24 1.54189b (13020124)
398053.82 3871095.97 1.68572b (13020124)
398044.40 3871118.70 1.83425b (13020124)
398034.99 3871141.43 1.98664b (13020124)
398025.58 3871164.16 2.14203b (13020124)
398016.16 3871186.89 2.29933b (13020124)
398006.75 3871209.62 2.45750b (13020124)
397974.60 3871241.77 2.80932b (13020124)
397951.87 3871251.18 3.00361b (13020124)
397929.14 3871260.60 3.19629b (13020124)
397906.41 3871270.01 3.38541b (13020124)
397883.68 3871279.42 3.56896b (13020124)
397860.95 3871288.84 3.74461b (13020124)
397838.22 3871298.25 3.91029b (13020124)
397815.49 3871307.67 4.06407b (13020124)
397792.76 3871317.08 4.20464b (13020124)
397770.03 3871326.50 4.32917b (13020124)
397747.30 3871335.91 4.43685b (13020124)
397724.57 3871345.33 4.52527b (13020124)
397701.84 3871354.74 4.59473b (13020124)
397679.11 3871364.15 4.64368b (13020124)
397656.38 3871373.57 4.67238b (13020124)
397633.65 3871382.98 4.67965b (13020124)
397610.92 3871392.40 4.66623b (13020124)
397588.19 3871401.81 4.63174b (13020124)
397565.46 3871411.23 4.57724b (13020124)
397542.73 3871420.64 4.50639b (13020124)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397520.01 | 3871430.06 | 4.41723b | (13020124) | 397497.28 | 3871439.47 | 4.31324b | (13020124) |
| 397474.55 | 3871448.88 | 4.23459b | (13120224) | 397451.82 | 3871458.30 | 4.23916b | (13120224) |
| 397429.09 | 3871467.71 | 4.22568b | (13120224) | 397406.36 | 3871477.13 | 4.19487b | (13120224) |
| 397383.63 | 3871486.54 | 4.14752b | (13120224) | 397360.90 | 3871495.96 | 4.08438b | (13120224) |
| 397338.17 | 3871505.37 | 4.00661b | (13120224) | 397315.44 | 3871514.78 | 3.91519b | (13120224) |
| 397292.71 | 3871524.20 | 3.81112b | (13120224) | 397269.98 | 3871533.61 | 3.69527b | (13120224) |
| 397247.25 | 3871543.03 | 3.56708b | (13120224) | 397224.52 | 3871552.44 | 3.43320b | (13120224) |
| 397201.79 | 3871561.86 | 3.28511b | (13120224) | 397179.06 | 3871571.27 | 3.13022b | (13120224) |
| 397156.33 | 3871580.69 | 2.97159b | (13120224) | 397133.60 | 3871590.10 | 2.80782b | (13120224) |
| 397110.87 | 3871599.51 | 2.63986b | (13120224) | 397088.14 | 3871608.93 | 2.46892b | (13120224) |
| 397065.41 | 3871618.34 | 2.29644b | (13120224) | 397042.68 | 3871627.76 | 2.27952b | (13020524) |
| 397019.95 | 3871637.17 | 2.31461b | (13020524) | 396997.22 | 3871646.59 | 2.57096b | (13020524) |
| 396974.49 | 3871656.00 | 2.85049b | (13020524) | 396951.76 | 3871665.42 | 3.11466b | (13020524) |
| 396929.03 | 3871674.83 | 3.35771b | (13020524) | 396906.30 | 3871684.24 | 3.57516b | (13020524) |
| 396883.57 | 3871693.66 | 3.76421b | (13020524) | 396860.84 | 3871703.07 | 3.92380b | (13020524) |
| 396838.11 | 3871712.49 | 4.05450b | (13020524) | 396815.38 | 3871721.90 | 4.15124b | (13020524) |

396792.65 3871731.32 4.17159b (13020524)
396769.92 3871740.73 4.21780b (13020524)
396747.19 3871750.15 4.25367b (13020524)
398524.54 3869959.48 3.24769b (13121624)
398524.54 3869934.59 3.45371b (13121624)
398524.54 3869909.70 3.64482b (13121624)
398524.54 3869884.81 3.82410b (13121624)
398524.54 3869859.91 3.98996b (13121624)
398524.53 3869835.02 4.13223b (13121624)
398524.53 3869810.13 4.26615b (13121624)
398524.53 3869785.24 4.38047b (13121624)
398524.53 3869760.35 4.47906b (13121624)
398524.53 3869735.46 4.56189b (13121624)
398524.53 3869710.57 4.62659b (13121624)
398524.53 3869685.67 4.66817b (13121624)
398524.53 3869660.78 4.70542b (13121624)
398524.53 3869635.89 4.73167b (13121624)
398524.52 3869611.00 4.74561b (13121624)
398524.52 3869586.11 4.74297b (13121624)
398524.52 3869561.22 4.72514b (13121624)
398524.52 3869536.33 4.70378b (13121624)
398524.52 3869511.43 4.66132b (13121624)
398524.52 3869486.54 4.60655b (13121624)
398524.52 3869461.65 4.54387b (13121624)
398524.52 3869436.76 4.46855b (13121624)
398524.52 3869411.87 4.37423b (13121624)
398524.51 3869386.98 4.27131b (13121624)
398524.51 3869362.09 4.14452b (13121624)
398524.51 3869337.19 4.00733b (13121624)
398524.51 3869312.30 3.85160b (13121624)
398524.51 3869287.41 3.67864b (13121624)
398524.51 3869262.52 3.49535b (13121624)
398524.51 3869237.63 3.29225b (13121624)
398524.51 3869212.74 3.08376b (13121624)
398524.51 3869187.85 2.86793b (13121624)
398524.50 3869162.96 2.64222b (13121624)
398524.50 3869138.06 2.41212b (13121624)
398524.50 3869113.17 2.24776b (12123124)
398524.50 3869088.28 2.29352b (12123124)
398524.50 3869063.39 2.33510b (12123124)
398915.06 3869982.34 2.77457b (13121624)
398905.59 3870005.22 2.61072b (13121624)
398896.11 3870028.10 2.44151b (13121624)
398886.64 3870050.98 2.26985b (13121624)
398877.16 3870073.85 2.09803b (13121624)
398867.68 3870096.73 2.01651b (14010124)
398858.21 3870119.61 2.05039b (13020724)
398848.73 3870142.49 2.08896b (13020724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 398839.26 | 3870165.37 | 2.12154b | (13020724) | 398829.78 | 3870188.25 | 2.14977b | (13020724) |
| 398820.30 | 3870211.12 | 2.16985b | (13020724) | 398810.83 | 3870234.00 | 2.18378b | (13020724) |
| 398801.35 | 3870256.88 | 2.19451b | (13020724) | 398791.88 | 3870279.76 | 2.19643b | (13020724) |
| 398782.40 | 3870302.64 | 2.19232b | (13020724) | 398772.92 | 3870325.52 | 2.18095b | (13020724) |
| 398763.45 | 3870348.40 | 2.16167b | (13020724) | 398753.97 | 3870371.27 | 2.13402b | (13020724) |
| 398744.50 | 3870394.15 | 2.10043b | (13020724) | 398735.02 | 3870417.03 | 2.05564b | (13020724) |
| 398725.54 | 3870439.91 | 2.04129b | (13123124) | 398716.07 | 3870462.79 | 2.12583b | (13123124) |
| 398706.59 | 3870485.67 | 2.20293b | (13123124) | 398697.12 | 3870508.54 | 2.27287b | (13123124) |
| 398687.64 | 3870531.42 | 2.33563b | (13123124) | 398678.17 | 3870554.30 | 2.39045b | (13123124) |
| 398668.69 | 3870577.18 | 2.43753b | (13123124) | 398659.21 | 3870600.06 | 2.47802b | (13123124) |
| 398649.74 | 3870622.94 | 2.50913b | (13123124) | 398640.26 | 3870645.81 | 2.53291b | (13123124) |
| 398630.79 | 3870668.69 | 2.54588b | (13123124) | 398621.31 | 3870691.57 | 2.54894b | (13123124) |
| 398611.83 | 3870714.45 | 2.54077b | (13123124) | 398602.36 | 3870737.33 | 2.52179b | (13123124) |
| 398592.88 | 3870760.21 | 2.49160b | (13123124) | 398583.41 | 3870783.09 | 2.45267b | (13123124) |
| 398573.93 | 3870805.96 | 2.40197b | (13123124) | 398564.45 | 3870828.84 | 2.34003b | (13123124) |
| 398554.98 | 3870851.72 | 2.26661b | (13123124) | 398545.50 | 3870874.60 | 2.18034b | (13123124) |

398536.03 3870897.48 2.08548b (13123124)
398526.55 3870920.36 1.98309b (13123124)
398517.07 3870943.23 1.87249b (13123124)
398507.60 3870966.11 1.75623b (13123124)
398498.12 3870988.99 1.68726c (11011824)
398488.65 3871011.87 1.66246c (11011824)
398479.17 3871034.75 1.62913c (11011824)
398469.69 3871057.63 1.58848c (11011824)
398460.22 3871080.50 1.53949c (11011824)
398450.74 3871103.38 1.48362c (11011824)
398441.27 3871126.26 1.42214c (11011824)
398431.79 3871149.14 1.35425c (11011824)
398422.31 3871172.02 1.28178c (11011824)
398412.84 3871194.90 1.20568c (11011824)
398403.36 3871217.78 1.12699c (11011824)
398393.89 3871240.65 1.04701c (11011824)
398384.41 3871263.53 0.96638c (11011824)
398374.93 3871286.41 0.88591c (11011824)
398365.46 3871309.29 0.91754b (13020124)
398355.98 3871332.17 1.01807b (13020124)
398346.51 3871355.05 1.12319b (13020124)
398337.03 3871377.92 1.23344b (13020124)
398327.55 3871400.80 1.34795b (13020124)
398318.08 3871423.68 1.46651b (13020124)
398308.60 3871446.56 1.58887b (13020124)
398299.13 3871469.44 1.71428b (13020124)
398289.65 3871492.32 1.84196b (13020124)
398257.30 3871524.67 2.12776b (13020124)
398234.42 3871534.15 2.28756b (13020124)
398211.54 3871543.62 2.44843b (13020124)
398188.66 3871553.10 2.60946b (13020124)
398165.78 3871562.57 2.76918b (13020124)
398142.90 3871572.05 2.92582b (13020124)
398120.03 3871581.53 3.07846b (13020124)
398097.15 3871591.00 3.22488b (13020124)
398074.27 3871600.48 3.36389b (13020124)
398051.39 3871609.95 3.49346b (13020124)
398028.51 3871619.43 3.61325b (13020124)
398005.63 3871628.91 3.72119b (13020124)
397982.76 3871638.38 3.81541b (13020124)
397959.88 3871647.86 3.89595b (13020124)
397937.00 3871657.33 3.96118b (13020124)
397914.12 3871666.81 4.01130b (13020124)
397891.24 3871676.29 4.04480b (13020124)
397868.36 3871685.76 4.06179b (13020124)
397845.48 3871695.24 4.06217b (13020124)
397822.61 3871704.71 4.04598b (13020124)
397799.73 3871714.19 4.01327b (13020124)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397776.85 | 3871723.67 | 3.96522b | (13020124) | 397753.97 | 3871733.14 | 3.90213b | (13020124) |
| 397731.09 | 3871742.62 | 3.82477b | (13020124) | 397708.21 | 3871752.09 | 3.73405b | (13020124) |
| 397685.34 | 3871761.57 | 3.67249b | (13120224) | 397662.46 | 3871771.05 | 3.69062b | (13120224) |
| 397639.58 | 3871780.52 | 3.69366b | (13120224) | 397616.70 | 3871790.00 | 3.68243b | (13120224) |
| 397593.82 | 3871799.47 | 3.65606b | (13120224) | 397570.94 | 3871808.95 | 3.61564b | (13120224) |
| 397548.07 | 3871818.43 | 3.56187b | (13120224) | 397525.19 | 3871827.90 | 3.49468b | (13120224) |
| 397502.31 | 3871837.38 | 3.41581b | (13120224) | 397479.43 | 3871846.85 | 3.38042b | (13120224) |
| 397456.55 | 3871856.33 | 3.26455b | (13120224) | 397433.67 | 3871865.81 | 3.13925b | (13120224) |
| 397410.79 | 3871875.28 | 3.00347b | (13120224) | 397387.92 | 3871884.76 | 2.86040b | (13120224) |
| 397365.04 | 3871894.23 | 2.70958b | (13120224) | 397342.16 | 3871903.71 | 2.55122b | (13120224) |
| 397319.28 | 3871913.19 | 2.38735b | (13120224) | 397296.40 | 3871922.66 | 2.21840b | (13120224) |
| 397273.52 | 3871932.14 | 2.04626b | (13120224) | 397250.65 | 3871941.61 | 1.87582b | (13120224) |
| 397227.77 | 3871951.09 | 1.71903b | (13120224) | 397204.89 | 3871960.56 | 1.55162b | (13120224) |
| 397182.01 | 3871970.04 | 1.53345c | (09020224) | 397159.13 | 3871979.52 | 1.55518c | (09020224) |
| 397136.25 | 3871988.99 | 1.56935c | (09020224) | 397113.38 | 3871998.47 | 1.67908b | (13020524) |
| 397090.50 | 3872007.94 | 1.91320b | (13020524) | 397067.62 | 3872017.42 | 2.15045b | (13020524) |

397044.74 3872026.90 2.38583b (13020524)
397021.86 3872036.37 2.61421b (13020524)
396998.98 3872045.85 2.83100b (13020524)
396976.10 3872055.32 3.03228b (13020524)
396953.23 3872064.80 3.21498b (13020524)
396930.35 3872074.28 3.37710b (13020524)
396907.47 3872083.75 3.51625b (13020524)
396884.59 3872093.23 3.60514b (13020524)
396861.71 3872102.70 3.69359b (13020524)
396838.83 3872112.18 3.76800b (13020524)
396815.96 3872121.66 3.82512b (13020524)
396793.08 3872131.13 3.86736b (13020524)
396770.20 3872140.61 3.85729b (13020524)
396747.32 3872150.08 3.83533b (13020524)
398924.54 3869959.46 2.93083b (13121624)
398924.54 3869934.57 3.09354b (13121624)
398924.54 3869909.68 3.24998b (13121624)
398924.54 3869884.79 3.39778b (13121624)
398924.54 3869859.90 3.53392b (13121624)
398924.53 3869835.00 3.65621b (13121624)
398924.53 3869810.11 3.76732b (13121624)
398924.53 3869785.22 3.85828b (13121624)
398924.53 3869760.33 3.93842b (13121624)
398924.53 3869735.44 4.00475b (13121624)
398924.53 3869710.55 4.05552b (13121624)
398924.53 3869685.66 4.10084b (13121624)
398924.53 3869660.77 4.13159b (13121624)
398924.53 3869635.87 4.15255b (13121624)
398924.52 3869610.98 4.15596b (13121624)
398924.52 3869586.09 4.14715b (13121624)
398924.52 3869561.20 4.12992b (13121624)
398924.52 3869536.31 4.09471b (13121624)
398924.52 3869511.42 4.05656b (13121624)
398924.52 3869486.53 3.99861b (13121624)
398924.52 3869461.63 3.93147b (13121624)
398924.52 3869436.74 3.85328b (13121624)
398924.52 3869411.85 3.75766b (13121624)
398924.51 3869386.96 3.65808b (13121624)
398924.51 3869362.07 3.54435b (13121624)
398924.51 3869337.18 3.41353b (13121624)
398924.51 3869312.29 3.27328b (13121624)
398924.51 3869287.39 3.12544b (13121624)
398924.51 3869262.50 2.96875b (13121624)
398924.51 3869237.61 2.80333b (13121624)
398924.51 3869212.72 2.63100b (13121624)
398924.51 3869187.83 2.44947b (13121624)
398924.50 3869162.94 2.26656b (13121624)
398924.50 3869138.05 2.08546b (13121624)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 398924.50 | 3869113.15 | 1.90500b | (13121624) | 398924.50 | 3869088.26 | 1.77204b | (12123124) |
| 398924.50 | 3869063.37 | 1.84169b | (12123124) | 399315.02 | 3869982.43 | 2.55408b | (13121624) |
| 399305.50 | 3870005.41 | 2.42188b | (13121624) | 399295.98 | 3870028.39 | 2.28647b | (13121624) |
| 399286.46 | 3870051.37 | 2.14777b | (13121624) | 399276.94 | 3870074.36 | 2.00630b | (13121624) |
| 399267.43 | 3870097.34 | 1.90001b | (14010124) | 399257.91 | 3870120.32 | 1.84697b | (14010124) |
| 399248.39 | 3870143.30 | 1.78545b | (14010124) | 399238.87 | 3870166.29 | 1.73153b | (13020724) |
| 399229.35 | 3870189.27 | 1.77959b | (13020724) | 399219.83 | 3870212.25 | 1.82224b | (13020724) |
| 399210.31 | 3870235.23 | 1.85810b | (13020724) | 399200.79 | 3870258.22 | 1.88851b | (13020724) |
| 399191.27 | 3870281.20 | 1.91608b | (13020724) | 399181.75 | 3870304.18 | 1.93578b | (13020724) |
| 399172.24 | 3870327.16 | 1.94980b | (13020724) | 399162.72 | 3870350.15 | 1.95976b | (13020724) |
| 399153.20 | 3870373.13 | 1.96132b | (13020724) | 399143.68 | 3870396.11 | 1.95612b | (13020724) |
| 399134.16 | 3870419.09 | 1.94564b | (13020724) | 399124.64 | 3870442.07 | 1.92924b | (13020724) |
| 399115.12 | 3870465.06 | 1.90330b | (13020724) | 399105.60 | 3870488.04 | 1.86999b | (13020724) |
| 399096.08 | 3870511.02 | 1.83132b | (13020724) | 399086.56 | 3870534.00 | 1.78442b | (13020724) |
| 399077.05 | 3870556.99 | 1.72839b | (13020724) | 399067.53 | 3870579.97 | 1.74960b | (13123124) |
| 399058.01 | 3870602.95 | 1.82794b | (13123124) | 399048.49 | 3870625.93 | 1.90108b | (13123124) |

399038.97 3870648.92 1.96902b (13123124)
399029.45 3870671.90 2.03340b (13123124)
399019.93 3870694.88 2.08874b (13123124)
399010.41 3870717.86 2.13853b (13123124)
399000.89 3870740.85 2.18175b (13123124)
398991.37 3870763.83 2.21491b (13123124)
398981.85 3870786.81 2.24288b (13123124)
398972.34 3870809.79 2.26285b (13123124)
398962.82 3870832.78 2.27358b (13123124)
398953.30 3870855.76 2.27271b (13123124)
398943.78 3870878.74 2.26419b (13123124)
398934.26 3870901.72 2.24496b (13123124)
398924.74 3870924.71 2.21669b (13123124)
398915.22 3870947.69 2.17711b (13123124)
398905.70 3870970.67 2.12969b (13123124)
398896.18 3870993.65 2.07289b (13123124)
398886.66 3871016.64 2.00860b (13123124)
398877.15 3871039.62 1.93607b (13123124)
398867.63 3871062.60 1.85427b (13123124)
398858.11 3871085.58 1.76727b (13123124)
398848.59 3871108.56 1.67378b (13123124)
398839.07 3871131.55 1.57570b (13123124)
398829.55 3871154.53 1.53031c (11011824)
398820.03 3871177.51 1.51831c (11011824)
398810.51 3871200.49 1.49938c (11011824)
398800.99 3871223.48 1.47289c (11011824)
398791.47 3871246.46 1.43961c (11011824)
398781.96 3871269.44 1.40078c (11011824)
398772.44 3871292.42 1.35487c (11011824)
398762.92 3871315.41 1.30313c (11011824)
398753.40 3871338.39 1.24683c (11011824)
398743.88 3871361.37 1.18605c (11011824)
398734.36 3871384.35 1.12230c (11011824)
398724.84 3871407.34 1.05565c (11011824)
398715.32 3871430.32 0.98679c (11011824)
398705.80 3871453.30 0.91702c (11011824)
398696.28 3871476.28 0.84698c (11011824)
398686.77 3871499.27 0.77739c (11011824)
398677.25 3871522.25 0.70864c (11011824)
398667.73 3871545.23 0.71027c (10020124)
398658.21 3871568.21 0.73307c (10020124)
398648.69 3871591.20 0.75342c (10020124)
398639.17 3871614.18 0.77110c (10020124)
398629.65 3871637.16 0.83939b (13020124)
398620.13 3871660.14 0.92354b (13020124)
398610.61 3871683.13 1.01197b (13020124)
398601.09 3871706.11 1.10441b (13020124)
398591.57 3871729.09 1.20055b (13020124)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 398582.06 | 3871752.07 | 1.29987b | (13020124) | 398572.54 | 3871775.06 | 1.40229b | (13020124) |
| 398540.04 | 3871807.56 | 1.63344b | (13020124) | 398517.05 | 3871817.08 | 1.76340b | (13020124) |
| 398494.07 | 3871826.59 | 1.89610b | (13020124) | 398471.09 | 3871836.11 | 2.03081b | (13020124) |
| 398448.11 | 3871845.63 | 2.16642b | (13020124) | 398425.12 | 3871855.15 | 2.30199b | (13020124) |
| 398402.14 | 3871864.67 | 2.43620b | (13020124) | 398379.16 | 3871874.19 | 2.56834b | (13020124) |
| 398356.18 | 3871883.71 | 2.69655b | (13020124) | 398333.19 | 3871893.23 | 2.82033b | (13020124) |
| 398310.21 | 3871902.75 | 2.93843b | (13020124) | 398287.23 | 3871912.27 | 3.04895b | (13020124) |
| 398264.25 | 3871921.78 | 3.15108b | (13020124) | 398241.26 | 3871931.30 | 3.24394b | (13020124) |
| 398218.28 | 3871940.82 | 3.32650b | (13020124) | 398195.30 | 3871950.34 | 3.39855b | (13020124) |
| 398172.32 | 3871959.86 | 3.45968b | (13020124) | 398149.33 | 3871969.38 | 3.50914b | (13020124) |
| 398126.35 | 3871978.90 | 3.54538b | (13020124) | 398103.37 | 3871988.42 | 3.56770b | (13020124) |
| 398080.39 | 3871997.94 | 3.57624b | (13020124) | 398057.40 | 3872007.46 | 3.57102b | (13020124) |
| 398034.42 | 3872016.98 | 3.55202b | (13020124) | 398011.44 | 3872026.49 | 3.51970b | (13020124) |
| 397988.46 | 3872036.01 | 3.64817b | (13020124) | 397965.47 | 3872045.53 | 3.57208b | (13020124) |
| 397942.49 | 3872055.05 | 3.34706b | (13020124) | 397919.51 | 3872064.57 | 3.26884b | (13020124) |
| 397896.53 | 3872074.09 | 3.21167b | (13120224) | 397873.55 | 3872083.61 | 3.23964b | (13120224) |

397850.56 3872093.13 3.43121b (13120224)
397827.58 3872102.65 3.42937b (13120224)
397804.60 3872112.17 3.41151b (13120224)
397781.62 3872121.68 3.37922b (13120224)
397758.63 3872131.20 3.33102b (13120224)
397735.65 3872140.72 3.27257b (13120224)
397712.67 3872150.24 3.20323b (13120224)
397689.69 3872159.76 3.12044b (13120224)
397666.70 3872169.28 3.02629b (13120224)
397643.72 3872178.80 2.92214b (13120224)
397620.74 3872188.32 2.80773b (13120224)
397597.76 3872197.84 2.68457b (13120224)
397574.77 3872207.36 2.55138b (13120224)
397551.79 3872216.87 2.41365b (13120224)
397528.81 3872226.39 2.26922b (13120224)
397505.83 3872235.91 2.12123b (13120224)
397482.84 3872245.43 1.97248b (13120224)
397459.86 3872254.95 1.82143b (13120224)
397436.88 3872264.47 1.67011b (13120224)
397413.90 3872273.99 1.51918b (13120224)
397390.91 3872283.51 1.36603b (13120224)
397367.93 3872293.03 1.22471b (13120224)
397344.95 3872302.55 1.27920c (09020224)
397321.97 3872312.07 1.32451c (09020224)
397298.98 3872321.58 1.35977c (09020224)
397276.00 3872331.10 1.38766c (09020224)
397253.02 3872340.62 1.40660c (09020224)
397230.04 3872350.14 1.42416c (09020224)
397207.05 3872359.66 1.43121c (09020224)
397184.07 3872369.18 1.43186c (09020224)
397161.09 3872378.70 1.56136b (13020524)
397138.11 3872388.22 1.75455b (13020524)
397115.13 3872397.74 1.94533b (13020524)
397092.14 3872407.26 2.13617b (13020524)
397069.16 3872416.77 2.32198b (13020524)
397046.18 3872426.29 2.50902b (13020524)
397023.20 3872435.81 2.68155b (13020524)
397000.21 3872445.33 2.83731b (13020524)
396977.23 3872454.85 2.95781b (13020524)
396954.25 3872464.37 3.07510b (13020524)
396931.27 3872473.89 3.19292b (13020524)
396908.28 3872483.41 3.23951b (13020524)
396885.30 3872492.93 3.31448b (13020524)
396862.32 3872502.45 3.37286b (13020524)
396839.34 3872511.96 3.37117b (13020524)
396816.35 3872521.48 3.34893b (13020524)
396793.37 3872531.00 3.36471b (13020524)
396770.39 3872540.52 3.28909b (13020524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396747.41 | 3872550.04 | 3.11200b | (13020524) | 399324.54 | 3869959.44 | 2.68214b | (13121624) |
| 399324.54 | 3869934.55 | 2.81579b | (13121624) | 399324.54 | 3869909.66 | 2.94349b | (13121624) |
| 399324.54 | 3869884.77 | 3.06401b | (13121624) | 399324.54 | 3869859.88 | 3.17560b | (13121624) |
| 399324.53 | 3869834.99 | 3.27730b | (13121624) | 399324.53 | 3869810.10 | 3.36446b | (13121624) |
| 399324.53 | 3869785.20 | 3.44443b | (13121624) | 399324.53 | 3869760.31 | 3.51408b | (13121624) |
| 399324.53 | 3869735.42 | 3.57269b | (13121624) | 399324.53 | 3869710.53 | 3.62002b | (13121624) |
| 399324.53 | 3869685.64 | 3.65627b | (13121624) | 399324.53 | 3869660.75 | 3.67669b | (13121624) |
| 399324.53 | 3869635.86 | 3.68614b | (13121624) | 399324.52 | 3869610.96 | 3.68665b | (13121624) |
| 399324.52 | 3869586.07 | 3.67827b | (13121624) | 399324.52 | 3869561.18 | 3.65798b | (13121624) |
| 399324.52 | 3869536.29 | 3.62291b | (13121624) | 399324.52 | 3869511.40 | 3.58143b | (13121624) |
| 399324.52 | 3869486.51 | 3.52557b | (13121624) | 399324.52 | 3869461.62 | 3.46061b | (13121624) |
| 399324.52 | 3869436.72 | 3.38649b | (13121624) | 399324.52 | 3869411.83 | 3.30111b | (13121624) |
| 399324.51 | 3869386.94 | 3.20204b | (13121624) | 399324.51 | 3869362.05 | 3.09383b | (13121624) |
| 399324.51 | 3869337.16 | 2.97906b | (13121624) | 399324.51 | 3869312.27 | 2.85691b | (13121624) |
| 399324.51 | 3869287.38 | 2.72707b | (13121624) | 399324.51 | 3869262.49 | 2.59015b | (13121624) |
| 399324.51 | 3869237.59 | 2.44470b | (13121624) | 399324.51 | 3869212.70 | 2.29817b | (13121624) |

399324.51 3869187.81 2.14895b (13121624)
399324.50 3869162.92 1.99725b (13121624)
399324.50 3869138.03 1.84446b (13121624)
399324.50 3869113.14 1.69304b (13121624)
399324.50 3869088.25 1.54340b (13121624)
399324.50 3869063.35 1.53655b (13121824)
395826.53 3869959.52 6.51595b (12120524)
395828.79 3869063.47 15.11341b (13122724)
396724.50 3869063.47 13.59072b (13010324)
396724.54 3869959.56 11.69534b (13020124)
395826.59 3869934.63 6.70769b (12120524)
395826.66 3869909.74 6.80701b (12120524)
395826.72 3869884.85 6.82960b (12120524)
395826.78 3869859.96 6.81490b (12120524)
395826.84 3869835.07 7.31155b (13121724)
395826.91 3869810.18 8.17011b (13121724)
395826.97 3869785.29 8.97820b (13121724)
395827.03 3869760.40 9.73891b (13121724)
395827.10 3869735.51 10.45198b (13121724)
395827.16 3869710.62 11.12002b (13121724)
395827.22 3869685.73 11.75542b (13121724)
395827.28 3869660.84 12.20058b (13121724)
395827.35 3869635.95 12.75173b (13121724)
395827.41 3869611.06 13.24038b (13121724)
395827.47 3869586.17 13.70674b (13121724)
395827.53 3869561.28 14.13655b (13121724)
395827.60 3869536.39 14.52752b (13121724)
395827.66 3869511.50 14.91340b (13121724)
395827.72 3869486.60 15.22363b (13121724)
395827.79 3869461.71 15.47872b (13121724)
395827.85 3869436.82 15.73981b (13121724)
395827.91 3869411.93 15.93519b (13121724)
395827.97 3869387.04 16.11481b (13121724)
395828.04 3869362.15 16.27168b (13121724)
395828.10 3869337.26 16.39438b (13121724)
395828.16 3869312.37 16.48823b (13121724)
395828.22 3869287.48 16.55417b (13121724)
395828.29 3869262.59 16.59724b (13121724)
395828.35 3869237.70 16.61498b (13121724)
395828.41 3869212.81 16.60503b (13121724)
395828.48 3869187.92 16.56414b (13121724)
395828.54 3869163.03 16.48741b (13121724)
395828.60 3869138.14 16.35554b (13121724)
395828.66 3869113.25 16.05178b (13121724)
395828.73 3869088.36 15.67620b (13121724)
395853.67 3869063.47 15.21770b (13122724)
395878.55 3869063.47 15.21968b (13122724)
395903.43 3869063.47 15.21444b (13122724)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395928.31 | 3869063.47 | 14.97474b | (13122724) | 395953.19 | 3869063.47 | 14.35590b | (13122724) |
| 395978.07 | 3869063.47 | 14.35043b | (13122724) | 396002.96 | 3869063.47 | 14.35921b | (13122724) |
| 396027.84 | 3869063.47 | 14.34929b | (13122724) | 396052.72 | 3869063.47 | 14.03888b | (13122724) |
| 396077.60 | 3869063.47 | 13.68927b | (13122724) | 396102.48 | 3869063.47 | 13.66494b | (13122724) |
| 396127.36 | 3869063.47 | 13.64755b | (13122724) | 396152.24 | 3869063.47 | 13.62717b | (13122724) |
| 396177.12 | 3869063.47 | 13.58526b | (13122724) | 396202.00 | 3869063.47 | 13.31504b | (13122724) |
| 396226.88 | 3869063.47 | 12.98308b | (13122724) | 396251.76 | 3869063.47 | 12.89661b | (13122724) |
| 396276.64 | 3869063.47 | 12.80373b | (13122724) | 396301.53 | 3869063.47 | 12.67282b | (13122724) |
| 396326.41 | 3869063.47 | 12.28481b | (13122724) | 396351.29 | 3869063.47 | 11.86506b | (13122724) |
| 396376.17 | 3869063.47 | 11.57657b | (12122824) | 396401.05 | 3869063.47 | 11.93191b | (12122824) |
| 396425.93 | 3869063.47 | 12.27770b | (12122824) | 396450.81 | 3869063.47 | 12.45147b | (12122824) |
| 396475.69 | 3869063.47 | 12.63430b | (12122824) | 396500.57 | 3869063.47 | 12.84543b | (12122824) |
| 396525.45 | 3869063.47 | 13.06628b | (12122824) | 396550.33 | 3869063.47 | 13.20787b | (12122824) |
| 396575.21 | 3869063.47 | 13.34457b | (12122824) | 396600.10 | 3869063.47 | 13.43320b | (12122824) |
| 396624.98 | 3869063.47 | 13.42990b | (12122824) | 396649.86 | 3869063.47 | 13.40409b | (12122824) |
| 396674.74 | 3869063.47 | 13.48977b | (12120724) | 396699.62 | 3869063.47 | 13.55399b | (12120724) |

396724.50 3869088.36 13.33790b (12120724)
396724.50 3869113.25 13.26474b (12120724)
396724.50 3869138.14 13.15783b (12120724)
396724.50 3869163.04 13.01388b (12120724)
396724.51 3869187.93 12.83836b (12120724)
396724.51 3869212.82 12.62931b (12120724)
396724.51 3869237.71 12.39337b (12120724)
396724.51 3869262.60 12.13009b (12120724)
396724.51 3869287.49 11.83454b (12120724)
396724.51 3869312.38 11.51190b (12120724)
396724.51 3869337.28 11.29706b (13011424)
396724.51 3869362.17 11.33311b (13011424)
396724.51 3869387.06 11.48691b (13011424)
396724.52 3869411.95 11.43926b (13011424)
396724.52 3869436.84 11.43226b (13121624)
396724.52 3869461.73 11.44121b (13121624)
396724.52 3869486.62 11.47242b (13121624)
396724.52 3869511.52 11.49513b (13121624)
396724.52 3869536.41 11.56295b (13121624)
396724.52 3869561.30 11.80158b (13121624)
396724.52 3869586.19 11.83198b (13121624)
396724.52 3869611.08 11.83316b (13121624)
396724.53 3869635.97 11.83396b (13121624)
396724.53 3869660.86 11.83392b (13121624)
396724.53 3869685.75 11.83229b (13121624)
396724.53 3869710.65 11.82764b (13121624)
396724.53 3869735.54 12.08547b (13121624)
396724.53 3869760.43 12.21039b (13121624)
396724.53 3869785.32 12.17946b (13121624)
396724.53 3869810.21 12.11047b (13121624)
396724.53 3869835.10 12.00250b (13121624)
396724.54 3869859.99 11.79911b (13121624)
396724.54 3869884.89 11.66476b (13020124)
396724.54 3869909.78 11.70419b (13020124)
396724.54 3869934.67 11.65815b (13020124)
396699.60 3869959.56 11.67907b (13020124)
396674.65 3869959.56 11.65177b (13020124)
396649.71 3869959.56 11.63500b (13120224)
396624.76 3869959.56 11.66992b (13120224)
396599.82 3869959.55 11.80710b (13120224)
396574.87 3869959.55 12.06738b (13120224)
396549.93 3869959.55 12.04026b (13120224)
396524.98 3869959.55 11.99681b (13120224)
396500.04 3869959.55 11.99220b (13120224)
396475.09 3869959.55 12.16097b (13120224)
396450.15 3869959.55 12.34370b (13120224)
396425.20 3869959.55 12.23772b (13120224)
396400.26 3869959.55 12.16187b (13020524)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396375.31 | 3869959.54 | 12.15740b | (13020524) | 396350.37 | 3869959.54 | 12.15173b | (13020524) |
| 396325.42 | 3869959.54 | 12.15713b | (13020524) | 396300.48 | 3869959.54 | 12.13631b | (13020524) |
| 396275.54 | 3869959.54 | 12.14108b | (13020524) | 396250.59 | 3869959.54 | 12.20837b | (13020524) |
| 396225.65 | 3869959.54 | 12.22875b | (13020524) | 396200.70 | 3869959.54 | 12.21257b | (13020524) |
| 396175.76 | 3869959.54 | 12.18720b | (13020524) | 396150.81 | 3869959.53 | 12.14761b | (13020524) |
| 396125.87 | 3869959.53 | 12.08839b | (13020524) | 396100.92 | 3869959.53 | 12.01606b | (13020524) |
| 396075.98 | 3869959.53 | 12.02459b | (13020524) | 396051.03 | 3869959.53 | 11.88831b | (13020524) |
| 396026.09 | 3869959.53 | 11.63907b | (13020524) | 396001.14 | 3869959.53 | 11.28508b | (13020524) |
| 395976.20 | 3869959.53 | 10.79823b | (13020524) | 395951.25 | 3869959.53 | 10.13184b | (13020524) |
| 395926.31 | 3869959.52 | 9.28546b | (13020524) | 395901.36 | 3869959.52 | 8.31085b | (13020524) |
| 395876.42 | 3869959.52 | 6.96589b | (13020524) | 395851.47 | 3869959.52 | 6.52717b | (12120524) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD ( 43872 HRS) RESULTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| NETWORK GROUP ID | | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE | GRID-ID |
|---|---|---|---|---|
| ALL | 1ST HIGHEST VALUE IS | 0.84520 | AT ( 396724.53, 3869760.43, 774.00, 774.00, 0.00) | DC |
| | 2ND HIGHEST VALUE IS | 0.84470 | AT ( 396724.53, 3869735.54, 773.67, 773.67, 0.00) | DC |
| | 3RD HIGHEST VALUE IS | 0.84460 | AT ( 396724.52, 3869611.08, 773.00, 773.00, 0.00) | DC |
| | 4TH HIGHEST VALUE IS | 0.84428 | AT ( 396724.52, 3869586.19, 773.00, 773.00, 0.00) | DC |
| | 5TH HIGHEST VALUE IS | 0.84416 | AT ( 396724.53, 3869635.97, 773.00, 773.00, 0.00) | DC |
| | 6TH HIGHEST VALUE IS | 0.84282 | AT ( 396724.53, 3869660.86, 773.00, 773.00, 0.00) | DC |
| | 7TH HIGHEST VALUE IS | 0.84129 | AT ( 396724.52, 3869561.30, 772.88, 772.88, 0.00) | DC |
| | 8TH HIGHEST VALUE IS | 0.84087 | AT ( 396724.53, 3869685.75, 773.00, 773.00, 0.00) | DC |
| | 9TH HIGHEST VALUE IS | 0.83870 | AT ( 396724.53, 3869785.32, 774.00, 774.00, 0.00) | DC |
| | 10TH HIGHEST VALUE IS | 0.83799 | AT ( 396724.53, 3869710.65, 773.00, 773.00, 0.00) | DC |

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF ALL IN MICROGRAMS/M**3 **

| GROUP ID | AVERAGE CONC | DATE (YYMMDDHH) | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | OF TYPE | NETWORK GRID-ID |
|---|---|---|---|---|---|
| ALL HIGH 1ST HIGH VALUE IS | 16.61498b | ON 13121724: | AT ( 395828.35, 3869237.70, 777.00, 777.00, 0.00) | DC | |

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            0 Warning Message(s)
 A Total of         8029 Informational Message(s)

 A Total of        43872 Hours Were Processed

 A Total of         5748 Calm Hours Identified

 A Total of         2281 Missing Hours Identified (  5.20 Percent)


    ******** FATAL ERROR MESSAGES ********
                ***  NONE  ***


    ********   WARNING MESSAGES   ********
                ***  NONE  ***


    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
```

# Results Summary

C:\Lakes\AERMOD View\EAFB_Solar\EAFB_Solar.isc

**ALL - Concentration - Source Group: ALL**

| Averaging Period | Rank | Peak | Units | X (m) | Y (m) | ZELEV (m) | ZFLAG (m) | ZHILL (m) | Peak Date, Start Hour |
|---|---|---|---|---|---|---|---|---|---|
| 24-HR | 1ST | 16.61498 | ug/m^3 | 395828.35 | 3869237.70 | 777.00 | 0.00 | 777.00 | 12/17/2013, 24 |
| PERIOD | | 0.84520 | ug/m^3 | 396724.53 | 3869760.43 | 774.00 | 0.00 | 774.00 | |

**Ambient Air Quality Analysis - Edwards AFB Solar Project - Unmitigated Scenario**

**Table 1. Max Emission Rates (lbs/day) for Project - (Summer/Winter Maximum from CalEEMod)**

| Max Rates | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|
| Total Daily, lbs/day | 545.69 | 65.39 |
| Daily Max, g/s | 8.59 | 1.03 |
| Hourly Max lbs/hr | 68.21 | 8.17 |

Note: The lbs/day values are maximum from summer and winter outputs from CalEEMod. Conversion assumes 8 hr workday

**Table 2. AERMOD Maximum Impact X/Q, $(ug/m^3)/(g/s)$**

| Max 24-Hour | Max Annual |
|---|---|
| 16.61 | 0.85 |

Note: These concentrations are based on the AERMOD Results Summary Report

**Table 3. Project Contribution Concentrations (ug/m3)**

| Pollutant | CAS No. | Hr. Max (g/s) (from Table 1) | X/Q (ug/m3)/(g/s) (from Table 2) | Project Concentration (ug/m3) |
|---|---|---|---|---|
| 24-hour $PM_{10}$ | 85101 | 8.59 | 16.61 | 142.80 |
| Annual $PM_{10}$ | 85101 | 8.59 | 0.85 | 7.26 |
| 24-hour $PM_{2.5}$ | 88101 | 1.03 | 16.61 | 17.11 |
| Annual $PM_{2.5}$ | 88101 | 1.03 | 0.85 | 0.87 |

**Table 4. AAQA for Edwards AFB Solar Construction Project**

| Impact Parameter | Applicable Standard | Project Area Maximum Background Concentration (Years 2014-2016) | | Project Contribution (ug/m3) | Cumulative Concentration (ug/m3) | AAQS Threshold (ug/m3) | Step 1 Significance | SIL (ug/m3) | Step 2 Significance |
|---|---|---|---|---|---|---|---|---|---|
| | | ppmv | $ug/m^3$ | | | | | | |
| 24-hour $PM_{10}$ | State | -- | 171 | 142.80 | 314 | 50 | Step 2 | 5 | FAIL |
| | Federal | -- | 184 | 142.80 | 327 | 150 | Step 2 | 5 | FAIL |
| Annual $PM_{10}$ | State | -- | 24 | 7.26 | 31 | 20 | Step 2 | 1 | FAIL |
| 24-hour $PM_{2.5}$ | Federal | -- | 42 | 17.11 | 59 | 35 | Step 2 | 5 | FAIL |
| Annual $PM_{2.5}$ | State | -- | 6 | 0.87 | 7 | 12 | Pass | 1 | Step 1 |
| | Federal | -- | 8 | 0.87 | 8 | 12 | Pass | 1 | Step 1 |

Sources:

CARB. 2016. “Ambient Air Quality Standards.” May 4, 2016. Accessed October 2017. http://www.arb.ca.gov/research/aaqs/aaqs2.pdf.

CARB. 2017. “iADAM: Air Quality Data Statistics.” Accessed October 2017. https://www.arb.ca.gov/adam/topfour/topfour1.php.

**Ambient Air Quality Analysis - Edwards AFB Solar Project - Mitigated Scenario**

**Table 1. Max Emission Rates (lbs/day) for Project - (Summer/Winter Maximum from CalEEMod)**

| Max Rates | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|
| Total Daily, lbs/day | 165.86 | 25.03 |
| Daily Max, g/s | 2.61 | 0.39 |
| Hourly Max lbs/hr | 20.73 | 3.13 |

Note: The lbs/day values are maximum from summer and winter outputs from CalEEMod. Conversion assumes 8 hr workday

**Table 2. AERMOD Maximum Impact X/Q, $(ug/m^3)/(g/s)$**

| Max 24-Hour | Max Annual |
|---|---|
| 16.61 | 0.85 |

Note: These concentrations are based on the AERMOD Results Summary Report

**Table 3. Project Contribution Concentrations (ug/m3)**

| Pollutant | CAS No. | Hr. Max (g/s) (from Table 1) | X/Q (ug/m3)/(g/s) (from Table 2) | Project Concentration (ug/m3) |
|---|---|---|---|---|
| 24-hour $PM_{10}$ | 85101 | 2.61 | 16.61 | 43.40 |
| Annual $PM_{10}$ | 85101 | 2.61 | 0.85 | 2.21 |
| 24-hour $PM_{2.5}$ | 88101 | 0.39 | 16.61 | 6.55 |
| Annual $PM_{2.5}$ | 88101 | 0.39 | 0.85 | 0.33 |

**Table 4. AAQA for Edwards AFB Solar Construction Project**

| Impact Parameter | Applicable Standard | Project Area Maximum Background Concentration (Years 2014-2016) | | Project Contribution (ug/m3) | Cumulative Concentration (ug/m3) | AAQS Threshold (ug/m3) | Step 1 Significance | SIL (ug/m3) | Step 2 Significance |
|---|---|---|---|---|---|---|---|---|---|
| | | ppmv | $ug/m^3$ | | | | | | |
| 24-hour $PM_{10}$ | State | -- | 171 | 43.40 | 214 | 50 | Step 2 | 5 | FAIL |
| | Federal | -- | 184 | 43.40 | 228 | 150 | Step 2 | 5 | FAIL |
| Annual $PM_{10}$ | State | -- | 24 | 2.21 | 26 | 20 | Step 2 | 1 | FAIL |
| 24-hour $PM_{2.5}$ | Federal | -- | 42 | 6.55 | 49 | 35 | Step 2 | 5 | FAIL |
| Annual $PM_{2.5}$ | State | -- | 6 | 0.33 | 6 | 12 | Pass | 1 | Step 1 |
| | Federal | -- | 8 | 0.33 | 8 | 12 | Pass | 1 | Step 1 |

Sources:

CARB. 2016. “Ambient Air Quality Standards.” May 4, 2016. Accessed October 2017. http://www.arb.ca.gov/research/aaqs/aaqs2.pdf.

CARB. 2017. “iADAM: Air Quality Data Statistics.” Accessed October 2017. https://www.arb.ca.gov/adam/topfour/topfour1.php.

# B3. Edwards AFB Solar HRA

# Construction and Operational Health Risk Assessment for the Edwards Air Force Base Solar Facility Project

*Prepared for*

**Edwards AFB Solar, LLC**

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## EXECUTIVE SUMMARY

The United States Air Force proposes to lease land to a developer for the construction, operation and maintenance of the Edwards Air Force Base (AFB) Solar Photovoltaic Enhanced Use Lease Project (Project). The Project would be an up to 4,000-acre solar facility, which is anticipated to generate up to 600 megawatts (MW) and includes the construction of a 150 MW battery storage facility. The Project would also include the construction, operation and maintenance of a 230-kilovolt (kV) generation tie (gen-tie) line from the proposed solar facility to a point of interconnection where power generated by the Project can be delivered to the grid.

The purpose of this health risk assessment (HRA) is to determine the potential cancer risk to the closest sensitive receptors of the Project due to diesel particulate matter (DPM) emissions resulting from diesel equipment and diesel trucks associated with construction and operational activities. Dispersion modeling was performed using the American Meteorological Society/ Environmental Protection Agency Regulatory Model (AERMOD), which is the model that Eastern Kern Air Pollution Control District (EKAPCD) requires for atmospheric dispersion of emissions. The Office of Environmental Health Hazard Assessment's (OEHHA) *Air Toxics Hot Spot Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments* (Risk Assessment Guidelines) (2015) was used to prepare the construction HRA for the Project.

In summary, as determined in the HRA, Project construction and operations would emit DPM that would result in a cancer risk and chronic hazard index (HI) at the maximally exposed receptors below the applicable EKAPCD thresholds.

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# 1 INTRODUCTION

## 1.1 Document Overview

Dudek prepared this health risk assessment (HRA) to estimate health risk impacts from construction and operations of the Edwards Air Force Base (AFB) Solar Photovoltaic Enhanced Use Lease Project (Project). The analysis presented uses air dispersion modeling methodology to evaluate potential public health risks associated with the Project. Results of the modeling analysis are compared with the most recent significance thresholds established by the Eastern Kern Air Pollution Control District (EKAPCD) for purposes of California Environmental Quality Act (CEQA) analysis.

## 1.2 Project Description

The Project would be an up to 4,000-acre solar facility, which is anticipated to generate up to 600 megawatts (MW) and includes the construction of a 150 MW battery storage facility. The Project would also include the construction, operation and maintenance of a 230-kilovolt (kV) generation tie (gen-tie) line from the proposed solar facility to a point of interconnection where power generated by the Project can be delivered to the grid. Points of interconnection include the Southern California Edison (SCE) Windhub Substation and/or privately owned Westwind Substation. The gen-tie line would allow electricity generated from the Project to reach high-voltage transmission lines, through a substation, that would be able to carry power to utility customers. The proposed 230 kV gen-tie line would run across publicly and privately owned property within Kern County. In general, the gen-tie route can be broken down in to two categories based on the direction of the corridor—a north–south connection and an east-west connection. There are two options for the north–south gen-tie connection and the proposed Project would include only one of these two north-south route options. There are two options for the east–west gen-tie connection and the proposed Project would include only one of these two east–west route options. The final gen-tie route will be determined by the ability to acquire access easements for construction and installation of the line from public and private entities. Because all the possible gen-tie options would be similar in length, a singular construction schedule was assumed for all options. The proposed solar facility would be located on the northwest corner of Edwards AFB. The Project site is located approximately 57 miles southeast of the city of Bakersfield and approximately 7 miles north of the community of Rosamond and 6 miles south of Mojave, in southeastern Kern County, California.

## 1.3 Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (short-term) and/or chronic (long-

term) noncancer health effects. A toxic substance released into the air is considered a toxic air contaminant (TAC). Examples include certain aromatic and chlorinated hydrocarbons, diesel-particulate matter (DPM), certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources such as automobiles; and area sources such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ system and may be experienced either on acute or chronic exposure to a given TAC.

In 1998, the California Air Resources Board (CARB) designated DPM as a TAC. The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. DPM has established cancer risk factors and relative exposure values for long term chronic health hazard impacts. No short-term, acute relative exposure level has been established for DPM; therefore, acute impacts of DPM are not addressed in this assessment.

### 1.3.1 Cancer Risk

Cancer risk is defined as the increase in probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased chances in one million. The cancer risk from exposure to a TAC is estimated by calculating the inhalation (and if applicable, ingestion or dermal) dose in units of milligrams/kilogram body weight per day. The dose is based on an ambient concentration in units of micrograms per cubic meter ($\mu g/m^3$), age sensitivity factors, breathing rates, exposure period, and fraction of time spent at home. The cancer risk is calculated by multiplying the dose by the cancer potency factor, expressed as (milligrams/kilogram body weight per day)$^{-1}$. Cancer risks are typically calculated for all carcinogenic TACs and summed to calculate the overall increase in cancer risk to an individual. The calculation procedure assumes that cancer risk is proportional to concentrations at any level of exposure and that risks due to different carcinogens are additive. This approach is generally considered a conservative assumption at low doses and is consistent with the Office of Environmental Health Hazard Assessment's (OEHHA's) regulatory approach.

The cancer risk calculations were performed by multiplying the predicted dispersion modeled output data by the TAC emissions and the appropriate risk values. The exposure and risk equations that were used to calculate the cancer risk at receptors are integrated in the Hotspots Analysis and Reporting Program, Version 2 (HARP 2) model, in accordance with the Risk Assessment Guidelines (OEHHA 2015).

The following equations were used to calculate the cancer risk using the model output data and estimated TAC emissions associated with diesel exhaust.

**Cancer Risk = DOSE * CPF * ASF * ED/AT * FAH**

**DOSE = ($C_{air}$ * DBR * A * EF * $10^{-6}$)**

***$C_{air}$= ER * X/Q***

Where:

- DOSE: Daily inhalation dose (mg/kg-day)
- CPF: Cancer potency factor (mg/kg-day) $^{-1}$
- ASF: Age sensitivity factor for a specified age group (unitless)
- ED: Exposure duration (in years) for a specified age group
- AT: Averaging time for lifetime cancer risk (years)
- FAH: Fraction of time spent at home (unitless)
- $C_{air}$: Average air concentration of TAC from the air dispersion model (μg/m$^3$)
- DBR: Daily breathing rate (L/kg body weight-day)
- EF: Exposure frequency (unitless), days/365 days
- A: Inhalation absorption factor (unitless)
- $10^{-6}$: Micrograms to milligrams conversion, liters to cubic meters conversion
- ER: Emission rates (g/s)
- X/Q: Model output data (μg/m$^3$)/(g/s)

### 1.3.2 Noncancer Health Impacts

The noncancer health impact of an inhaled TAC is measured by the hazard quotient, which is the ratio of the ambient concentration of a TAC in units of μg/m$^3$ divided by the reference exposure level (REL), also in units of μg/m$^3$. The REL is the concentration at or below which no adverse health effects are anticipated. The REL is typically based on health effects to a particular target organ system, such as the respiratory system, liver, or central nervous system. Hazard quotients of individual TACs are then summed for each target organ system to obtain a hazard index (HI). For DPM, the target organ system is the respiratory system.

In addition to the potential cancer risk, DPM has chronic (i.e., long-term) noncancer health impacts. The chronic noncancer HI for DPM was calculated by dividing the maximum modeled annual average concentration of TACs by its REL as implemented by HARP 2.

The chronic hazard quotients were calculated for DPM using the following equations (OEHHA 2015).

**$CHQ = (C_{air} / REL)$**

Where:

- CHQ: Chronic hazard quotient
- $C_{air}$: Annual average concentration ($\mu g/m^3$)
- REL: Chronic reference exposure level ($\mu g/m^3$)

# 2 GUIDANCE AND THRESHOLDS

## 2.1 Eastern Kern Air Pollution Control District Guidance

TACs are listed in the regulation implementing the Air Toxics "Hot Spots" Information and Assessment Act (Assembly Bill (AB) 2588). A subset of these TACs has been listed by the OEHHA as having acute, chronic, and/or carcinogenic effects on public health. The EKAPCD recommends health risk thresholds of cancer risk greater than or equal to 10 cases in one million and a chronic or acute HI equal to or greater than 1.0 (EKAPCD 2018).

## 2.2 Office of Environmental Health Hazard Assessment Guidance

OEHHA's most recent guidance is the *Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments* (OEHHA 2015), which was adopted in 2015 replacing the previous 2003 guidance manual. The Children's Environmental Health Protection Act of 1999 (Senate Bill (SB) 25), which requires explicit consideration of infants and children in assessing risks from air toxics, required revisions of the methods for both noncancer and cancer risk assessment and of the exposure assumptions in the 2003 OEHHA HRA guidance manual. In response to SB 25, OEHHA released three technical support documents (TSDs) addressing RELs (OEHHA 2008), cancer potency (OEHHA 2009), and exposure assessment and stochastic analysis (OEHHA 2012) and adopted the revised HRA guidance manual (OEHHA 2015). The TSD for RELs and continuing work to re-evaluate TACs to ensure adequate protection for infants and children has led to revisions of RELs for approximately 10 chemicals and chemical families. The basic methodology for evaluating acute and chronic health effects using the RELs otherwise remained the same as in the previous guidance manual. Moreover, RELs are designed to protect the most sensitive individuals in the population, including infants and children, by selecting appropriate toxicological data and including margins of safety. Accordingly, the evaluation methods are assumed to protect children and other sensitive subpopulations (groups of more highly susceptible individuals) from adverse health effects in the event of exposure (OEHHA 2008).

The cancer risk methodology described in exposure assessment and stochastic analysis TSD and the OEHHA guidance manual accounts for the higher sensitivity of infants and children by applying age-specific daily breathing rates (DBRs) and age-sensitivity factors (ASFs). According to the TSD, "accounting for effects of early-in-life exposure requires accounting for both the increased potency of early in life exposure to carcinogens and the greater exposure on a per [kilogram] body weight that occurs early in life due to behavioral and physiological differences between infants and children, and adults" (OEHHA 2012). In part, early-life periods are accounted for through the use of age-sensitivity factors. Compared to the previous guidance, which relied on a single breathing rate for

all ages, the revised guidance also includes age-specific DBRs that reflect the differences between those for infants, children, and adults.

# 3 MODELING METHODOLOGY

## 3.1 Construction Diesel Particulate Matter Emissions Estimation

Construction of the Project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, and soil disturbance) and off-site sources (i.e., on-road haul trucks, vendor trucks, and worker vehicle trips). Emissions from the construction phase of the Project were estimated using the California Emissions Estimator Model (CalEEMod), Version 2016.3.2. Notably, for risk assessment purposes, $PM_{10}$ in diesel exhaust is considered DPM. The following summarizes the methodology used to develop the emissions inventory, as described in the *Edwards Air Force Base Solar Facility Air Quality and Greenhouse Gas Emissions Methodology and Emissions Calculations Memorandum* (Dudek 2018).

Construction of the solar facility is anticipated to last up two to four years, with individual phases built on a rolling construction schedule. Actual development of the Project site is dependent on market conditions upon Project approval. For purposes of estimating Project emissions, and based on information provided by the applicant, it is assumed that construction of the Project would commence in July 2018[1] and would last approximately 24 months, ending in July 2020. The phasing of construction activities described below represents a worst-case scenario, with all phases of solar facility construction happening directly after one another. The analysis contained herein is based on the following assumptions (duration of phases is approximate):

- Solar Facility Construction – July 2018 – July 2020 (24 Months)
- Gen-tie Construction – October 2019 – July 2020 (9 months)

For the analysis, it was generally assumed that heavy construction equipment would be operating at the site for approximately 8 hours per day, 5 days per week (22 days per month), during Project construction. It was assumed there would an average of 550 peak daily workers for a total of 1,100 one-way trips, 339 daily miscellaneous delivery trips, 504 daily water truck trips (vendor trucks) and 10 daily panel delivery trips (haul trucks). No additional haul truck trips for earthwork materials were assumed because earthwork volumes are anticipated to be balanced on site. Trip lengths for worker, vendor, and haul trips were assumed to be 30, 7.3, and 114 miles respectively. Table 1 depicts the off-road equipment and on-road vehicles assumed in the analysis.

[1] The analysis assumes a construction start date of July 2018, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

**Table 1**
**Construction Equipment and On-Road Vehicles**

| Construction Phase | Equipment | | | One-way Vehicle Trips | | |
|---|---|---|---|---|---|---|
| | *Equipment Type* | *Quantity* | *Usage Hours* | *Average Daily Worker Trips* | *Average Daily Vendor Truck Trips* | *Total Haul Truck Trips* |
| Solar Facility Construction | Excavators | 9 | 1.1 | 1,100 | 843 | 5,200 |
| | Forklifts | 25 | 0.5 | | | |
| | Generator sets | 4 | 8 | | | |
| | Off-highway tractors | 3 | 0.3 | | | |
| | Off-highway tractors | 3 | 0.5 | | | |
| | Other construction equipment | 30 | 2 | | | |
| | Other construction equipment | 20 | 1.1 | | | |
| | Other material handling equipment | 10 | 1.5 | | | |
| | Rubber tired dozers | 2 | 1.4 | | | |
| | Scrapers | 4 | 1.6 | | | |
| | Tractors/loaders/backhoes | 35 | 0.7 | | | |
| | Trenchers | 20 | 1.2 | | | |
| Gen-tie Construction | Cranes | 1 | 1.6 | 116 | 60 | 0 |
| | Excavators | 1 | 6 | | | |
| | Other construction equipment | 2 | 2 | | | |
| | Other construction equipment | 2 | 4 | | | |
| | Other material handling equipment | 1 | 4 | | | |
| | Tractors/loaders/backhoes | 1 | 4 | | | |

Based on the CalEEMod annual emissions, Project construction would result in emissions of approximately 1.1 pounds per hour and 2,368.4 pounds per year of DPM for the unmitigated scenario. With mitigation, it was estimated that Project construction would result in 0.7 pounds per hour and 1,543.0 pounds per year of DPM. Hourly and annual estimates of DPM are included in Appendix A of this HRA.

## 3.2 Operational Diesel Particulate Matter Emissions Estimation

Mobile sources associated with Project operations would primarily be motor vehicles (automobiles and light-duty trucks) traveling to and from the Project site. Motor vehicles may be fueled with gasoline, diesel, or alternative fuels. Based on conservative estimates for vehicular travel, the Project is anticipated to have up to 8,778 trips per year during operation, accounting for the commutes and performance of regular inspection and maintenance activities by 24 full-time-

equivalent staff. Estimated activity data from the applicant and CalEEMod were used to calculate emissions from this source category.

Additionally, to conduct maintenance activities on-site, including but not limited to panel replacement and repair, it was assumed that two forklifts and two backhoes would be employed for 8 hours a day, 12 days a year. This information, in conjunction with CalEEMod default values, were utilized to estimate operational off-road vehicle emissions in CalEEMod. Based on the CalEEMod annual emissions, Project operations would result in emissions of approximately 0.08 pounds per hour and 7.8 hours per year. Hourly and annual estimates of DPM are included in Appendix A of this HRA.

## 3.3 Dispersion Model

Air dispersion models calculate the atmospheric transport and fate of pollutants from the emission source. The models calculate the concentration of selected pollutants at specific downwind ground-level points, such as residential or off-site workplace receptors. The transformation (fate) of an airborne pollutant, its movement with the prevailing winds (transport), its crosswind and vertical movement due to atmospheric turbulence (dispersion), and its removal due to dry and wet deposition are influenced by the pollutant's physical and chemical properties and by meteorological and environmental conditions. Factors such as distance from the source to the receptor, meteorological conditions, intervening land use and terrain, pollutant release characteristics, and background pollutant concentrations affect the predicted air concentration of an air pollutant. Air dispersion models have the capability to take all of these factors into consideration when calculating downwind ground-level pollutant concentrations.

Dispersion modeling was performed for the HRAs using the American Meteorological Society/ Environmental Protection Agency Regulatory Model (AERMOD), which is the model EKAPCD requires for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of both surface and elevated sources, building downwash, and both simple and complex terrain. Discrete receptors were identified at the nearest off-site receptors for purposes of the HRA. Principal parameters of AERMOD for the Project construction include the following:

- **Dispersion Modeling:** The air dispersion model used was AERMOD, Version 16216r, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.5.0. AERMOD was run with all sources emitting unit emissions (1 g/s) to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of

emissions from many sources. The X/Q values of ground-level concentrations (GLCs) were determined for construction emissions using AERMOD and the maximum concentrations determined for the 1-hour and Period averaging periods.

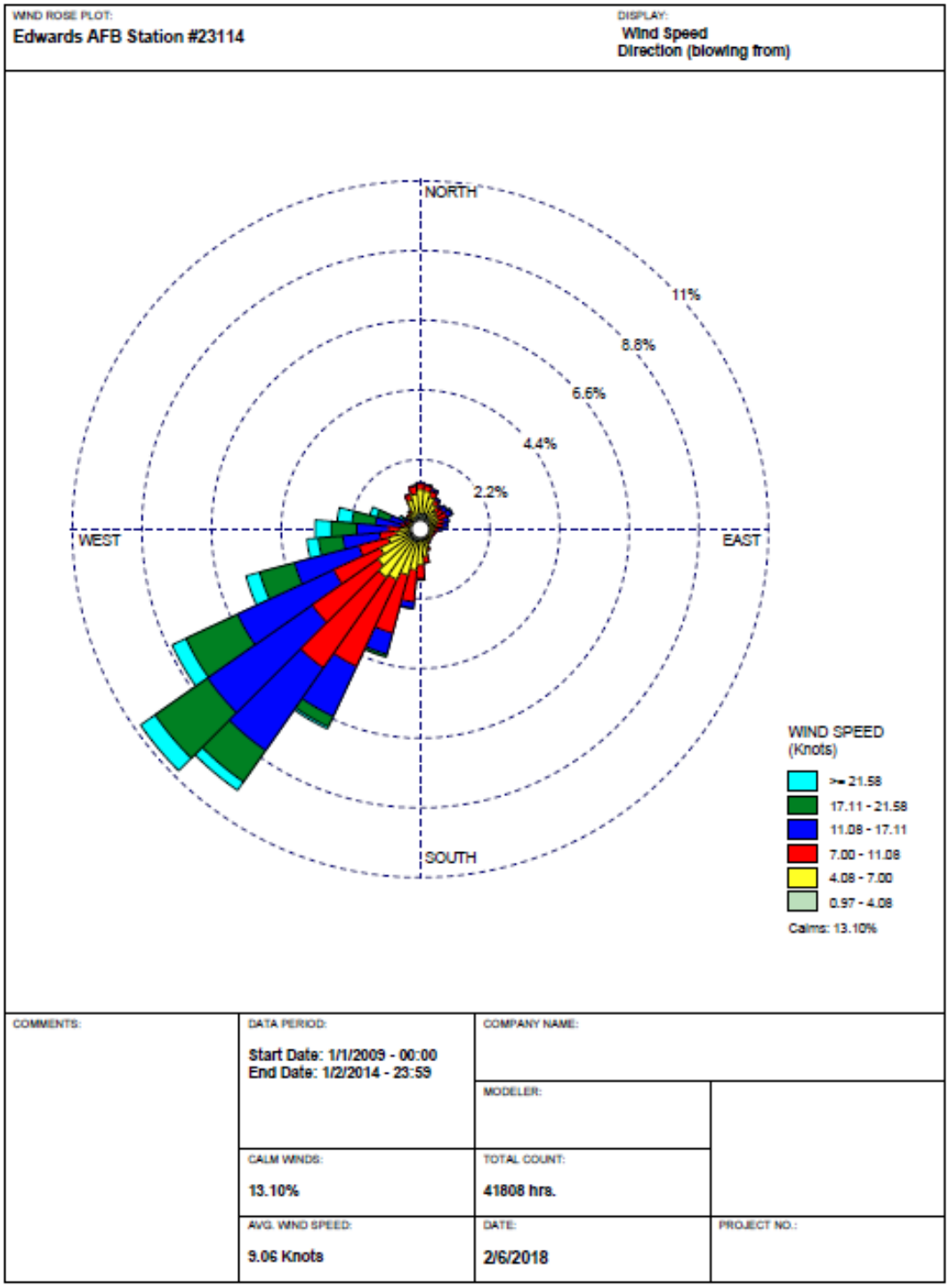
- **Meteorological Data:** The latest 5-year meteorological data (2009–2013) for the Edwards AFB station from the CARB were used. A windrose is provided for this station on Figure 1.
- **Urban and Rural Options:** Urban areas typically have more surface roughness and structures and low-albedo surfaces that absorb more sunlight—and thus more heat—relative to rural areas. The rural dispersion option was selected due to the undeveloped nature of the Project site.
- **Modeling Options:** The modeling included the use of standard regulatory default options.
- **Terrain Characteristics:** The terrain in the vicinity of the Project site is generally flat. Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate.
- **Modeling Grid:** A uniform Cartesian grid of 3,000 meters by 3,000 meters was used to determine the areas of maximum ambient pollutant concentrations.
- **Discrete Receptors:** Sensitive receptors include hospitals, schools, parks, playgrounds, daycare centers, nursing homes, convalescent facilities, and residential areas. Proximate sensitive receptors are scattered rural residential land uses, with the nearest directly across from the Project site, along Trotter Avenue and Lone Butte Road.
- **Source Release Scenarios:** Air dispersion modeling of construction and operational activities was conducted using emissions generated using the CalEEMod. As a worst-case screening approach, a single area source was modeled for the construction area and operational activity area emissions, which included all $PM_{10}$ exhaust from off-road equipment and on-road trucks. This approach is conservative since it concentrates emissions from on-road trucks to the Project site, in proximity to sensitive receptors. Figure 2 shows the hypothetical construction area modeled and the proximate discrete sensitive receptors, in relation to the total Project site area. Figure 3 shows the hypothetical operational area modeled and the proximate discrete sensitive receptors, in relation to the total Project site area. As shown on Figures 2 and 3, the blue polygon is the area source representation of the hypothetical annual construction or operational area used to screen health risk impacts per a worst-case assumption, and pink dots represent sensitive receptors. Although not all pink dots locate a sensitive receptor, a grid was established along Lone Butte Road and Trotter Avenue to conservatively capture the maximum DPM concentrations and associated risk.

For modeling construction emissions impacts using AERMOD, based on number of concurrent activities and equipment usage for the Project, it was assumed that approximately 200-acres of the total site area would have active construction activities at any one time. For modeling operational emissions impacts, it was assumed that annual activities would be concentrated in a 1-acre area. For both construction and operations, it was assumed the respective emissions source area would be located in the northwest corner of the Project site (nearest to residential receptors) with an initial vertical dimension of 1.2 meters and release height of 5 meters for diesel equipment and truck exhaust. Notably, this approach quantifies TAC exposure and health risk with conservative assumptions in order to screen potential impacts. Conservative assumptions incorporated into the analysis include:

- Concentrating area of TAC release under the construction and operational scenarios to a small portion (200-acres and 1-acre, respectively) of the total 4,000-acre solar facility site. This is a conservative assumption since the larger the area, the greater the geographical spread of emissions, which would reduce estimated exposure and health risk at nearby residences.
- The total gen-tie construction emissions were also combined with the solar facility emissions, which is conservative since the gen-tie construction would be linear and would not expose the same individual residents to prolonged TAC exposure durations.
- As mentioned previously, combining the total on-road $PM_{10}$ exhaust onto the Project site is conservative since it concentrates emissions on-site rather than along the entire trip length of the vehicles.

Overall, this screening approach was taken to determine hypothetical worst-case risk for construction and operations such that if the conservatively estimated health risk results are less than significant, then actual potential health risk at proximate residents would also be less than significant.

**Figure 1**
**Windrose for Edwards Air Force Base Meteorological Station**




Source: Lakes Environmental 2017.

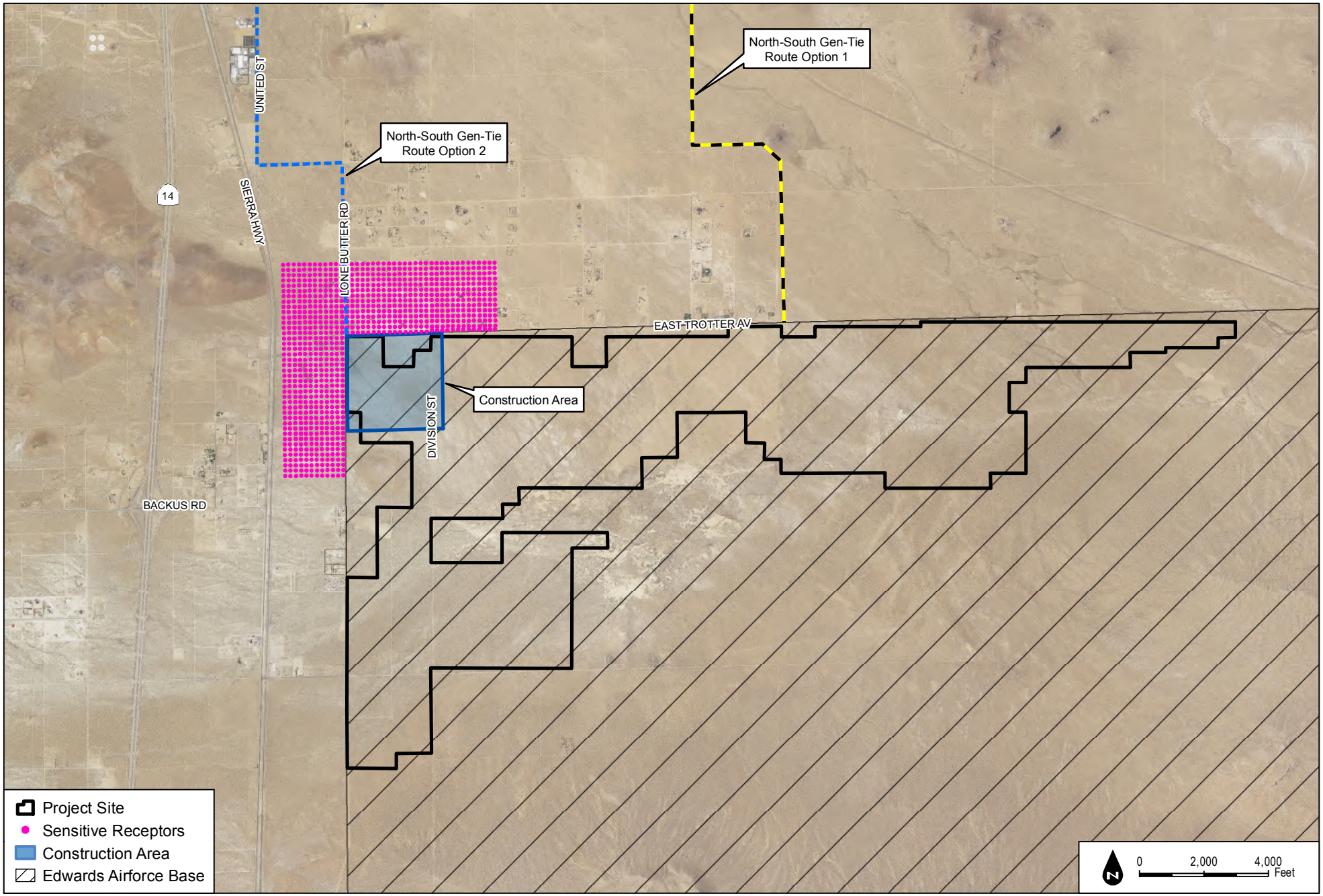



**Figure 2: CONSTRUCTION AREA AND PROXIMATE SENSITIVE RECEPTOR LOCATIONS**

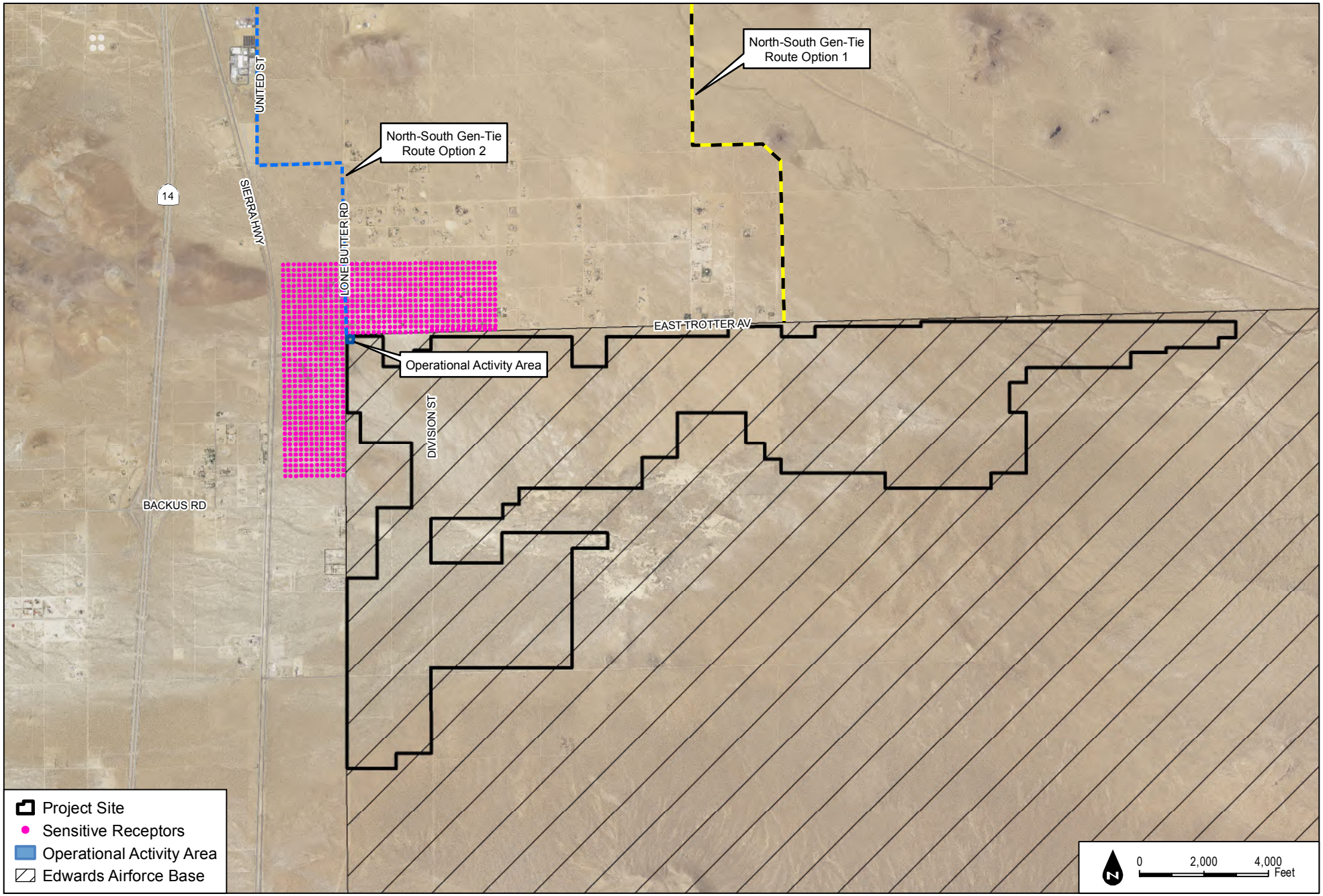



**Figure 3: OPERATIONAL ACTIVITY AREA AND PROXIMATE SENSITIVE RECEPTOR LOCATIONS**

## 3.4 Health Risk Assessment Methodology

OEHHA's Risk Assessment Guidelines (2015) were used to prepare the HRA. For risk assessment purposes, $PM_{10}$ in diesel exhaust is considered DPM, originating mainly from off-road equipment operating at a defined location for a given length of time at a given distance from sensitive receptors. Less-intensive, more-dispersed emissions result from on-road vehicle exhaust (e.g., heavy-duty diesel trucks). These emissions could result in elevated concentrations of DPM at nearby receptors, which could lead to an increase in the risk of cancer or other health impacts. Consequently, an HRA was performed to determine the extent of increased cancer risks and HIs at the maximally exposed receptors from Project construction and operations. The dispersion of DPM was modeled using the AERMOD dispersion model, along with meteorological data provided by the CARB for the Edwards AFB, and the resultant health impacts were calculated using the CARB HARP 2. For the residential health risk associated with construction, the HRA assumes exposure would start in the third trimester of pregnancy and occur 8 hours per day, 5 days per week, for 24 months to account for the short-term construction activity duration. For the residential health risk associated with operations, the HRA assumes exposure would start in the third trimester of pregnancy and occur 8 hours per day, 12 days per year, for 30 years to account for the long-term activity duration.

# 4 HEALTH RISK ASSESSMENT RESULTS

## 4.1 Construction Health Risk

Based on the HRA results included in Appendix A, the maximally exposed individual residence (MEIR) would be located directly north of the Project boundary along Trotter Avenue. Potential health risks at the MEIR resulting from construction activities are shown in Table 2.

**Table 2**
**Construction Related Health Risk Assessment**

| Receptor | Cancer Risk (per Million) | Chronic Hazard Index |
|---|---|---|
| *Unmitigated* | | |
| MEIR | 6.5 | 0.004 |
| *EKAPCD Significance Criteria* | 10 | 1 |
| Exceed Threshold? | No | No |
| *Mitigated* | | |
| MEIR | 4.2 | 0.003 |
| *EKAPCD Significance Criteria* | 10 | 1 |
| Exceed Threshold? | No | No |

Note: MEIR = Maximally Exposed Individual Resident; EKAPCD = Eastern Kern Air Pollution Control District
See Appendix A for AERMOD and HARP 2 model outputs.
DPM exposure at receptors was modeled with AERMOD, the results of which were then input into HARP 2 to generate health risk estimates. For the MEIR, exposure was assumed to begin during the third trimester of pregnancy for a duration of 8 hours per day, 5 days per week, for 24 months to account for the short-term construction activity duration. The Mitigated scenario includes Tier 3 engines for off-road equipment.

As depicted in Table 2, unmitigated Project construction would emit TACs that would result in cancer risk and chronic HI at the MEIR below the EKAPCD thresholds of 10 in a million and 1, respectively. Mitigation would include Tier 3 engines for off-road equipment, which would reduce DPM and health risk as depicted in Table 2. Notably, this analysis incorporates multiple conservative assumptions into a hypothetical construction scenario, as described in Section 3.3, in order to screen potential health risk impacts. Overall, even with this conservative screening scenario, impacts associated with the Project's potential to expose sensitive receptors to substantial TACs due to the Project-generated construction emissions would be less than significant.

## 4.2 Operational Health Risk

Based on the HRA results included in Appendix A, the MEIR would be located directly north of the Project boundary along Trotter Avenue. Potential health risks at the MEIR resulting from construction activities are shown in Table 3.

**Table 3**
**Operational Related Health Risk Assessment**

| Receptor | Cancer Risk (per Million) | Chronic Hazard Index |
|---|---|---|
| *Unmitigated* | | |
| MEIR | 0.09 | 0.00002 |
| *EKAPCD Significance Criteria* | 10 | 1 |
| Exceed Threshold? | No | No |

Note: MEIR = Maximally Exposed Individual Resident; EKAPCD = Eastern Kern Air Pollution Control District
See Appendix A for AERMOD and HARP 2 model outputs.
DPM exposure at receptors was modeled with AERMOD, the results of which were then input into HARP 2 to generate health risk estimates. For the MEIR, exposure was assumed to begin during the third trimester of pregnancy for a duration of 8 hours per day, 12 days per year, for 30 years to account for the long-term activity duration.

As depicted in Table 3, Project operations would emit TACs that would result in cancer risk and chronic HI at the MEIR below the EKAPCD thresholds of 10 in a million and 1, respectively. Notably, this analysis incorporates multiple conservative assumptions into a hypothetical operational scenario, as described in Section 3.3, in order to screen potential health risk impacts. Even with this conservative screening scenario, impacts associated with the Project's potential to expose sensitive receptors to substantial TACs due to the Project-generated operational emissions would be less than significant.

# 5 CONCLUSIONS

Based on this analysis, the closest sensitive receptors to the Project would not be exposed to TACs at levels that would result in health risk above significance thresholds established by the EKAPCD during short-term construction or long-term operations. The results determined in this analysis reflect conservative estimates of source emissions and exhaust characteristics, available meteorological data near the Project site, and the use of currently approved air quality models. Given the limits of available tools for such an analysis, the actual impacts may vary from the estimates in this assessment. However, the combination of conservative hypothetical construction and operational scenarios, in addition to the use of the AERMOD dispersion model and the health impact calculations required by the OEHHA, would tend to over predict impacts, such that these analyses produce conservative (i.e., health-protective) results. Accordingly, the health impacts are not expected to be higher than those estimated in this assessment.

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# APPENDIX A

## *AERMOD, Emissions Inventory, and HARP 2 Output Files*

# AERMOD Outputs

*Construction*

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 2/6/2018
** File: C:\Lakes\AERMOD View\EAFB_Solar_Const\EAFB_Solar_Const.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\EAFB_Solar\EAFB_Solar.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL EAFB_Solar_Const.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION AREA1        AREA       395857.194  3869042.791      776.000
** Source Parameters **
   SRCPARAM AREA1        1.2346E-06     5.000   900.000   900.000
0.000     1.200

** Variable Emissions Type: "By Season / Hour / Seven Days (SHRDOW7)"
** Variable Emission Scenario: "Scenario 1"
** Season = Winter;  Day of Week = Monday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Monday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Monday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Monday
```

```
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Tuesday
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   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Tuesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Tuesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Tuesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Wednesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Wednesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Wednesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Wednesday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Thursday
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   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Thursday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
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```
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** Season = Spring;  Day of Week = Friday
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   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Friday
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   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Friday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT AREA1        SHRDOW7 1.0 1.0 1.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Saturday
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   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Saturday
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   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Saturday
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   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Saturday
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Sunday
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   EMISFACT AREA1        SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
```

```
   INCLUDED EAFB_Solar_Const.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "723810 - Edwards AFB MetData - CARB\723810.SFC"
   PROFFILE "723810 - Edwards AFB MetData - CARB\723810.PFL"
   SURFDATA 23114 2009
   UAIRDATA 3190 2009
   PROFBASE 704.4 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST EAFB_SOLAR_CONST.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL EAFB_SOLAR_CONST.AD\PE00GALL.PLT 32
   SUMMFILE EAFB_Solar_Const.sum
OU FINISHED

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************
```

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 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD
View\EAFB_Solar\EAFB_Solar.isc                       ***        02/06/18
 *** AERMET - VERSION  14134 ***   ***
***        22:26:59

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                                                 ***     MODEL SETUP OPTIONS
SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.

 **Other Options Specified:
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:      1 Source(s);       1 Source Group(s); and
1339 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      1 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.
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 **The AERMET Input Meteorological Data Version Date:  14134

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor
(RECTABLE Keyword)
          Model Outputs External File(s) of High Values for Plotting
(PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values
(SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for
Calm Hours
                                                                  m for
Missing Hours
                                                                  b for
Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   704.40 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC
;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.7 MB of RAM.

 **Detailed Error/Message File:   EAFB_Solar_Const.err
 **File for Summary of Results:   EAFB_Solar_Const.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** AREA SOURCE DATA ***

| SOURCE ID | NUMBER OF AREA CATS. | EMISSION RATE (GRAMS/SEC /METER**2) | COORD (SW CORNER) X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | X-DIM OF AREA (METERS) | Y-DIM OF AREA (METERS) | ORIENT. OF AREA (DEG.) | INIT. SZ (METERS) | URBAN SOURCE BY | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AREA1 | 0 | 0.12346E-05 | 395857.2 | 3869042.8 | 776.0 | 5.00 | 900.00 | 900.00 | 0.00 | 1.20 | NO | SHRDOW7 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|---|---|
| ALL | AREA1 , |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW7) *

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                              SEASON = WINTER;  DAY OF WEEK = MONDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                              SEASON = SPRING;  DAY OF WEEK = MONDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                              SEASON = SUMMER;  DAY OF WEEK = MONDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                              SEASON =  FALL ;  DAY OF WEEK = MONDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                              SEASON = WINTER;  DAY OF WEEK = TUESDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = FRIDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .0000E+00   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
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.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
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                                                SEASON = SPRING;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

394711.8, 394861.8, 395011.8, 395161.8, 395311.8, 395461.8, 395611.8, 395761.8, 395911.8, 396061.8,
396211.8, 396361.8, 396511.8, 396661.8, 396811.8, 396961.8, 397111.8, 397261.8, 397411.8, 397561.8,
397711.8,

*** Y-COORDINATES OF GRID ***
(METERS)

3868011.5, 3868161.5, 3868311.5, 3868461.5, 3868611.5, 3868761.5, 3868911.5, 3869061.5, 3869211.5, 3869361.5,
3869511.5, 3869661.5, 3869811.5, 3869961.5, 3870111.5, 3870261.5, 3870411.5, 3870561.5, 3870711.5, 3870861.5,
3871011.5,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 394711.79 | 394861.79 | 395011.79 | 395161.79 | 395311.79 | 395461.79 | 395611.79 | 395761.79 | 395911.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 790.40 | 790.00 | 788.30 | 786.30 | 786.00 | 785.00 | 784.10 | 784.00 | 783.00 |
| 3870861.46 | 791.00 | 790.00 | 788.00 | 786.00 | 785.00 | 784.40 | 784.00 | 783.00 | 782.00 |
| 3870711.46 | 792.00 | 790.90 | 788.30 | 786.00 | 785.00 | 784.00 | 783.00 | 782.00 | 781.00 |
| 3870561.46 | 804.10 | 799.10 | 794.80 | 786.00 | 785.00 | 783.30 | 782.10 | 781.30 | 780.40 |
| 3870411.46 | 804.70 | 799.60 | 801.90 | 786.60 | 784.30 | 783.00 | 782.00 | 781.00 | 780.00 |
| 3870261.46 | 786.30 | 786.00 | 786.00 | 785.00 | 783.10 | 782.00 | 781.00 | 780.30 | 780.00 |
| 3870111.46 | 785.40 | 785.00 | 784.10 | 783.10 | 782.10 | 781.40 | 781.00 | 780.00 | 779.00 |
| 3869961.46 | 785.00 | 784.00 | 783.00 | 782.30 | 781.40 | 780.30 | 780.00 | 779.00 | 778.40 |
| 3869811.46 | 784.10 | 784.00 | 783.00 | 782.00 | 781.00 | 780.00 | 779.00 | 778.40 | 778.00 |
| 3869661.46 | 784.00 | 783.30 | 783.00 | 781.30 | 780.20 | 780.00 | 779.00 | 778.00 | 777.00 |
| 3869511.46 | 784.00 | 783.10 | 782.30 | 781.00 | 780.00 | 779.30 | 778.30 | 777.30 | 777.00 |
| 3869361.46 | 784.00 | 783.00 | 782.00 | 781.00 | 780.00 | 779.00 | 778.00 | 777.00 | 777.00 |
| 3869211.46 | 784.00 | 783.00 | 782.00 | 780.40 | 780.00 | 779.00 | 778.00 | 777.00 | 776.00 |
| 3869061.46 | 784.00 | 783.00 | 781.30 | 780.00 | 779.30 | 779.00 | 778.00 | 777.00 | 776.00 |
| 3868911.46 | 784.00 | 783.00 | 781.90 | 780.90 | 779.30 | 778.30 | 777.10 | 776.40 | 776.00 |
| 3868761.46 | 784.00 | 783.00 | 781.30 | 780.00 | 779.10 | 778.00 | 777.00 | 776.00 | 776.00 |

3868611.46 | 784.00 782.40 781.00 780.00
779.00 777.30 776.00 774.30 774.00
3868461.46 | 784.00 782.30 781.00 780.00
778.40 777.00 775.10 774.00 773.00
3868311.46 | 784.00 782.00 780.10 779.30
778.00 776.30 774.30 774.00 773.00
3868161.46 | 783.30 782.00 781.00 779.10
778.00 776.00 774.30 773.30 772.10
3868011.46 | 783.30 782.00 780.30 779.00
777.30 775.30 774.10 773.00 772.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 396061.79 | 396211.79 | 396361.79 | 396511.79 | 396661.79 | 396811.79 | 396961.79 | 397111.79 | 397261.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 782.00 | 782.00 | 781.00 | 781.00 | 780.00 | 780.00 | 779.00 | 779.00 | 778.80 |
| 3870861.46 | 781.10 | 781.00 | 781.00 | 780.00 | 780.00 | 779.00 | 779.00 | 778.00 | 778.20 |
| 3870711.46 | 781.00 | 780.00 | 780.00 | 779.40 | 779.10 | 778.40 | 778.00 | 778.00 | 777.30 |
| 3870561.46 | 780.00 | 779.20 | 779.00 | 778.10 | 778.00 | 777.00 | 777.00 | 777.00 | 776.60 |
| 3870411.46 | 779.00 | 778.40 | 778.00 | 777.40 | 777.00 | 777.00 | 777.00 | 776.00 | 775.70 |
| 3870261.46 | 779.00 | 778.00 | 777.40 | 777.00 | 776.20 | 776.20 | 776.00 | 775.00 | 774.60 |
| 3870111.46 | 778.00 | 777.40 | 777.00 | 776.00 | 776.00 | 775.20 | 775.00 | 774.00 | 773.90 |
| 3869961.46 | 778.00 | 777.00 | 776.00 | 775.10 | 774.00 | 774.40 | 774.00 | 774.00 | 773.00 |
| 3869811.46 | 777.00 | 776.00 | 775.30 | 774.10 | 774.00 | 774.00 | 773.40 | 773.00 | 772.10 |
| 3869661.46 | 777.00 | 776.00 | 774.30 | 774.00 | 773.00 | 773.00 | 772.00 | 771.00 | 771.50 |
| 3869511.46 | 776.10 | 775.00 | 774.00 | 773.30 | 773.00 | 772.00 | 771.00 | 771.00 | 770.90 |
| 3869361.46 | 775.30 | 774.00 | 774.00 | 773.00 | 772.00 | 771.00 | 771.00 | 770.40 | 770.20 |
| 3869211.46 | 775.00 | 774.00 | 773.10 | 772.10 | 771.00 | 770.40 | 770.00 | 769.20 | 769.60 |
| 3869061.46 | 774.30 | 773.30 | 772.10 | 771.00 | 771.00 | 770.00 | 769.10 | 769.00 | 769.40 |
| 3868911.46 | 774.00 | 773.00 | 771.00 | 771.00 | 770.10 | 770.00 | 769.00 | 769.00 | 768.50 |
| 3868761.46 | 783.70 | 784.40 | 772.10 | 771.00 | 770.00 | 769.00 | 769.00 | 768.20 | 767.80 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3868611.46 | \| | 779.10 | 781.70 | 773.40 | 771.30 | 769.40 | 768.10 | 768.00 | 768.00 | 767.00 |
| 3868461.46 | \| | 772.20 | 772.20 | 772.10 | 770.10 | 769.00 | 768.00 | 767.00 | 766.40 | 766.40 |
| 3868311.46 | \| | 770.90 | 771.00 | 770.40 | 769.10 | 768.00 | 767.10 | 766.40 | 766.00 | 765.80 |
| 3868161.46 | \| | 771.00 | 770.00 | 770.00 | 769.00 | 767.30 | 766.00 | 766.00 | 766.00 | 765.40 |
| 3868011.46 | \| | 771.00 | 770.00 | 770.00 | 769.00 | 767.90 | 766.00 | 766.00 | 765.10 | 765.00 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 397411.79 | 397561.79 | 397711.79 |
|---|---|---|---|
| 3871011.46 | 778.20 | 777.20 | 776.90 |
| 3870861.46 | 777.20 | 777.30 | 776.70 |
| 3870711.46 | 777.00 | 776.60 | 776.00 |
| 3870561.46 | 776.10 | 776.00 | 775.50 |
| 3870411.46 | 775.20 | 775.20 | 774.60 |
| 3870261.46 | 774.10 | 774.30 | 774.00 |
| 3870111.46 | 773.60 | 773.60 | 773.00 |
| 3869961.46 | 772.70 | 772.40 | 771.60 |
| 3869811.46 | 771.80 | 771.50 | 770.90 |
| 3869661.46 | 771.10 | 771.10 | 770.60 |
| 3869511.46 | 771.10 | 770.40 | 769.90 |
| 3869361.46 | 770.00 | 769.70 | 769.30 |
| 3869211.46 | 769.10 | 768.80 | 768.50 |
| 3869061.46 | 768.40 | 767.90 | 767.90 |
| 3868911.46 | 768.20 | 767.60 | 766.90 |
| 3868761.46 | 767.30 | 766.60 | 766.00 |
| 3868611.46 | 766.30 | 765.40 | 765.10 |
| 3868461.46 | 765.70 | 765.00 | 764.70 |
| 3868311.46 | 765.40 | 765.00 | 764.70 |
| 3868161.46 | 765.00 | 765.00 | 764.70 |
| 3868011.46 | 765.00 | 765.00 | 764.70 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 394711.79 | 394861.79 | 395011.79 | 395161.79 | 395311.79 | 395461.79 | 395611.79 | 395761.79 | 395911.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870861.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870711.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870561.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870411.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870261.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870111.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3869961.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3869811.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3869661.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3869511.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3869361.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 777.00 |
| 3869211.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1273.00 | 776.00 |
| 3869061.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 777.00 | 776.00 |
| 3868911.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 777.10 | 776.40 | 776.00 |
| 3868761.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1245.00 | 777.00 | 776.00 | 802.00 |

3868611.46 | 1275.00 1275.00 1275.00 1275.00
1275.00 777.30 776.00 774.30 802.00
3868461.46 | 1275.00 1275.00 1275.00 1275.00
778.40 777.00 775.10 774.00 773.00
3868311.46 | 1275.00 1275.00 1275.00 779.30
778.00 776.30 774.30 774.00 773.00
3868161.46 | 1275.00 1245.00 781.00 779.10
778.00 776.00 774.30 773.30 772.10
3868011.46 | 1245.00 782.00 780.30 779.00
777.30 775.30 774.10 773.00 772.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 396061.79 | 396211.79 | 396361.79 | 396511.79 | 396661.79 | 396811.79 | 396961.79 | 397111.79 | 397261.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 1275.00 | 1275.00 | 1275.00 | 781.00 | 780.00 | 780.00 | 779.00 | 779.00 | 778.80 |
| 3870861.46 | 1275.00 | 1275.00 | 781.00 | 780.00 | 780.00 | 779.00 | 779.00 | 778.00 | 778.20 |
| 3870711.46 | 1275.00 | 1275.00 | 780.00 | 779.40 | 779.10 | 778.40 | 778.00 | 778.00 | 777.30 |
| 3870561.46 | 1275.00 | 1275.00 | 779.00 | 778.10 | 778.00 | 777.00 | 777.00 | 777.00 | 776.60 |
| 3870411.46 | 1275.00 | 1275.00 | 778.00 | 777.40 | 777.00 | 777.00 | 777.00 | 776.00 | 775.70 |
| 3870261.46 | 1275.00 | 1275.00 | 777.40 | 777.00 | 776.20 | 776.20 | 776.00 | 775.00 | 774.60 |
| 3870111.46 | 1275.00 | 777.40 | 777.00 | 776.00 | 776.00 | 775.20 | 775.00 | 774.00 | 773.90 |
| 3869961.46 | 1275.00 | 777.00 | 776.00 | 775.10 | 774.00 | 774.40 | 774.00 | 774.00 | 773.00 |
| 3869811.46 | 1275.00 | 776.00 | 775.30 | 774.10 | 774.00 | 774.00 | 773.40 | 773.00 | 772.10 |
| 3869661.46 | 777.00 | 776.00 | 774.30 | 774.00 | 773.00 | 773.00 | 772.00 | 771.00 | 771.50 |
| 3869511.46 | 776.10 | 775.00 | 774.00 | 773.30 | 773.00 | 772.00 | 771.00 | 771.00 | 770.90 |
| 3869361.46 | 775.30 | 774.00 | 774.00 | 773.00 | 772.00 | 771.00 | 771.00 | 770.40 | 770.20 |
| 3869211.46 | 775.00 | 774.00 | 773.10 | 772.10 | 771.00 | 770.40 | 770.00 | 769.20 | 769.60 |
| 3869061.46 | 774.30 | 773.30 | 772.10 | 771.00 | 771.00 | 770.00 | 769.10 | 769.00 | 769.40 |
| 3868911.46 | 802.00 | 802.00 | 802.00 | 771.00 | 770.10 | 770.00 | 769.00 | 769.00 | 768.50 |
| 3868761.46 | 802.00 | 802.00 | 802.00 | 771.00 | 770.00 | 769.00 | 769.00 | 768.20 | 767.80 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3868611.46 | \| | 802.00 | 802.00 | 802.00 | 771.30 | 769.40 | 768.10 | 768.00 | 768.00 | 767.00 |
| 3868461.46 | \| | 802.00 | 802.00 | 772.10 | 770.10 | 769.00 | 768.00 | 767.00 | 766.40 | 766.40 |
| 3868311.46 | \| | 770.90 | 771.00 | 770.40 | 769.10 | 768.00 | 767.10 | 766.40 | 766.00 | 765.80 |
| 3868161.46 | \| | 771.00 | 770.00 | 770.00 | 769.00 | 767.30 | 766.00 | 766.00 | 766.00 | 765.40 |
| 3868011.46 | \| | 771.00 | 770.00 | 770.00 | 769.00 | 767.90 | 766.00 | 766.00 | 765.10 | 765.00 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 397411.79 | 397561.79 | 397711.79 |
|---|---|---|---|
| 3871011.46 | 778.20 | 777.20 | 776.90 |
| 3870861.46 | 777.20 | 777.30 | 776.70 |
| 3870711.46 | 777.00 | 776.60 | 776.00 |
| 3870561.46 | 776.10 | 776.00 | 775.50 |
| 3870411.46 | 775.20 | 775.20 | 774.60 |
| 3870261.46 | 774.10 | 774.30 | 774.00 |
| 3870111.46 | 773.60 | 773.60 | 773.00 |
| 3869961.46 | 772.70 | 772.40 | 771.60 |
| 3869811.46 | 771.80 | 771.50 | 770.90 |
| 3869661.46 | 771.10 | 771.10 | 770.60 |
| 3869511.46 | 771.10 | 770.40 | 769.90 |
| 3869361.46 | 770.00 | 769.70 | 769.30 |
| 3869211.46 | 769.10 | 768.80 | 768.50 |
| 3869061.46 | 768.40 | 767.90 | 767.90 |
| 3868911.46 | 768.20 | 767.60 | 766.90 |
| 3868761.46 | 767.30 | 766.60 | 766.00 |
| 3868611.46 | 766.30 | 765.40 | 765.10 |
| 3868461.46 | 765.70 | 765.00 | 764.70 |
| 3868311.46 | 765.40 | 765.00 | 764.70 |
| 3868161.46 | 765.00 | 765.00 | 764.70 |
| 3868011.46 | 765.00 | 765.00 | 764.70 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395270.7, 3868626.2,     779.0,    1275.0,       0.0);         (
395320.7, 3868626.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3868626.2,     778.2,    1245.0,       0.0);         (
395420.7, 3868626.2,     778.0,     778.0,       0.0);
     ( 395470.7, 3868626.2,     777.0,     777.0,       0.0);         (
395520.7, 3868626.2,     777.0,     777.0,       0.0);
     ( 395570.7, 3868626.2,     776.4,     776.4,       0.0);         (
395620.7, 3868626.2,     776.0,     776.0,       0.0);
     ( 395670.7, 3868626.2,     775.2,     775.2,       0.0);         (
395720.7, 3868626.2,     775.0,     775.0,       0.0);
     ( 395770.7, 3868626.2,     774.0,     774.0,       0.0);         (
395820.7, 3868626.2,     774.0,     774.0,       0.0);
     ( 395270.7, 3868676.2,     779.2,    1275.0,       0.0);         (
395320.7, 3868676.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3868676.2,     778.5,    1275.0,       0.0);         (
395420.7, 3868676.2,     778.0,     778.0,       0.0);
     ( 395470.7, 3868676.2,     778.0,     778.0,       0.0);         (
395520.7, 3868676.2,     777.0,     777.0,       0.0);
     ( 395570.7, 3868676.2,     776.8,     776.8,       0.0);         (
395620.7, 3868676.2,     776.0,     776.0,       0.0);
     ( 395670.7, 3868676.2,     775.5,     775.5,       0.0);         (
395720.7, 3868676.2,     775.0,     775.0,       0.0);
     ( 395770.7, 3868676.2,     774.0,     774.0,       0.0);         (
395820.7, 3868676.2,     774.4,     774.4,       0.0);
     ( 395270.7, 3868726.2,     779.6,    1275.0,       0.0);         (
395320.7, 3868726.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3868726.2,     779.0,    1275.0,       0.0);         (
395420.7, 3868726.2,     778.0,    1273.0,       0.0);
     ( 395470.7, 3868726.2,     778.0,     778.0,       0.0);         (
395520.7, 3868726.2,     777.3,     777.3,       0.0);
     ( 395570.7, 3868726.2,     777.0,     777.0,       0.0);         (
395620.7, 3868726.2,     776.0,     776.0,       0.0);
     ( 395670.7, 3868726.2,     776.0,     776.0,       0.0);         (
395720.7, 3868726.2,     775.6,     775.6,       0.0);
     ( 395770.7, 3868726.2,     775.0,     775.0,       0.0);         (
395820.7, 3868726.2,     775.0,     775.0,       0.0);
     ( 395270.7, 3868776.2,     779.9,    1275.0,       0.0);         (
395320.7, 3868776.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3868776.2,     779.0,    1275.0,       0.0);         (
395420.7, 3868776.2,     778.6,    1275.0,       0.0);
```

( 395470.7, 3868776.2, 778.0, 1245.0, 0.0); (
395520.7, 3868776.2, 777.8, 777.8, 0.0);
( 395570.7, 3868776.2, 777.0, 777.0, 0.0); (
395620.7, 3868776.2, 777.0, 777.0, 0.0);
( 395670.7, 3868776.2, 776.2, 776.2, 0.0); (
395720.7, 3868776.2, 776.0, 776.0, 0.0);
( 395770.7, 3868776.2, 776.0, 776.0, 0.0); (
395820.7, 3868776.2, 775.7, 775.7, 0.0);
( 395270.7, 3868826.2, 780.0, 1275.0, 0.0); (
395320.7, 3868826.2, 779.0, 1275.0, 0.0);
( 395370.7, 3868826.2, 779.0, 1275.0, 0.0); (
395420.7, 3868826.2, 778.8, 1275.0, 0.0);
( 395470.7, 3868826.2, 778.0, 1275.0, 0.0); (
395520.7, 3868826.2, 778.0, 1245.0, 0.0);
( 395570.7, 3868826.2, 777.0, 777.0, 0.0); (
395620.7, 3868826.2, 777.0, 777.0, 0.0);
( 395670.7, 3868826.2, 776.5, 776.5, 0.0); (
395720.7, 3868826.2, 776.0, 776.0, 0.0);
( 395770.7, 3868826.2, 776.0, 776.0, 0.0); (
395820.7, 3868826.2, 776.0, 776.0, 0.0);
( 395270.7, 3868876.2, 780.0, 1275.0, 0.0); (
395320.7, 3868876.2, 779.0, 1275.0, 0.0);
( 395370.7, 3868876.2, 779.0, 1275.0, 0.0); (
395420.7, 3868876.2, 779.0, 1275.0, 0.0);
( 395470.7, 3868876.2, 778.0, 1275.0, 0.0); (
395520.7, 3868876.2, 778.0, 1275.0, 0.0);
( 395570.7, 3868876.2, 777.6, 777.6, 0.0); (
395620.7, 3868876.2, 777.0, 777.0, 0.0);
( 395670.7, 3868876.2, 777.0, 777.0, 0.0); (
395720.7, 3868876.2, 776.6, 776.6, 0.0);
( 395770.7, 3868876.2, 776.0, 776.0, 0.0); (
395820.7, 3868876.2, 776.0, 776.0, 0.0);
( 395270.7, 3868926.2, 780.0, 1275.0, 0.0); (
395320.7, 3868926.2, 779.0, 1275.0, 0.0);
( 395370.7, 3868926.2, 779.0, 1275.0, 0.0); (
395420.7, 3868926.2, 779.0, 1275.0, 0.0);
( 395470.7, 3868926.2, 778.0, 1275.0, 0.0); (
395520.7, 3868926.2, 778.0, 1275.0, 0.0);
( 395570.7, 3868926.2, 777.9, 1273.0, 0.0); (
395620.7, 3868926.2, 777.0, 777.0, 0.0);
( 395670.7, 3868926.2, 777.0, 777.0, 0.0); (
395720.7, 3868926.2, 777.0, 777.0, 0.0);
( 395770.7, 3868926.2, 776.7, 776.7, 0.0); (
395820.7, 3868926.2, 776.0, 776.0, 0.0);
( 395270.7, 3868976.2, 780.0, 1275.0, 0.0); (
395320.7, 3868976.2, 779.0, 1275.0, 0.0);
( 395370.7, 3868976.2, 779.0, 1275.0, 0.0); (
395420.7, 3868976.2, 779.0, 1275.0, 0.0);
( 395470.7, 3868976.2, 778.0, 1275.0, 0.0); (
395520.7, 3868976.2, 778.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395570.7, 3868976.2,     778.0,    1275.0,       0.0);         (
395620.7, 3868976.2,     778.0,    1245.0,       0.0);
     ( 395670.7, 3868976.2,     777.0,     777.0,       0.0);         (
395720.7, 3868976.2,     777.0,     777.0,       0.0);
     ( 395770.7, 3868976.2,     777.0,     777.0,       0.0);         (
395820.7, 3868976.2,     776.1,     776.1,       0.0);
     ( 395270.7, 3869026.2,     780.0,    1275.0,       0.0);         (
395320.7, 3869026.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3869026.2,     779.0,    1275.0,       0.0);         (
395420.7, 3869026.2,     779.0,    1275.0,       0.0);
     ( 395470.7, 3869026.2,     778.0,    1275.0,       0.0);         (
395520.7, 3869026.2,     778.0,    1275.0,       0.0);
     ( 395570.7, 3869026.2,     778.0,    1275.0,       0.0);         (
395620.7, 3869026.2,     778.0,    1275.0,       0.0);
     ( 395670.7, 3869026.2,     777.3,     777.3,       0.0);         (
395720.7, 3869026.2,     777.0,     777.0,       0.0);
     ( 395770.7, 3869026.2,     777.0,     777.0,       0.0);         (
395820.7, 3869026.2,     776.3,     776.3,       0.0);
     ( 395270.7, 3869076.2,     780.0,    1275.0,       0.0);         (
395320.7, 3869076.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3869076.2,     779.0,    1275.0,       0.0);         (
395420.7, 3869076.2,     779.0,    1275.0,       0.0);
     ( 395470.7, 3869076.2,     779.0,    1275.0,       0.0);         (
395520.7, 3869076.2,     778.0,    1275.0,       0.0);
     ( 395570.7, 3869076.2,     778.0,    1275.0,       0.0);         (
395620.7, 3869076.2,     778.0,    1275.0,       0.0);
     ( 395670.7, 3869076.2,     778.0,    1273.0,       0.0);         (
395720.7, 3869076.2,     777.0,     777.0,       0.0);
     ( 395770.7, 3869076.2,     777.0,     777.0,       0.0);         (
395820.7, 3869076.2,     776.3,     776.3,       0.0);
     ( 395270.7, 3869126.2,     780.0,    1275.0,       0.0);         (
395320.7, 3869126.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3869126.2,     779.0,    1275.0,       0.0);         (
395420.7, 3869126.2,     779.0,    1275.0,       0.0);
     ( 395470.7, 3869126.2,     779.0,    1275.0,       0.0);         (
395520.7, 3869126.2,     778.0,    1275.0,       0.0);
     ( 395570.7, 3869126.2,     778.0,    1275.0,       0.0);         (
395620.7, 3869126.2,     778.0,    1275.0,       0.0);
     ( 395670.7, 3869126.2,     778.0,    1275.0,       0.0);         (
395720.7, 3869126.2,     777.2,    1245.0,       0.0);
```

( 395770.7, 3869126.2, 777.0, 777.0, 0.0); (
395820.7, 3869126.2, 776.5, 776.5, 0.0);
( 395270.7, 3869176.2, 780.0, 1275.0, 0.0); (
395320.7, 3869176.2, 779.0, 1275.0, 0.0);
( 395370.7, 3869176.2, 779.0, 1275.0, 0.0); (
395420.7, 3869176.2, 779.0, 1275.0, 0.0);
( 395470.7, 3869176.2, 779.0, 1275.0, 0.0); (
395520.7, 3869176.2, 778.3, 1275.0, 0.0);
( 395570.7, 3869176.2, 778.0, 1275.0, 0.0); (
395620.7, 3869176.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869176.2, 778.0, 1275.0, 0.0); (
395720.7, 3869176.2, 777.6, 1275.0, 0.0);
( 395770.7, 3869176.2, 777.0, 777.0, 0.0); (
395820.7, 3869176.2, 777.0, 777.0, 0.0);
( 395270.7, 3869226.2, 780.0, 1275.0, 0.0); (
395320.7, 3869226.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869226.2, 779.2, 1275.0, 0.0); (
395420.7, 3869226.2, 779.0, 1275.0, 0.0);
( 395470.7, 3869226.2, 779.0, 1275.0, 0.0); (
395520.7, 3869226.2, 778.3, 1275.0, 0.0);
( 395570.7, 3869226.2, 778.0, 1275.0, 0.0); (
395620.7, 3869226.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869226.2, 778.0, 1275.0, 0.0); (
395720.7, 3869226.2, 777.6, 1275.0, 0.0);
( 395770.7, 3869226.2, 777.0, 1273.0, 0.0); (
395820.7, 3869226.2, 777.0, 777.0, 0.0);
( 395270.7, 3869276.2, 780.0, 1275.0, 0.0); (
395320.7, 3869276.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869276.2, 779.5, 1275.0, 0.0); (
395420.7, 3869276.2, 779.0, 1275.0, 0.0);
( 395470.7, 3869276.2, 779.0, 1275.0, 0.0); (
395520.7, 3869276.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869276.2, 778.0, 1275.0, 0.0); (
395620.7, 3869276.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869276.2, 778.0, 1275.0, 0.0); (
395720.7, 3869276.2, 777.4, 1275.0, 0.0);
( 395770.7, 3869276.2, 777.0, 1275.0, 0.0); (
395820.7, 3869276.2, 777.0, 777.0, 0.0);
( 395270.7, 3869326.2, 780.0, 1275.0, 0.0); (
395320.7, 3869326.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869326.2, 780.0, 1275.0, 0.0); (
395420.7, 3869326.2, 779.0, 1275.0, 0.0);
( 395470.7, 3869326.2, 779.0, 1275.0, 0.0); (
395520.7, 3869326.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869326.2, 778.0, 1275.0, 0.0); (
395620.7, 3869326.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869326.2, 778.0, 1275.0, 0.0); (
395720.7, 3869326.2, 777.0, 1275.0, 0.0);
( 395770.7, 3869326.2, 777.0, 1275.0, 0.0); (
395820.7, 3869326.2, 777.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395270.7, 3869376.2, 780.0, 1275.0, 0.0); ( 395320.7, 3869376.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869376.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869376.2, 779.6, 1275.0, 0.0);
( 395470.7, 3869376.2, 779.0, 1275.0, 0.0); ( 395520.7, 3869376.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869376.2, 778.4, 1275.0, 0.0); ( 395620.7, 3869376.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869376.2, 778.0, 1275.0, 0.0); ( 395720.7, 3869376.2, 777.4, 1275.0, 0.0);
( 395770.7, 3869376.2, 777.0, 1275.0, 0.0); ( 395820.7, 3869376.2, 777.0, 1275.0, 0.0);
( 395270.7, 3869426.2, 780.2, 1275.0, 0.0); ( 395320.7, 3869426.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869426.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869426.2, 779.8, 1275.0, 0.0);
( 395470.7, 3869426.2, 779.0, 1275.0, 0.0); ( 395520.7, 3869426.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869426.2, 778.6, 1275.0, 0.0); ( 395620.7, 3869426.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869426.2, 778.0, 1275.0, 0.0); ( 395720.7, 3869426.2, 777.6, 1275.0, 0.0);
( 395770.7, 3869426.2, 777.0, 1275.0, 0.0); ( 395820.7, 3869426.2, 777.0, 1275.0, 0.0);
( 395270.7, 3869476.2, 780.0, 1275.0, 0.0); ( 395320.7, 3869476.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869476.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869476.2, 780.0, 1275.0, 0.0);
( 395470.7, 3869476.2, 779.0, 1275.0, 0.0); ( 395520.7, 3869476.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869476.2, 779.0, 1275.0, 0.0); ( 395620.7, 3869476.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869476.2, 778.0, 1275.0, 0.0); ( 395720.7, 3869476.2, 777.6, 1275.0, 0.0);
( 395770.7, 3869476.2, 777.0, 1275.0, 0.0); ( 395820.7, 3869476.2, 777.0, 1275.0, 0.0);
( 395270.7, 3869526.2, 780.0, 1275.0, 0.0); ( 395320.7, 3869526.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869526.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869526.2, 780.0, 1275.0, 0.0);

( 395470.7, 3869526.2, 779.0, 1275.0, 0.0); ( 395520.7, 3869526.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869526.2, 779.0, 1275.0, 0.0); ( 395620.7, 3869526.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869526.2, 778.0, 1275.0, 0.0); ( 395720.7, 3869526.2, 778.0, 1275.0, 0.0);
( 395770.7, 3869526.2, 777.0, 1275.0, 0.0); ( 395820.7, 3869526.2, 777.0, 1275.0, 0.0);
( 395270.7, 3869576.2, 780.8, 1275.0, 0.0); ( 395320.7, 3869576.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869576.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869576.2, 780.0, 1275.0, 0.0);
( 395470.7, 3869576.2, 779.0, 1275.0, 0.0); ( 395520.7, 3869576.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869576.2, 779.0, 1275.0, 0.0); ( 395620.7, 3869576.2, 779.0, 1275.0, 0.0);
( 395670.7, 3869576.2, 778.0, 1275.0, 0.0); ( 395720.7, 3869576.2, 778.0, 1275.0, 0.0);
( 395770.7, 3869576.2, 778.0, 1275.0, 0.0); ( 395820.7, 3869576.2, 777.0, 1275.0, 0.0);
( 395270.7, 3869626.2, 781.0, 1275.0, 0.0); ( 395320.7, 3869626.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869626.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869626.2, 780.0, 1275.0, 0.0);
( 395470.7, 3869626.2, 780.0, 1275.0, 0.0); ( 395520.7, 3869626.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869626.2, 779.0, 1275.0, 0.0); ( 395620.7, 3869626.2, 779.0, 1275.0, 0.0);
( 395670.7, 3869626.2, 778.3, 1275.0, 0.0); ( 395720.7, 3869626.2, 778.0, 1275.0, 0.0);
( 395770.7, 3869626.2, 778.0, 1275.0, 0.0); ( 395820.7, 3869626.2, 777.3, 1275.0, 0.0);
( 395270.7, 3869676.2, 780.7, 1275.0, 0.0); ( 395320.7, 3869676.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869676.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869676.2, 780.0, 1275.0, 0.0);
( 395470.7, 3869676.2, 780.0, 1275.0, 0.0); ( 395520.7, 3869676.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869676.2, 779.0, 1275.0, 0.0); ( 395620.7, 3869676.2, 779.0, 1275.0, 0.0);
( 395670.7, 3869676.2, 778.8, 1275.0, 0.0); ( 395720.7, 3869676.2, 778.0, 1275.0, 0.0);
( 395770.7, 3869676.2, 778.0, 1275.0, 0.0); ( 395820.7, 3869676.2, 777.8, 1275.0, 0.0);
( 395270.7, 3869726.2, 780.0, 1275.0, 0.0); ( 395320.7, 3869726.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869726.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869726.2, 780.0, 1275.0, 0.0);
( 395470.7, 3869726.2, 780.0, 1275.0, 0.0); ( 395520.7, 3869726.2, 779.3, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395570.7, 3869726.2,     779.0,    1275.0,       0.0);         (
395620.7, 3869726.2,     779.0,    1275.0,       0.0);
     ( 395670.7, 3869726.2,     779.0,    1275.0,       0.0);         (
395720.7, 3869726.2,     778.2,    1275.0,       0.0);
     ( 395770.7, 3869726.2,     778.0,    1275.0,       0.0);         (
395820.7, 3869726.2,     778.0,    1275.0,       0.0);
     ( 395270.7, 3869776.2,     780.6,    1275.0,       0.0);         (
395320.7, 3869776.2,     781.0,    1275.0,       0.0);
     ( 395370.7, 3869776.2,     780.0,    1275.0,       0.0);         (
395420.7, 3869776.2,     780.0,    1275.0,       0.0);
     ( 395470.7, 3869776.2,     780.0,    1275.0,       0.0);         (
395520.7, 3869776.2,     780.0,    1275.0,       0.0);
     ( 395570.7, 3869776.2,     779.0,    1275.0,       0.0);         (
395620.7, 3869776.2,     779.0,    1275.0,       0.0);
     ( 395670.7, 3869776.2,     779.0,    1275.0,       0.0);         (
395720.7, 3869776.2,     778.6,    1275.0,       0.0);
     ( 395770.7, 3869776.2,     778.0,    1275.0,       0.0);         (
395820.7, 3869776.2,     778.0,    1275.0,       0.0);
     ( 395270.7, 3869826.2,     781.0,    1275.0,       0.0);         (
395320.7, 3869826.2,     781.0,    1275.0,       0.0);
     ( 395370.7, 3869826.2,     780.2,    1275.0,       0.0);         (
395420.7, 3869826.2,     780.0,    1275.0,       0.0);
     ( 395470.7, 3869826.2,     780.0,    1275.0,       0.0);         (
395520.7, 3869826.2,     780.0,    1275.0,       0.0);
     ( 395570.7, 3869826.2,     779.4,    1275.0,       0.0);         (
395620.7, 3869826.2,     779.0,    1275.0,       0.0);
     ( 395670.7, 3869826.2,     779.0,    1275.0,       0.0);         (
395720.7, 3869826.2,     779.0,    1275.0,       0.0);
     ( 395770.7, 3869826.2,     778.7,    1275.0,       0.0);         (
395820.7, 3869826.2,     778.0,    1275.0,       0.0);
     ( 395270.7, 3869876.2,     781.0,    1275.0,       0.0);         (
395320.7, 3869876.2,     781.0,    1275.0,       0.0);
     ( 395370.7, 3869876.2,     781.0,    1275.0,       0.0);         (
395420.7, 3869876.2,     780.6,    1275.0,       0.0);
     ( 395470.7, 3869876.2,     780.0,    1275.0,       0.0);         (
395520.7, 3869876.2,     780.0,    1275.0,       0.0);
     ( 395570.7, 3869876.2,     780.0,    1275.0,       0.0);         (
395620.7, 3869876.2,     779.3,    1275.0,       0.0);
     ( 395670.7, 3869876.2,     779.0,    1275.0,       0.0);         (
395720.7, 3869876.2,     779.0,    1275.0,       0.0);
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( 395770.7, 3869876.2, 779.0, 1275.0, 0.0); ( 395820.7, 3869876.2, 778.5, 1275.0, 0.0);
( 395270.7, 3869926.2, 781.6, 1275.0, 0.0); ( 395320.7, 3869926.2, 781.0, 1275.0, 0.0);
( 395370.7, 3869926.2, 781.0, 1275.0, 0.0); ( 395420.7, 3869926.2, 781.0, 1275.0, 0.0);
( 395470.7, 3869926.2, 780.0, 1275.0, 0.0); ( 395520.7, 3869926.2, 780.0, 1275.0, 0.0);
( 395570.7, 3869926.2, 780.0, 1275.0, 0.0); ( 395620.7, 3869926.2, 780.0, 1275.0, 0.0);
( 395670.7, 3869926.2, 779.3, 1275.0, 0.0); ( 395720.7, 3869926.2, 779.0, 1275.0, 0.0);
( 395770.7, 3869926.2, 779.0, 1275.0, 0.0); ( 395820.7, 3869926.2, 779.0, 1275.0, 0.0);
( 395270.7, 3869976.2, 782.0, 1275.0, 0.0); ( 395320.7, 3869976.2, 781.7, 1275.0, 0.0);
( 395370.7, 3869976.2, 781.0, 1275.0, 0.0); ( 395420.7, 3869976.2, 781.0, 1275.0, 0.0);
( 395470.7, 3869976.2, 780.0, 1275.0, 0.0); ( 395520.7, 3869976.2, 780.0, 1275.0, 0.0);
( 395570.7, 3869976.2, 780.0, 1275.0, 0.0); ( 395620.7, 3869976.2, 780.0, 1275.0, 0.0);
( 395670.7, 3869976.2, 780.0, 1275.0, 0.0); ( 395720.7, 3869976.2, 779.4, 1275.0, 0.0);
( 395770.7, 3869976.2, 779.0, 1275.0, 0.0); ( 395820.7, 3869976.2, 779.0, 1275.0, 0.0);
( 395870.7, 3869976.2, 779.0, 1275.0, 0.0); ( 395920.7, 3869976.2, 778.7, 1275.0, 0.0);
( 395970.7, 3869976.2, 778.0, 1275.0, 0.0); ( 396020.7, 3869976.2, 778.0, 1275.0, 0.0);
( 396070.7, 3869976.2, 778.0, 1275.0, 0.0); ( 396120.7, 3869976.2, 777.2, 1275.0, 0.0);
( 396170.7, 3869976.2, 777.0, 777.0, 0.0); ( 396220.7, 3869976.2, 777.0, 777.0, 0.0);
( 396270.7, 3869976.2, 776.2, 776.2, 0.0); ( 396320.7, 3869976.2, 776.0, 776.0, 0.0);
( 396370.7, 3869976.2, 776.0, 776.0, 0.0); ( 396420.7, 3869976.2, 776.0, 776.0, 0.0);
( 396470.7, 3869976.2, 775.9, 775.9, 0.0); ( 396520.7, 3869976.2, 775.0, 775.0, 0.0);
( 396570.7, 3869976.2, 775.0, 775.0, 0.0); ( 396620.7, 3869976.2, 774.4, 774.4, 0.0);
( 396668.3, 3869988.3, 774.0, 774.0, 0.0); ( 396718.3, 3869988.3, 774.1, 774.1, 0.0);
( 396768.3, 3869988.3, 775.0, 775.0, 0.0); ( 396818.3, 3869988.3, 775.0, 775.0, 0.0);
( 396868.3, 3869993.1, 774.1, 774.1, 0.0); ( 396918.3, 3869993.1, 774.0, 774.0, 0.0);
( 396968.3, 3869993.1, 774.0, 774.0, 0.0); ( 397018.3, 3869993.1, 774.2, 774.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 397068.3, 3869993.1,     774.0,     774.0,       0.0);         (
397118.3, 3869993.1,     774.0,     774.0,       0.0);
     ( 397168.3, 3869993.1,     774.0,     774.0,       0.0);         (
397218.3, 3869993.1,     773.3,     773.3,       0.0);
     ( 397268.3, 3869993.1,     773.3,     773.3,       0.0);         (
395270.7, 3870026.2,     782.0,    1275.0,       0.0);
     ( 395320.7, 3870026.2,     782.0,    1275.0,       0.0);         (
395370.7, 3870026.2,     781.5,    1275.0,       0.0);
     ( 395420.7, 3870026.2,     781.0,    1275.0,       0.0);         (
395470.7, 3870026.2,     781.0,    1275.0,       0.0);
     ( 395520.7, 3870026.2,     780.1,    1275.0,       0.0);         (
395570.7, 3870026.2,     780.0,    1275.0,       0.0);
     ( 395620.7, 3870026.2,     780.0,    1275.0,       0.0);         (
395670.7, 3870026.2,     780.0,    1275.0,       0.0);
     ( 395720.7, 3870026.2,     780.0,    1275.0,       0.0);         (
395770.7, 3870026.2,     779.3,    1275.0,       0.0);
     ( 395820.7, 3870026.2,     779.0,    1275.0,       0.0);         (
395870.7, 3870026.2,     779.0,    1275.0,       0.0);
     ( 395920.7, 3870026.2,     779.0,    1275.0,       0.0);         (
395970.7, 3870026.2,     778.1,    1275.0,       0.0);
     ( 396020.7, 3870026.2,     778.0,    1275.0,       0.0);         (
396070.7, 3870026.2,     778.0,    1275.0,       0.0);
     ( 396120.7, 3870026.2,     778.0,    1275.0,       0.0);         (
396170.7, 3870026.2,     777.0,     777.0,       0.0);
     ( 396220.7, 3870026.2,     777.0,     777.0,       0.0);         (
396270.7, 3870026.2,     777.0,     777.0,       0.0);
     ( 396320.7, 3870026.2,     776.2,     776.2,       0.0);         (
396370.7, 3870026.2,     776.0,     776.0,       0.0);
     ( 396420.7, 3870026.2,     776.0,     776.0,       0.0);         (
396470.7, 3870026.2,     776.0,     776.0,       0.0);
     ( 396520.7, 3870026.2,     776.0,     776.0,       0.0);         (
396570.7, 3870026.2,     775.1,     775.1,       0.0);
     ( 396620.7, 3870026.2,     775.0,     775.0,       0.0);         (
396670.7, 3870026.2,     774.4,     774.4,       0.0);
     ( 396720.7, 3870026.2,     775.0,     775.0,       0.0);         (
396770.7, 3870026.2,     775.0,     775.0,       0.0);
     ( 396820.7, 3870026.2,     775.0,     775.0,       0.0);         (
396870.7, 3870026.2,     774.3,     774.3,       0.0);
     ( 396920.7, 3870026.2,     774.0,     774.0,       0.0);         (
396970.7, 3870026.2,     774.0,     774.0,       0.0);
```

( 397020.7, 3870026.2, 774.8, 774.8, 0.0); (
397070.7, 3870026.2, 774.2, 774.2, 0.0);
( 397120.7, 3870026.2, 774.0, 774.0, 0.0); (
397170.7, 3870026.2, 774.0, 774.0, 0.0);
( 397220.7, 3870026.2, 773.4, 773.4, 0.0); (
397270.7, 3870026.2, 773.4, 773.4, 0.0);
( 395270.7, 3870076.2, 782.0, 1275.0, 0.0); (
395320.7, 3870076.2, 782.0, 1275.0, 0.0);
( 395370.7, 3870076.2, 782.0, 1275.0, 0.0); (
395420.7, 3870076.2, 781.6, 1275.0, 0.0);
( 395470.7, 3870076.2, 781.0, 1275.0, 0.0); (
395520.7, 3870076.2, 781.0, 1275.0, 0.0);
( 395570.7, 3870076.2, 781.0, 1275.0, 0.0); (
395620.7, 3870076.2, 780.0, 1275.0, 0.0);
( 395670.7, 3870076.2, 780.0, 1275.0, 0.0); (
395720.7, 3870076.2, 780.0, 1275.0, 0.0);
( 395770.7, 3870076.2, 780.0, 1275.0, 0.0); (
395820.7, 3870076.2, 779.3, 1275.0, 0.0);
( 395870.7, 3870076.2, 779.0, 1275.0, 0.0); (
395920.7, 3870076.2, 779.0, 1275.0, 0.0);
( 395970.7, 3870076.2, 779.0, 1275.0, 0.0); (
396020.7, 3870076.2, 778.0, 1275.0, 0.0);
( 396070.7, 3870076.2, 778.0, 1275.0, 0.0); (
396120.7, 3870076.2, 778.0, 1275.0, 0.0);
( 396170.7, 3870076.2, 777.6, 777.6, 0.0); (
396220.7, 3870076.2, 777.0, 777.0, 0.0);
( 396270.7, 3870076.2, 777.0, 777.0, 0.0); (
396320.7, 3870076.2, 777.0, 777.0, 0.0);
( 396370.7, 3870076.2, 776.0, 776.0, 0.0); (
396420.7, 3870076.2, 776.0, 776.0, 0.0);
( 396470.7, 3870076.2, 776.0, 776.0, 0.0); (
396520.7, 3870076.2, 776.0, 776.0, 0.0);
( 396570.7, 3870076.2, 776.0, 776.0, 0.0); (
396620.7, 3870076.2, 776.0, 776.0, 0.0);
( 396670.7, 3870076.2, 776.0, 776.0, 0.0); (
396720.7, 3870076.2, 775.0, 775.0, 0.0);
( 396770.7, 3870076.2, 775.0, 775.0, 0.0); (
396820.7, 3870076.2, 775.0, 775.0, 0.0);
( 396870.7, 3870076.2, 775.0, 775.0, 0.0); (
396920.7, 3870076.2, 775.0, 775.0, 0.0);
( 396970.7, 3870076.2, 775.0, 775.0, 0.0); (
397020.7, 3870076.2, 775.0, 775.0, 0.0);
( 397070.7, 3870076.2, 774.6, 774.6, 0.0); (
397120.7, 3870076.2, 774.0, 774.0, 0.0);
( 397170.7, 3870076.2, 774.0, 774.0, 0.0); (
397220.7, 3870076.2, 773.6, 773.6, 0.0);
( 397270.7, 3870076.2, 773.6, 773.6, 0.0); (
395270.7, 3870126.2, 782.9, 1275.0, 0.0);
( 395320.7, 3870126.2, 782.0, 1275.0, 0.0); (
395370.7, 3870126.2, 782.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395420.7, 3870126.2, 782.0, 1275.0, 0.0); ( 395470.7, 3870126.2, 781.7, 1275.0, 0.0);
( 395520.7, 3870126.2, 781.0, 1275.0, 0.0); ( 395570.7, 3870126.2, 781.0, 1275.0, 0.0);
( 395620.7, 3870126.2, 781.0, 1275.0, 0.0); ( 395670.7, 3870126.2, 780.7, 1275.0, 0.0);
( 395720.7, 3870126.2, 780.0, 1275.0, 0.0); ( 395770.7, 3870126.2, 780.0, 1275.0, 0.0);
( 395820.7, 3870126.2, 780.0, 1275.0, 0.0); ( 395870.7, 3870126.2, 779.4, 1275.0, 0.0);
( 395920.7, 3870126.2, 779.0, 1275.0, 0.0); ( 395970.7, 3870126.2, 779.0, 1275.0, 0.0);
( 396020.7, 3870126.2, 778.6, 1275.0, 0.0); ( 396070.7, 3870126.2, 778.0, 1275.0, 0.0);
( 396120.7, 3870126.2, 778.0, 1275.0, 0.0); ( 396170.7, 3870126.2, 778.0, 1275.0, 0.0);
( 396220.7, 3870126.2, 777.7, 777.7, 0.0); ( 396270.7, 3870126.2, 777.0, 777.0, 0.0);
( 396320.7, 3870126.2, 777.0, 777.0, 0.0); ( 396370.7, 3870126.2, 777.0, 777.0, 0.0);
( 396420.7, 3870126.2, 776.2, 776.2, 0.0); ( 396470.7, 3870126.2, 776.0, 776.0, 0.0);
( 396520.7, 3870126.2, 776.0, 776.0, 0.0); ( 396570.7, 3870126.2, 776.0, 776.0, 0.0);
( 396620.7, 3870126.2, 776.0, 776.0, 0.0); ( 396670.7, 3870126.2, 776.0, 776.0, 0.0);
( 396720.7, 3870126.2, 776.0, 776.0, 0.0); ( 396770.7, 3870126.2, 775.9, 775.9, 0.0);
( 396820.7, 3870126.2, 775.7, 775.7, 0.0); ( 396870.7, 3870126.2, 775.0, 775.0, 0.0);
( 396920.7, 3870126.2, 775.0, 775.0, 0.0); ( 396970.7, 3870126.2, 775.0, 775.0, 0.0);
( 397020.7, 3870126.2, 775.0, 775.0, 0.0); ( 397070.7, 3870126.2, 774.6, 774.6, 0.0);
( 397120.7, 3870126.2, 774.0, 774.0, 0.0); ( 397170.7, 3870126.2, 774.0, 774.0, 0.0);
( 397220.7, 3870126.2, 773.9, 773.9, 0.0); ( 397270.7, 3870126.2, 773.9, 773.9, 0.0);
( 395270.7, 3870176.2, 783.0, 1275.0, 0.0); ( 395320.7, 3870176.2, 783.0, 1275.0, 0.0);

( 395370.7, 3870176.2, 782.1, 1275.0, 0.0); (
395420.7, 3870176.2, 782.0, 1275.0, 0.0);
( 395470.7, 3870176.2, 782.0, 1275.0, 0.0); (
395520.7, 3870176.2, 781.3, 1275.0, 0.0);
( 395570.7, 3870176.2, 781.0, 1275.0, 0.0); (
395620.7, 3870176.2, 781.0, 1275.0, 0.0);
( 395670.7, 3870176.2, 781.0, 1275.0, 0.0); (
395720.7, 3870176.2, 780.2, 1275.0, 0.0);
( 395770.7, 3870176.2, 780.0, 1275.0, 0.0); (
395820.7, 3870176.2, 780.0, 1275.0, 0.0);
( 395870.7, 3870176.2, 779.8, 1275.0, 0.0); (
395920.7, 3870176.2, 779.0, 1275.0, 0.0);
( 395970.7, 3870176.2, 779.0, 1275.0, 0.0); (
396020.7, 3870176.2, 779.0, 1275.0, 0.0);
( 396070.7, 3870176.2, 778.0, 1275.0, 0.0); (
396120.7, 3870176.2, 778.0, 1275.0, 0.0);
( 396170.7, 3870176.2, 778.0, 1275.0, 0.0); (
396220.7, 3870176.2, 778.0, 778.0, 0.0);
( 396270.7, 3870176.2, 777.5, 777.5, 0.0); (
396320.7, 3870176.2, 777.0, 777.0, 0.0);
( 396370.7, 3870176.2, 777.0, 777.0, 0.0); (
396420.7, 3870176.2, 777.0, 777.0, 0.0);
( 396470.7, 3870176.2, 776.8, 776.8, 0.0); (
396520.7, 3870176.2, 776.0, 776.0, 0.0);
( 396570.7, 3870176.2, 776.0, 776.0, 0.0); (
396620.7, 3870176.2, 776.0, 776.0, 0.0);
( 396670.7, 3870176.2, 776.0, 776.0, 0.0); (
396720.7, 3870176.2, 776.0, 776.0, 0.0);
( 396770.7, 3870176.2, 776.0, 776.0, 0.0); (
396820.7, 3870176.2, 776.0, 776.0, 0.0);
( 396870.7, 3870176.2, 776.0, 776.0, 0.0); (
396920.7, 3870176.2, 775.2, 775.2, 0.0);
( 396970.7, 3870176.2, 775.0, 775.0, 0.0); (
397020.7, 3870176.2, 775.0, 775.0, 0.0);
( 397070.7, 3870176.2, 774.8, 774.8, 0.0); (
397120.7, 3870176.2, 774.0, 774.0, 0.0);
( 397170.7, 3870176.2, 774.0, 774.0, 0.0); (
397220.7, 3870176.2, 774.2, 774.2, 0.0);
( 397270.7, 3870176.2, 774.2, 774.2, 0.0); (
395270.7, 3870226.2, 783.0, 1275.0, 0.0);
( 395320.7, 3870226.2, 783.0, 1275.0, 0.0); (
395370.7, 3870226.2, 783.0, 1275.0, 0.0);
( 395420.7, 3870226.2, 782.0, 1275.0, 0.0); (
395470.7, 3870226.2, 782.0, 1275.0, 0.0);
( 395520.7, 3870226.2, 782.0, 1275.0, 0.0); (
395570.7, 3870226.2, 781.0, 1275.0, 0.0);
( 395620.7, 3870226.2, 781.0, 1275.0, 0.0); (
395670.7, 3870226.2, 781.0, 1275.0, 0.0);
( 395720.7, 3870226.2, 781.0, 1275.0, 0.0); (
395770.7, 3870226.2, 780.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395820.7, 3870226.2, 780.0, 1275.0, 0.0); ( 395870.7, 3870226.2, 780.0, 1275.0, 0.0);
( 395920.7, 3870226.2, 779.0, 1275.0, 0.0); ( 395970.7, 3870226.2, 779.0, 1275.0, 0.0);
( 396020.7, 3870226.2, 779.0, 1275.0, 0.0); ( 396070.7, 3870226.2, 779.0, 1275.0, 0.0);
( 396120.7, 3870226.2, 778.0, 1275.0, 0.0); ( 396170.7, 3870226.2, 778.0, 1275.0, 0.0);
( 396220.7, 3870226.2, 778.0, 778.0, 0.0); ( 396270.7, 3870226.2, 778.0, 778.0, 0.0);
( 396320.7, 3870226.2, 777.6, 777.6, 0.0); ( 396370.7, 3870226.2, 777.0, 777.0, 0.0);
( 396420.7, 3870226.2, 777.0, 777.0, 0.0); ( 396470.7, 3870226.2, 777.0, 777.0, 0.0);
( 396520.7, 3870226.2, 777.0, 777.0, 0.0); ( 396570.7, 3870226.2, 776.0, 776.0, 0.0);
( 396620.7, 3870226.2, 776.0, 776.0, 0.0); ( 396670.7, 3870226.2, 776.0, 776.0, 0.0);
( 396720.7, 3870226.2, 776.0, 776.0, 0.0); ( 396770.7, 3870226.2, 776.0, 776.0, 0.0);
( 396820.7, 3870226.2, 776.0, 776.0, 0.0); ( 396870.7, 3870226.2, 776.0, 776.0, 0.0);
( 396920.7, 3870226.2, 776.0, 776.0, 0.0); ( 396970.7, 3870226.2, 775.0, 775.0, 0.0);
( 397020.7, 3870226.2, 775.0, 775.0, 0.0); ( 397070.7, 3870226.2, 775.0, 775.0, 0.0);
( 397120.7, 3870226.2, 774.0, 774.0, 0.0); ( 397170.7, 3870226.2, 774.0, 774.0, 0.0);
( 397220.7, 3870226.2, 774.5, 774.5, 0.0); ( 397270.7, 3870226.2, 774.5, 774.5, 0.0);
( 395270.7, 3870276.2, 783.9, 1275.0, 0.0); ( 395320.7, 3870276.2, 783.0, 1275.0, 0.0);
( 395370.7, 3870276.2, 783.0, 1275.0, 0.0); ( 395420.7, 3870276.2, 782.4, 1275.0, 0.0);
( 395470.7, 3870276.2, 782.0, 1275.0, 0.0); ( 395520.7, 3870276.2, 782.0, 1275.0, 0.0);
( 395570.7, 3870276.2, 781.6, 1275.0, 0.0); ( 395620.7, 3870276.2, 781.0, 1275.0, 0.0);
( 395670.7, 3870276.2, 781.0, 1275.0, 0.0); ( 395720.7, 3870276.2, 781.0, 1275.0, 0.0);

( 395770.7, 3870276.2, 780.0, 1275.0, 0.0); (
395820.7, 3870276.2, 780.0, 1275.0, 0.0);
( 395870.7, 3870276.2, 780.0, 1275.0, 0.0); (
395920.7, 3870276.2, 780.0, 1275.0, 0.0);
( 395970.7, 3870276.2, 779.0, 1275.0, 0.0); (
396020.7, 3870276.2, 779.0, 1275.0, 0.0);
( 396070.7, 3870276.2, 779.0, 1275.0, 0.0); (
396120.7, 3870276.2, 778.2, 1275.0, 0.0);
( 396170.7, 3870276.2, 778.0, 1275.0, 0.0); (
396220.7, 3870276.2, 778.0, 1275.0, 0.0);
( 396270.7, 3870276.2, 778.0, 778.0, 0.0); (
396320.7, 3870276.2, 778.0, 778.0, 0.0);
( 396370.7, 3870276.2, 777.7, 777.7, 0.0); (
396420.7, 3870276.2, 777.0, 777.0, 0.0);
( 396470.7, 3870276.2, 777.0, 777.0, 0.0); (
396520.7, 3870276.2, 777.0, 777.0, 0.0);
( 396570.7, 3870276.2, 777.0, 777.0, 0.0); (
396620.7, 3870276.2, 776.7, 776.7, 0.0);
( 396670.7, 3870276.2, 776.7, 776.7, 0.0); (
396720.7, 3870276.2, 776.9, 776.9, 0.0);
( 396770.7, 3870276.2, 776.9, 776.9, 0.0); (
396820.7, 3870276.2, 776.7, 776.7, 0.0);
( 396870.7, 3870276.2, 776.0, 776.0, 0.0); (
396920.7, 3870276.2, 776.0, 776.0, 0.0);
( 396970.7, 3870276.2, 776.0, 776.0, 0.0); (
397020.7, 3870276.2, 775.2, 775.2, 0.0);
( 397070.7, 3870276.2, 775.0, 775.0, 0.0); (
397120.7, 3870276.2, 775.0, 775.0, 0.0);
( 397170.7, 3870276.2, 774.8, 774.8, 0.0); (
397220.7, 3870276.2, 774.8, 774.8, 0.0);
( 397270.7, 3870276.2, 774.7, 774.7, 0.0); (
395270.7, 3870326.2, 784.0, 1275.0, 0.0);
( 395320.7, 3870326.2, 784.0, 1275.0, 0.0); (
395370.7, 3870326.2, 783.0, 1275.0, 0.0);
( 395420.7, 3870326.2, 783.0, 1275.0, 0.0); (
395470.7, 3870326.2, 782.0, 1275.0, 0.0);
( 395520.7, 3870326.2, 782.0, 1275.0, 0.0); (
395570.7, 3870326.2, 782.0, 1275.0, 0.0);
( 395620.7, 3870326.2, 781.3, 1275.0, 0.0); (
395670.7, 3870326.2, 781.0, 1275.0, 0.0);
( 395720.7, 3870326.2, 781.0, 1275.0, 0.0); (
395770.7, 3870326.2, 780.0, 1275.0, 0.0);
( 395820.7, 3870326.2, 780.0, 1275.0, 0.0); (
395870.7, 3870326.2, 780.0, 1275.0, 0.0);
( 395920.7, 3870326.2, 780.0, 1275.0, 0.0); (
395970.7, 3870326.2, 779.5, 1275.0, 0.0);
( 396020.7, 3870326.2, 779.0, 1275.0, 0.0); (
396070.7, 3870326.2, 779.0, 1275.0, 0.0);
( 396120.7, 3870326.2, 779.0, 1275.0, 0.0); (
396170.7, 3870326.2, 778.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396220.7, 3870326.2, 778.0, 1275.0, 0.0); ( 396270.7, 3870326.2, 778.0, 778.0, 0.0);
( 396320.7, 3870326.2, 778.0, 778.0, 0.0); ( 396370.7, 3870326.2, 778.0, 778.0, 0.0);
( 396420.7, 3870326.2, 777.5, 777.5, 0.0); ( 396470.7, 3870326.2, 777.0, 777.0, 0.0);
( 396520.7, 3870326.2, 777.0, 777.0, 0.0); ( 396570.7, 3870326.2, 777.0, 777.0, 0.0);
( 396620.7, 3870326.2, 777.0, 777.0, 0.0); ( 396670.7, 3870326.2, 777.0, 777.0, 0.0);
( 396720.7, 3870326.2, 777.0, 777.0, 0.0); ( 396770.7, 3870326.2, 777.0, 777.0, 0.0);
( 396820.7, 3870326.2, 777.0, 777.0, 0.0); ( 396870.7, 3870326.2, 776.5, 776.5, 0.0);
( 396920.7, 3870326.2, 776.0, 776.0, 0.0); ( 396970.7, 3870326.2, 776.0, 776.0, 0.0);
( 397020.7, 3870326.2, 776.0, 776.0, 0.0); ( 397070.7, 3870326.2, 775.8, 775.8, 0.0);
( 397120.7, 3870326.2, 775.0, 775.0, 0.0); ( 397170.7, 3870326.2, 775.0, 775.0, 0.0);
( 397220.7, 3870326.2, 775.2, 775.2, 0.0); ( 397270.7, 3870326.2, 774.9, 774.9, 0.0);
( 395270.7, 3870376.2, 784.6, 1275.0, 0.0); ( 395320.7, 3870376.2, 784.0, 1275.0, 0.0);
( 395370.7, 3870376.2, 783.3, 1275.0, 0.0); ( 395420.7, 3870376.2, 783.0, 1275.0, 0.0);
( 395470.7, 3870376.2, 783.0, 1275.0, 0.0); ( 395520.7, 3870376.2, 782.0, 1275.0, 0.0);
( 395570.7, 3870376.2, 782.0, 1275.0, 0.0); ( 395620.7, 3870376.2, 782.0, 1275.0, 0.0);
( 395670.7, 3870376.2, 781.0, 1275.0, 0.0); ( 395720.7, 3870376.2, 781.0, 1275.0, 0.0);
( 395770.7, 3870376.2, 780.0, 1275.0, 0.0); ( 395820.7, 3870376.2, 780.0, 1275.0, 0.0);
( 395870.7, 3870376.2, 780.0, 1275.0, 0.0); ( 395920.7, 3870376.2, 780.0, 1275.0, 0.0);
( 395970.7, 3870376.2, 780.0, 1275.0, 0.0); ( 396020.7, 3870376.2, 779.0, 1275.0, 0.0);
( 396070.7, 3870376.2, 779.0, 1275.0, 0.0); ( 396120.7, 3870376.2, 779.0, 1275.0, 0.0);

( 396170.7, 3870376.2, 778.6, 1275.0, 0.0); (
396220.7, 3870376.2, 778.0, 1275.0, 0.0);
( 396270.7, 3870376.2, 778.0, 778.0, 0.0); (
396320.7, 3870376.2, 778.0, 778.0, 0.0);
( 396370.7, 3870376.2, 778.0, 778.0, 0.0); (
396420.7, 3870376.2, 778.0, 778.0, 0.0);
( 396470.7, 3870376.2, 777.6, 777.6, 0.0); (
396520.7, 3870376.2, 777.0, 777.0, 0.0);
( 396570.7, 3870376.2, 777.0, 777.0, 0.0); (
396620.7, 3870376.2, 777.0, 777.0, 0.0);
( 396670.7, 3870376.2, 777.0, 777.0, 0.0); (
396720.7, 3870376.2, 777.0, 777.0, 0.0);
( 396770.7, 3870376.2, 777.0, 777.0, 0.0); (
396820.7, 3870376.2, 777.0, 777.0, 0.0);
( 396870.7, 3870376.2, 777.0, 777.0, 0.0); (
396920.7, 3870376.2, 777.0, 777.0, 0.0);
( 396970.7, 3870376.2, 777.0, 777.0, 0.0); (
397020.7, 3870376.2, 776.0, 776.0, 0.0);
( 397070.7, 3870376.2, 776.0, 776.0, 0.0); (
397120.7, 3870376.2, 776.0, 776.0, 0.0);
( 397170.7, 3870376.2, 775.3, 775.3, 0.0); (
397220.7, 3870376.2, 775.4, 775.4, 0.0);
( 397270.7, 3870376.2, 775.4, 775.4, 0.0); (
395270.7, 3870426.2, 785.0, 1275.0, 0.0);
( 395320.7, 3870426.2, 784.0, 1275.0, 0.0); (
395370.7, 3870426.2, 784.0, 1275.0, 0.0);
( 395420.7, 3870426.2, 783.0, 1275.0, 0.0); (
395470.7, 3870426.2, 783.0, 1275.0, 0.0);
( 395520.7, 3870426.2, 782.3, 1275.0, 0.0); (
395570.7, 3870426.2, 782.0, 1275.0, 0.0);
( 395620.7, 3870426.2, 782.0, 1275.0, 0.0); (
395670.7, 3870426.2, 781.3, 1275.0, 0.0);
( 395720.7, 3870426.2, 781.0, 1275.0, 0.0); (
395770.7, 3870426.2, 781.0, 1275.0, 0.0);
( 395820.7, 3870426.2, 780.2, 1275.0, 0.0); (
395870.7, 3870426.2, 780.0, 1275.0, 0.0);
( 395920.7, 3870426.2, 780.0, 1275.0, 0.0); (
395970.7, 3870426.2, 780.0, 1275.0, 0.0);
( 396020.7, 3870426.2, 779.6, 1275.0, 0.0); (
396070.7, 3870426.2, 779.0, 1275.0, 0.0);
( 396120.7, 3870426.2, 779.0, 1275.0, 0.0); (
396170.7, 3870426.2, 779.0, 1275.0, 0.0);
( 396220.7, 3870426.2, 778.7, 1275.0, 0.0); (
396270.7, 3870426.2, 778.2, 1273.0, 0.0);
( 396320.7, 3870426.2, 778.0, 778.0, 0.0); (
396370.7, 3870426.2, 778.0, 778.0, 0.0);
( 396420.7, 3870426.2, 778.0, 778.0, 0.0); (
396470.7, 3870426.2, 778.0, 778.0, 0.0);
( 396520.7, 3870426.2, 777.7, 777.7, 0.0); (
396570.7, 3870426.2, 777.2, 777.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396620.7, 3870426.2,     777.0,     777.0,       0.0);         (
396670.7, 3870426.2,     777.0,     777.0,       0.0);
     ( 396720.7, 3870426.2,     777.0,     777.0,       0.0);         (
396770.7, 3870426.2,     777.0,     777.0,       0.0);
     ( 396820.7, 3870426.2,     777.0,     777.0,       0.0);         (
396870.7, 3870426.2,     777.0,     777.0,       0.0);
     ( 396920.7, 3870426.2,     777.0,     777.0,       0.0);         (
396970.7, 3870426.2,     777.0,     777.0,       0.0);
     ( 397020.7, 3870426.2,     777.0,     777.0,       0.0);         (
397070.7, 3870426.2,     776.4,     776.4,       0.0);
     ( 397120.7, 3870426.2,     776.0,     776.0,       0.0);         (
397170.7, 3870426.2,     775.8,     775.8,       0.0);
     ( 397220.7, 3870426.2,     775.0,     775.0,       0.0);         (
397270.7, 3870426.2,     775.7,     775.7,       0.0);
     ( 395270.7, 3870476.2,     785.0,    1275.0,       0.0);         (
395320.7, 3870476.2,     785.0,    1275.0,       0.0);
     ( 395370.7, 3870476.2,     784.0,    1275.0,       0.0);         (
395420.7, 3870476.2,     783.6,    1275.0,       0.0);
     ( 395470.7, 3870476.2,     783.0,    1275.0,       0.0);         (
395520.7, 3870476.2,     783.0,    1275.0,       0.0);
     ( 395570.7, 3870476.2,     782.0,    1275.0,       0.0);         (
395620.7, 3870476.2,     782.0,    1275.0,       0.0);
     ( 395670.7, 3870476.2,     782.0,    1275.0,       0.0);         (
395720.7, 3870476.2,     781.2,    1275.0,       0.0);
     ( 395770.7, 3870476.2,     781.0,    1275.0,       0.0);         (
395820.7, 3870476.2,     781.0,    1275.0,       0.0);
     ( 395870.7, 3870476.2,     780.8,    1275.0,       0.0);         (
395920.7, 3870476.2,     780.0,    1275.0,       0.0);
     ( 395970.7, 3870476.2,     780.0,    1275.0,       0.0);         (
396020.7, 3870476.2,     780.0,    1275.0,       0.0);
     ( 396070.7, 3870476.2,     779.3,    1275.0,       0.0);         (
396120.7, 3870476.2,     779.0,    1275.0,       0.0);
     ( 396170.7, 3870476.2,     779.0,    1275.0,       0.0);         (
396220.7, 3870476.2,     779.0,    1275.0,       0.0);
     ( 396270.7, 3870476.2,     779.0,    1275.0,       0.0);         (
396320.7, 3870476.2,     778.4,     778.4,       0.0);
     ( 396370.7, 3870476.2,     778.0,     778.0,       0.0);         (
396420.7, 3870476.2,     778.0,     778.0,       0.0);
     ( 396470.7, 3870476.2,     778.0,     778.0,       0.0);         (
396520.7, 3870476.2,     778.0,     778.0,       0.0);
```

( 396570.7, 3870476.2, 778.0, 778.0, 0.0); ( 396620.7, 3870476.2, 777.2, 777.2, 0.0);
( 396670.7, 3870476.2, 777.0, 777.0, 0.0); ( 396720.7, 3870476.2, 777.0, 777.0, 0.0);
( 396770.7, 3870476.2, 777.0, 777.0, 0.0); ( 396820.7, 3870476.2, 777.0, 777.0, 0.0);
( 396870.7, 3870476.2, 777.0, 777.0, 0.0); ( 396920.7, 3870476.2, 777.0, 777.0, 0.0);
( 396970.7, 3870476.2, 777.0, 777.0, 0.0); ( 397020.7, 3870476.2, 777.0, 777.0, 0.0);
( 397070.7, 3870476.2, 777.0, 777.0, 0.0); ( 397120.7, 3870476.2, 776.0, 776.0, 0.0);
( 397170.7, 3870476.2, 776.0, 776.0, 0.0); ( 397220.7, 3870476.2, 776.0, 776.0, 0.0);
( 397270.7, 3870476.2, 776.1, 776.1, 0.0); ( 395270.7, 3870526.2, 785.0, 1275.0, 0.0);
( 395320.7, 3870526.2, 785.0, 1275.0, 0.0); ( 395370.7, 3870526.2, 784.0, 1275.0, 0.0);
( 395420.7, 3870526.2, 784.0, 1275.0, 0.0); ( 395470.7, 3870526.2, 783.0, 1275.0, 0.0);
( 395520.7, 3870526.2, 783.0, 1275.0, 0.0); ( 395570.7, 3870526.2, 782.6, 1275.0, 0.0);
( 395620.7, 3870526.2, 782.0, 1275.0, 0.0); ( 395670.7, 3870526.2, 782.0, 1275.0, 0.0);
( 395720.7, 3870526.2, 781.6, 1275.0, 0.0); ( 395770.7, 3870526.2, 781.0, 1275.0, 0.0);
( 395820.7, 3870526.2, 781.0, 1275.0, 0.0); ( 395870.7, 3870526.2, 781.0, 1275.0, 0.0);
( 395920.7, 3870526.2, 780.0, 1275.0, 0.0); ( 395970.7, 3870526.2, 780.0, 1275.0, 0.0);
( 396020.7, 3870526.2, 780.0, 1275.0, 0.0); ( 396070.7, 3870526.2, 780.0, 1275.0, 0.0);
( 396120.7, 3870526.2, 779.3, 1275.0, 0.0); ( 396170.7, 3870526.2, 779.0, 1275.0, 0.0);
( 396220.7, 3870526.2, 779.0, 1275.0, 0.0); ( 396270.7, 3870526.2, 779.0, 1275.0, 0.0);
( 396320.7, 3870526.2, 779.0, 779.0, 0.0); ( 396370.7, 3870526.2, 779.0, 779.0, 0.0);
( 396420.7, 3870526.2, 778.0, 778.0, 0.0); ( 396470.7, 3870526.2, 778.0, 778.0, 0.0);
( 396520.7, 3870526.2, 778.0, 778.0, 0.0); ( 396570.7, 3870526.2, 778.0, 778.0, 0.0);
( 396620.7, 3870526.2, 778.0, 778.0, 0.0); ( 396670.7, 3870526.2, 777.0, 777.0, 0.0);
( 396720.7, 3870526.2, 777.0, 777.0, 0.0); ( 396770.7, 3870526.2, 777.0, 777.0, 0.0);
( 396820.7, 3870526.2, 777.0, 777.0, 0.0); ( 396870.7, 3870526.2, 777.0, 777.0, 0.0);
( 396920.7, 3870526.2, 777.0, 777.0, 0.0); ( 396970.7, 3870526.2, 777.0, 777.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 397020.7, 3870526.2, 777.0, 777.0, 0.0); ( 397070.7, 3870526.2, 777.0, 777.0, 0.0);
( 397120.7, 3870526.2, 777.0, 777.0, 0.0); ( 397170.7, 3870526.2, 776.0, 776.0, 0.0);
( 397220.7, 3870526.2, 776.0, 776.0, 0.0); ( 397270.7, 3870526.2, 776.3, 776.3, 0.0);
( 395270.7, 3870576.2, 785.0, 1275.0, 0.0); ( 395320.7, 3870576.2, 785.0, 1275.0, 0.0);
( 395370.7, 3870576.2, 784.0, 1275.0, 0.0); ( 395420.7, 3870576.2, 784.0, 1275.0, 0.0);
( 395470.7, 3870576.2, 783.0, 1275.0, 0.0); ( 395520.7, 3870576.2, 783.0, 1275.0, 0.0);
( 395570.7, 3870576.2, 782.9, 1275.0, 0.0); ( 395620.7, 3870576.2, 782.0, 1275.0, 0.0);
( 395670.7, 3870576.2, 782.0, 1275.0, 0.0); ( 395720.7, 3870576.2, 782.0, 1275.0, 0.0);
( 395770.7, 3870576.2, 781.0, 1275.0, 0.0); ( 395820.7, 3870576.2, 781.0, 1275.0, 0.0);
( 395870.7, 3870576.2, 781.0, 1275.0, 0.0); ( 395920.7, 3870576.2, 780.7, 1275.0, 0.0);
( 395970.7, 3870576.2, 780.0, 1275.0, 0.0); ( 396020.7, 3870576.2, 780.0, 1275.0, 0.0);
( 396070.7, 3870576.2, 780.0, 1275.0, 0.0); ( 396120.7, 3870576.2, 780.0, 1275.0, 0.0);
( 396170.7, 3870576.2, 779.9, 1275.0, 0.0); ( 396220.7, 3870576.2, 779.7, 1275.0, 0.0);
( 396270.7, 3870576.2, 779.0, 1275.0, 0.0); ( 396320.7, 3870576.2, 779.0, 779.0, 0.0);
( 396370.7, 3870576.2, 779.0, 779.0, 0.0); ( 396420.7, 3870576.2, 778.8, 778.8, 0.0);
( 396470.7, 3870576.2, 778.7, 778.7, 0.0); ( 396520.7, 3870576.2, 778.0, 778.0, 0.0);
( 396570.7, 3870576.2, 778.0, 778.0, 0.0); ( 396620.7, 3870576.2, 778.0, 778.0, 0.0);
( 396670.7, 3870576.2, 778.0, 778.0, 0.0); ( 396720.7, 3870576.2, 777.8, 777.8, 0.0);
( 396770.7, 3870576.2, 777.4, 777.4, 0.0); ( 396820.7, 3870576.2, 777.0, 777.0, 0.0);
( 396870.7, 3870576.2, 777.0, 777.0, 0.0); ( 396920.7, 3870576.2, 777.0, 777.0, 0.0);

( 396970.7, 3870576.2, 777.0, 777.0, 0.0); (
397020.7, 3870576.2, 777.0, 777.0, 0.0);
( 397070.7, 3870576.2, 777.0, 777.0, 0.0); (
397120.7, 3870576.2, 777.0, 777.0, 0.0);
( 397170.7, 3870576.2, 776.8, 776.8, 0.0); (
397220.7, 3870576.2, 776.7, 776.7, 0.0);
( 397270.7, 3870576.2, 776.6, 776.6, 0.0); (
395270.7, 3870626.2, 785.0, 1275.0, 0.0);
( 395320.7, 3870626.2, 785.0, 1275.0, 0.0); (
395370.7, 3870626.2, 784.3, 1275.0, 0.0);
( 395420.7, 3870626.2, 784.0, 1275.0, 0.0); (
395470.7, 3870626.2, 784.0, 1275.0, 0.0);
( 395520.7, 3870626.2, 783.0, 1275.0, 0.0); (
395570.7, 3870626.2, 783.0, 1275.0, 0.0);
( 395620.7, 3870626.2, 782.3, 1275.0, 0.0); (
395670.7, 3870626.2, 782.0, 1275.0, 0.0);
( 395720.7, 3870626.2, 782.0, 1275.0, 0.0); (
395770.7, 3870626.2, 782.0, 1275.0, 0.0);
( 395820.7, 3870626.2, 781.1, 1275.0, 0.0); (
395870.7, 3870626.2, 781.0, 1275.0, 0.0);
( 395920.7, 3870626.2, 781.0, 1275.0, 0.0); (
395970.7, 3870626.2, 780.1, 1275.0, 0.0);
( 396020.7, 3870626.2, 780.0, 1275.0, 0.0); (
396070.7, 3870626.2, 780.0, 1275.0, 0.0);
( 396120.7, 3870626.2, 780.0, 1275.0, 0.0); (
396170.7, 3870626.2, 780.0, 1275.0, 0.0);
( 396220.7, 3870626.2, 780.0, 1275.0, 0.0); (
396270.7, 3870626.2, 780.0, 1275.0, 0.0);
( 396320.7, 3870626.2, 779.8, 779.8, 0.0); (
396370.7, 3870626.2, 779.3, 779.3, 0.0);
( 396420.7, 3870626.2, 779.0, 779.0, 0.0); (
396470.7, 3870626.2, 779.0, 779.0, 0.0);
( 396520.7, 3870626.2, 779.0, 779.0, 0.0); (
396570.7, 3870626.2, 779.0, 779.0, 0.0);
( 396620.7, 3870626.2, 778.4, 778.4, 0.0); (
396670.7, 3870626.2, 778.3, 778.3, 0.0);
( 396720.7, 3870626.2, 778.0, 778.0, 0.0); (
396770.7, 3870626.2, 778.0, 778.0, 0.0);
( 396820.7, 3870626.2, 778.0, 778.0, 0.0); (
396870.7, 3870626.2, 777.4, 777.4, 0.0);
( 396920.7, 3870626.2, 777.0, 777.0, 0.0); (
396970.7, 3870626.2, 777.0, 777.0, 0.0);
( 397020.7, 3870626.2, 777.0, 777.0, 0.0); (
397070.7, 3870626.2, 777.0, 777.0, 0.0);
( 397120.7, 3870626.2, 777.0, 777.0, 0.0); (
397170.7, 3870626.2, 777.0, 777.0, 0.0);
( 397220.7, 3870626.2, 777.0, 777.0, 0.0); (
397270.7, 3870626.2, 777.0, 777.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

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           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES *** (METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: 723810 - Edwards AFB MetData - CARB\723810.SFC
Met Version: 14134
Profile file: 723810 - Edwards AFB MetData - CARB\723810.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23114 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2009 Year: 2009

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O LEN | Z0 | BOWEN | ALBEDO | REF | WS | WD | HT | REF | TA | HT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 | 01 | 01 | 1 | 01 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.8 | 2.0 | | |
| 09 | 01 | 01 | 1 | 02 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.6 | 2.0 | | |
| 09 | 01 | 01 | 1 | 03 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.5 | 2.0 | | |
| 09 | 01 | 01 | 1 | 04 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.1 | 2.0 | | |
| 09 | 01 | 01 | 1 | 05 | -6.5 | 0.087 | -9.000 | -9.000 | -999. | 62. | 8.5 | 0.18 | 1.43 | 1.00 | 1.76 | 283. | 10.0 | 271.4 | 2.0 | | |
| 09 | 01 | 01 | 1 | 06 | -11.7 | 0.117 | -9.000 | -9.000 | -999. | 96. | 11.5 | 0.18 | 1.43 | 1.00 | 2.36 | 232. | 10.0 | 271.5 | 2.0 | | |
| 09 | 01 | 01 | 1 | 07 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 270.8 | 2.0 | | |
| 09 | 01 | 01 | 1 | 08 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 0.56 | 0.00 | 0. | 10.0 | 271.9 | 2.0 | | |
| 09 | 01 | 01 | 1 | 09 | 22.2 | -9.000 | -9.000 | -9.000 | 55. | -999. | -99999.0 | 0.16 | 1.43 | 0.33 | 0.00 | 0. | 10.0 | 274.5 | 2.0 | | |
| 09 | 01 | 01 | 1 | 10 | 77.9 | 0.283 | 0.668 | 0.009 | 128. | 361. | -24.3 | 0.18 | 1.43 | 0.25 | 2.36 | 201. | 10.0 | 277.6 | 2.0 | | |
| 09 | 01 | 01 | 1 | 11 | 117.0 | -9.000 | -9.000 | -9.000 | 216. | -999. | -99999.0 | 0.16 | 1.43 | 0.22 | 0.00 | 0. | 10.0 | 280.1 | 2.0 | | |
| 09 | 01 | 01 | 1 | 12 | 136.4 | 0.247 | 1.087 | 0.009 | 315. | 295. | -9.3 | 0.20 | 1.43 | 0.22 | 1.76 | 86. | 10.0 | 282.1 | 2.0 | | |
| 09 | 01 | 01 | 1 | 13 | 135.3 | 0.235 | 1.200 | 0.008 | 427. | 274. | -8.0 | 0.16 | 1.43 | 0.22 | 1.76 | 999. | 10.0 | 284.2 | 2.0 | | |

```
 09 01 01   1 14  113.6 -9.000 -9.000 -9.000  526. -999. -99999.0  0.16
1.43   0.23    0.00    0.   10.0  285.5    2.0
 09 01 01   1 15   72.4 -9.000 -9.000 -9.000  617. -999. -99999.0  0.16
1.43   0.26    0.00    0.   10.0  286.8    2.0
 09 01 01   1 16   15.5 -9.000 -9.000 -9.000  633. -999. -99999.0  0.16
1.43   0.35    0.00    0.   10.0  287.1    2.0
 09 01 01   1 17    5.3 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   0.64    0.00    0.   10.0  284.1    2.0
 09 01 01   1 18   -4.9  0.077 -9.000 -9.000 -999.   51.      7.7  0.20
1.43   1.00    1.50   97.   10.0  281.1    2.0
 09 01 01   1 19   -4.7  0.074 -9.000 -9.000 -999.   48.      7.3  0.17
1.43   1.00    1.50  174.   10.0  279.1    2.0
 09 01 01   1 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   1.00    0.00    0.   10.0  277.1    2.0
 09 01 01   1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   1.00    0.00    0.   10.0  275.1    2.0
 09 01 01   1 22  -16.9  0.158 -9.000 -9.000 -999.  151.     19.5  0.18
1.43   1.00    2.60  222.   10.0  276.1    2.0
 09 01 01   1 23  -16.8  0.156 -9.000 -9.000 -999.  148.     18.8  0.18
1.43   1.00    2.60  210.   10.0  274.1    2.0
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   1.00    0.00    0.   10.0  274.1    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1 -999.  -99.00   272.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) 394711.79 | 394861.79 | 395011.79 | 395161.79 | 395311.79 | 395461.79 | 395611.79 | 395761.79 | 395911.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 0.00359 | 0.00411 | 0.00476 | 0.00541 | 0.00625 | 0.00757 | 0.00931 | 0.01094 | 0.01285 |
| 3870861.46 | 0.00384 | 0.00428 | 0.00496 | 0.00579 | 0.00677 | 0.00823 | 0.01029 | 0.01259 | 0.01509 |
| 3870711.46 | 0.00437 | 0.00475 | 0.00536 | 0.00624 | 0.00735 | 0.00898 | 0.01155 | 0.01466 | 0.01886 |
| 3870561.46 | 0.00433 | 0.00494 | 0.00568 | 0.00702 | 0.00822 | 0.01010 | 0.01310 | 0.01730 | 0.02317 |
| 3870411.46 | 0.00472 | 0.00551 | 0.00592 | 0.00813 | 0.00956 | 0.01180 | 0.01531 | 0.02156 | 0.02979 |
| 3870261.46 | 0.00639 | 0.00711 | 0.00815 | 0.00960 | 0.01147 | 0.01411 | 0.01925 | 0.02761 | 0.04154 |
| 3870111.46 | 0.00714 | 0.00800 | 0.00920 | 0.01099 | 0.01355 | 0.01734 | 0.02423 | 0.03767 | 0.06908 |
| 3869961.46 | 0.00797 | 0.00923 | 0.01079 | 0.01300 | 0.01642 | 0.02225 | 0.03280 | 0.06037 | 0.27793 |
| 3869811.46 | 0.00869 | 0.01034 | 0.01253 | 0.01557 | 0.02054 | 0.02918 | 0.04814 | 0.11612 | 0.72454 |
| 3869661.46 | 0.00931 | 0.01131 | 0.01407 | 0.01825 | 0.02535 | 0.03822 | 0.06728 | 0.16012 | 0.81221 |
| 3869511.46 | 0.01018 | 0.01236 | 0.01573 | 0.02181 | 0.03130 | 0.04836 | 0.08410 | 0.18804 | 0.85225 |
| 3869361.46 | 0.01145 | 0.01418 | 0.01849 | 0.02606 | 0.03740 | 0.05698 | 0.09642 | 0.20378 | 0.86675 |
| 3869211.46 | 0.01303 | 0.01674 | 0.02223 | 0.03063 | 0.04264 | 0.06334 | 0.10358 | 0.20844 | 0.86183 |
| 3869061.46 | 0.01507 | 0.01948 | 0.02549 | 0.03404 | 0.04646 | 0.06689 | 0.10422 | 0.19570 | 0.65164 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3868911.46 | \| | 0.01727 | 0.02175 | 0.02745 | 0.03591 | 0.04797 | 0.06650 | 0.09629 | 0.14743 | 0.22523 |
| 3868761.46 | \| | 0.01912 | 0.02331 | 0.02879 | 0.03686 | 0.04753 | 0.06222 | 0.08199 | 0.10828 | 0.14007 |
| 3868611.46 | \| | 0.02036 | 0.02428 | 0.02968 | 0.03629 | 0.04477 | 0.05558 | 0.06864 | 0.08274 | 0.09912 |
| 3868461.46 | \| | 0.02087 | 0.02426 | 0.02888 | 0.03418 | 0.04089 | 0.04898 | 0.05715 | 0.06616 | 0.07570 |
| 3868311.46 | \| | 0.02044 | 0.02317 | 0.02717 | 0.03160 | 0.03713 | 0.04302 | 0.04821 | 0.05472 | 0.06101 |
| 3868161.46 | \| | 0.01920 | 0.02134 | 0.02518 | 0.02924 | 0.03369 | 0.03792 | 0.04167 | 0.04629 | 0.05037 |
| 3868011.46 | \| | 0.01751 | 0.01972 | 0.02366 | 0.02723 | 0.03075 | 0.03373 | 0.03660 | 0.03991 | 0.04260 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) 396061.79 | 396211.79 | 396361.79 | 396511.79 | 396661.79 | 396811.79 | 396961.79 | 397111.79 | 397261.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 0.01619 | 0.01977 | 0.02346 | 0.02671 | 0.03081 | 0.03497 | 0.03806 | 0.03965 | 0.04032 |
| 3870861.46 | 0.01936 | 0.02450 | 0.02905 | 0.03406 | 0.03945 | 0.04455 | 0.04747 | 0.04856 | 0.04812 |
| 3870711.46 | 0.02429 | 0.03079 | 0.03772 | 0.04516 | 0.05217 | 0.05781 | 0.06018 | 0.05992 | 0.05752 |
| 3870561.46 | 0.03118 | 0.04083 | 0.05177 | 0.06267 | 0.07121 | 0.07696 | 0.07771 | 0.07480 | 0.06856 |
| 3870411.46 | 0.04261 | 0.05879 | 0.07608 | 0.09106 | 0.10107 | 0.10544 | 0.10241 | 0.09352 | 0.08085 |
| 3870261.46 | 0.06523 | 0.09482 | 0.12146 | 0.14108 | 0.15178 | 0.15155 | 0.13787 | 0.11560 | 0.09372 |
| 3870111.46 | 0.12890 | 0.18302 | 0.22097 | 0.24502 | 0.25285 | 0.23520 | 0.18617 | 0.13952 | 0.10577 |
| 3869961.46 | 0.48010 | 0.57500 | 0.62985 | 0.64284 | 0.62439 | 0.42529 | 0.23818 | 0.16054 | 0.11498 |
| 3869811.46 | 1.00334 | 1.11129 | 1.13157 | 1.10919 | 1.06061 | 0.52487 | 0.26421 | 0.16937 | 0.11748 |
| 3869661.46 | 1.11038 | 1.22313 | 1.19947 | 1.19661 | 1.10097 | 0.54097 | 0.26323 | 0.16386 | 0.11307 |
| 3869511.46 | 1.16383 | 1.22365 | 1.22876 | 1.20383 | 1.11284 | 0.53043 | 0.24926 | 0.15059 | 0.10261 |
| 3869361.46 | 1.13873 | 1.18444 | 1.21420 | 1.17438 | 1.06338 | 0.49386 | 0.22221 | 0.13077 | 0.08848 |
| 3869211.46 | 1.08338 | 1.11799 | 1.11211 | 1.07007 | 0.96049 | 0.41683 | 0.17627 | 0.10626 | 0.07391 |
| 3869061.46 | 0.72767 | 0.74442 | 0.73215 | 0.69859 | 0.61889 | 0.23707 | 0.12359 | 0.08332 | 0.06095 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3868911.46 | \| | 0.26413 | 0.27763 | 0.27134 | 0.25439 | 0.21018 | 0.13832 | 0.09238 | 0.06779 | 0.05145 |
| 3868761.46 | \| | 0.14085 | 0.14491 | 0.16755 | 0.15555 | 0.13388 | 0.10337 | 0.07861 | 0.05928 | 0.04592 |
| 3868611.46 | \| | 0.11213 | 0.10956 | 0.11938 | 0.11146 | 0.09883 | 0.08229 | 0.06759 | 0.05489 | 0.04327 |
| 3868461.46 | \| | 0.08247 | 0.08652 | 0.08717 | 0.08352 | 0.07722 | 0.06789 | 0.05849 | 0.04965 | 0.04171 |
| 3868311.46 | \| | 0.06438 | 0.06705 | 0.06697 | 0.06533 | 0.06150 | 0.05609 | 0.05075 | 0.04482 | 0.03945 |
| 3868161.46 | \| | 0.05251 | 0.05399 | 0.05471 | 0.05342 | 0.05016 | 0.04655 | 0.04386 | 0.04026 | 0.03640 |
| 3868011.46 | \| | 0.04391 | 0.04513 | 0.04627 | 0.04514 | 0.04243 | 0.03939 | 0.03787 | 0.03548 | 0.03299 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | 397411.79 | 397561.79 | 397711.79 |
|---|---|---|---|---|
| 3871011.46 | | 0.03970 | 0.03750 | 0.03419 |
| 3870861.46 | | 0.04586 | 0.04190 | 0.03732 |
| 3870711.46 | | 0.05271 | 0.04669 | 0.04068 |
| 3870561.46 | | 0.06021 | 0.05168 | 0.04408 |
| 3870411.46 | | 0.06792 | 0.05652 | 0.04715 |
| 3870261.46 | | 0.07523 | 0.06077 | 0.04980 |
| 3870111.46 | | 0.08156 | 0.06439 | 0.05200 |
| 3869961.46 | | 0.08607 | 0.06678 | 0.05331 |
| 3869811.46 | | 0.08638 | 0.06636 | 0.05266 |
| 3869661.46 | | 0.08262 | 0.06336 | 0.05022 |
| 3869511.46 | | 0.07568 | 0.05837 | 0.04680 |
| 3869361.46 | | 0.06575 | 0.05178 | 0.04225 |
| 3869211.46 | | 0.05534 | 0.04414 | 0.03661 |
| 3869061.46 | | 0.04595 | 0.03669 | 0.03075 |
| 3868911.46 | | 0.03980 | 0.03159 | 0.02612 |
| 3868761.46 | | 0.03599 | 0.02848 | 0.02326 |
| 3868611.46 | | 0.03416 | 0.02689 | 0.02159 |
| 3868461.46 | | 0.03382 | 0.02695 | 0.02140 |
| 3868311.46 | | 0.03368 | 0.02773 | 0.02227 |
| 3868161.46 | | 0.03264 | 0.02829 | 0.02345 |
| 3868011.46 | | 0.03078 | 0.02802 | 0.02431 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395270.74 | 3868626.18 | 0.04258 | 395320.74 | 3868626.18 | 0.04571 |
| 395370.74 | 3868626.18 | 0.04921 | 395420.74 | 3868626.18 | 0.05290 |
| 395470.74 | 3868626.18 | 0.05705 | 395520.74 | 3868626.18 | 0.06133 |
| 395570.74 | 3868626.18 | 0.06599 | 395620.74 | 3868626.18 | 0.07074 |
| 395670.74 | 3868626.18 | 0.07535 | 395720.74 | 3868626.18 | 0.08047 |
| 395770.74 | 3868626.18 | 0.08557 | 395820.74 | 3868626.18 | 0.09160 |
| 395270.74 | 3868676.18 | 0.04339 | 395320.74 | 3868676.18 | 0.04687 |
| 395370.74 | 3868676.18 | 0.05069 | 395420.74 | 3868676.18 | 0.05485 |
| 395470.74 | 3868676.18 | 0.05927 | 395520.74 | 3868676.18 | 0.06428 |
| 395570.74 | 3868676.18 | 0.06957 | 395620.74 | 3868676.18 | 0.07525 |
| 395670.74 | 3868676.18 | 0.08096 | 395720.74 | 3868676.18 | 0.08692 |
| 395770.74 | 3868676.18 | 0.09306 | 395820.74 | 3868676.18 | 0.10060 |
| 395270.74 | 3868726.18 | 0.04393 | 395320.74 | 3868726.18 | 0.04780 |
| 395370.74 | 3868726.18 | 0.05194 | 395420.74 | 3868726.18 | 0.05667 |
| 395470.74 | 3868726.18 | 0.06163 | 395520.74 | 3868726.18 | 0.06723 |
| 395570.74 | 3868726.18 | 0.07329 | 395620.74 | 3868726.18 | 0.08002 |

395670.74 3868726.18 0.08713
395720.74 3868726.18 0.09455
395770.74 3868726.18 0.10242
395820.74 3868726.18 0.11142
395270.74 3868776.18 0.04424
395320.74 3868776.18 0.04845
395370.74 3868776.18 0.05299
395420.74 3868776.18 0.05811
395470.74 3868776.18 0.06385
395520.74 3868776.18 0.07009
395570.74 3868776.18 0.07718
395620.74 3868776.18 0.08486
395670.74 3868776.18 0.09361
395720.74 3868776.18 0.10299
395770.74 3868776.18 0.11325
395820.74 3868776.18 0.12440
395270.74 3868826.18 0.04435
395320.74 3868826.18 0.04883
395370.74 3868826.18 0.05372
395420.74 3868826.18 0.05930
395470.74 3868826.18 0.06574
395520.74 3868826.18 0.07278
395570.74 3868826.18 0.08104
395620.74 3868826.18 0.09006
395670.74 3868826.18 0.10053
395720.74 3868826.18 0.11225
395770.74 3868826.18 0.12531
395820.74 3868826.18 0.13996
395270.74 3868876.18 0.04427
395320.74 3868876.18 0.04896
395370.74 3868876.18 0.05414
395420.74 3868876.18 0.06009
395470.74 3868876.18 0.06720
395520.74 3868876.18 0.07510
395570.74 3868876.18 0.08437
395620.74 3868876.18 0.09523
395670.74 3868876.18 0.10765
395720.74 3868876.18 0.12248
395770.74 3868876.18 0.13968
395820.74 3868876.18 0.15934
395270.74 3868926.18 0.04401
395320.74 3868926.18 0.04885
395370.74 3868926.18 0.05428
395420.74 3868926.18 0.06059
395470.74 3868926.18 0.06822
395520.74 3868926.18 0.07689
395570.74 3868926.18 0.08720
395620.74 3868926.18 0.09992

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395670.74 | 3868926.18 | 0.11496 | 395720.74 | 3868926.18 | 0.13345 |
| 395770.74 | 3868926.18 | 0.15671 | 395820.74 | 3868926.18 | 0.18502 |
| 395270.74 | 3868976.18 | 0.04357 | 395320.74 | 3868976.18 | 0.04854 |
| 395370.74 | 3868976.18 | 0.05415 | 395420.74 | 3868976.18 | 0.06075 |
| 395470.74 | 3868976.18 | 0.06882 | 395520.74 | 3868976.18 | 0.07815 |
| 395570.74 | 3868976.18 | 0.08940 | 395620.74 | 3868976.18 | 0.10328 |
| 395670.74 | 3868976.18 | 0.12145 | 395720.74 | 3868976.18 | 0.14465 |
| 395770.74 | 3868976.18 | 0.17635 | 395820.74 | 3868976.18 | 0.22131 |
| 395270.74 | 3869026.18 | 0.04294 | 395320.74 | 3869026.18 | 0.04799 |
| 395370.74 | 3869026.18 | 0.05374 | 395420.74 | 3869026.18 | 0.06056 |
| 395470.74 | 3869026.18 | 0.06897 | 395520.74 | 3869026.18 | 0.07884 |
| 395570.74 | 3869026.18 | 0.09092 | 395620.74 | 3869026.18 | 0.10608 |
| 395670.74 | 3869026.18 | 0.12633 | 395720.74 | 3869026.18 | 0.15408 |
| 395770.74 | 3869026.18 | 0.19592 | 395820.74 | 3869026.18 | 0.27328 |
| 395270.74 | 3869076.18 | 0.04211 | 395320.74 | 3869076.18 | 0.04719 |
| 395370.74 | 3869076.18 | 0.05302 | 395420.74 | 3869076.18 | 0.05997 |

| | | |
|---|---|---|
| 395470.74 | 3869076.18 | 0.06836 |
| 395520.74 | 3869076.18 | 0.07890 |
| 395570.74 | 3869076.18 | 0.09159 |
| 395620.74 | 3869076.18 | 0.10773 |
| 395670.74 | 3869076.18 | 0.12913 |
| 395720.74 | 3869076.18 | 0.16050 |
| 395770.74 | 3869076.18 | 0.20939 |
| 395820.74 | 3869076.18 | 0.31203 |
| 395270.74 | 3869126.18 | 0.04106 |
| 395320.74 | 3869126.18 | 0.04612 |
| 395370.74 | 3869126.18 | 0.05196 |
| 395420.74 | 3869126.18 | 0.05898 |
| 395470.74 | 3869126.18 | 0.06750 |
| 395520.74 | 3869126.18 | 0.07830 |
| 395570.74 | 3869126.18 | 0.09142 |
| 395620.74 | 3869126.18 | 0.10823 |
| 395670.74 | 3869126.18 | 0.13072 |
| 395720.74 | 3869126.18 | 0.16379 |
| 395770.74 | 3869126.18 | 0.21644 |
| 395820.74 | 3869126.18 | 0.32740 |
| 395270.74 | 3869176.18 | 0.03980 |
| 395320.74 | 3869176.18 | 0.04480 |
| 395370.74 | 3869176.18 | 0.05060 |
| 395420.74 | 3869176.18 | 0.05760 |
| 395470.74 | 3869176.18 | 0.06616 |
| 395520.74 | 3869176.18 | 0.07702 |
| 395570.74 | 3869176.18 | 0.09053 |
| 395620.74 | 3869176.18 | 0.10783 |
| 395670.74 | 3869176.18 | 0.13104 |
| 395720.74 | 3869176.18 | 0.16475 |
| 395770.74 | 3869176.18 | 0.21982 |
| 395820.74 | 3869176.18 | 0.33269 |
| 395270.74 | 3869226.18 | 0.03833 |
| 395320.74 | 3869226.18 | 0.04308 |
| 395370.74 | 3869226.18 | 0.04894 |
| 395420.74 | 3869226.18 | 0.05593 |
| 395470.74 | 3869226.18 | 0.06449 |
| 395520.74 | 3869226.18 | 0.07541 |
| 395570.74 | 3869226.18 | 0.08909 |
| 395620.74 | 3869226.18 | 0.10665 |
| 395670.74 | 3869226.18 | 0.13026 |
| 395720.74 | 3869226.18 | 0.16466 |
| 395770.74 | 3869226.18 | 0.22097 |
| 395820.74 | 3869226.18 | 0.33619 |
| 395270.74 | 3869276.18 | 0.03672 |
| 395320.74 | 3869276.18 | 0.04139 |
| 395370.74 | 3869276.18 | 0.04709 |
| 395420.74 | 3869276.18 | 0.05406 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395470.74 | 3869276.18 | 0.06253 | 395520.74 | 3869276.18 | 0.07313 |
| 395570.74 | 3869276.18 | 0.08709 | 395620.74 | 3869276.18 | 0.10472 |
| 395670.74 | 3869276.18 | 0.12855 | 395720.74 | 3869276.18 | 0.16368 |
| 395770.74 | 3869276.18 | 0.22047 | 395820.74 | 3869276.18 | 0.33683 |
| 395270.74 | 3869326.18 | 0.03501 | 395320.74 | 3869326.18 | 0.03960 |
| 395370.74 | 3869326.18 | 0.04509 | 395420.74 | 3869326.18 | 0.05200 |
| 395470.74 | 3869326.18 | 0.06031 | 395520.74 | 3869326.18 | 0.07073 |
| 395570.74 | 3869326.18 | 0.08454 | 395620.74 | 3869326.18 | 0.10213 |
| 395670.74 | 3869326.18 | 0.12605 | 395720.74 | 3869326.18 | 0.16192 |
| 395770.74 | 3869326.18 | 0.21860 | 395820.74 | 3869326.18 | 0.33557 |
| 395270.74 | 3869376.18 | 0.03322 | 395320.74 | 3869376.18 | 0.03770 |
| 395370.74 | 3869376.18 | 0.04304 | 395420.74 | 3869376.18 | 0.04961 |
| 395470.74 | 3869376.18 | 0.05780 | 395520.74 | 3869376.18 | 0.06795 |
| 395570.74 | 3869376.18 | 0.08131 | 395620.74 | 3869376.18 | 0.09895 |
| 395670.74 | 3869376.18 | 0.12281 | 395720.74 | 3869376.18 | 0.15813 |
| 395770.74 | 3869376.18 | 0.21549 | 395820.74 | 3869376.18 | 0.33274 |

| | | | | | |
|---|---|---|---|---|---|
| 395270.74 | 3869426.18 | 0.03136 | 395320.74 | 3869426.18 | 0.03569 |
| 395370.74 | 3869426.18 | 0.04084 | 395420.74 | 3869426.18 | 0.04712 |
| 395470.74 | 3869426.18 | 0.05504 | 395520.74 | 3869426.18 | 0.06486 |
| 395570.74 | 3869426.18 | 0.07779 | 395620.74 | 3869426.18 | 0.09521 |
| 395670.74 | 3869426.18 | 0.11882 | 395720.74 | 3869426.18 | 0.15372 |
| 395770.74 | 3869426.18 | 0.21123 | 395820.74 | 3869426.18 | 0.32840 |
| 395270.74 | 3869476.18 | 0.02951 | 395320.74 | 3869476.18 | 0.03358 |
| 395370.74 | 3869476.18 | 0.03847 | 395420.74 | 3869476.18 | 0.04442 |
| 395470.74 | 3869476.18 | 0.05207 | 395520.74 | 3869476.18 | 0.06149 |
| 395570.74 | 3869476.18 | 0.07380 | 395620.74 | 3869476.18 | 0.09092 |
| 395670.74 | 3869476.18 | 0.11409 | 395720.74 | 3869476.18 | 0.14860 |
| 395770.74 | 3869476.18 | 0.20579 | 395820.74 | 3869476.18 | 0.32256 |
| 395270.74 | 3869526.18 | 0.02765 | 395320.74 | 3869526.18 | 0.03141 |
| 395370.74 | 3869526.18 | 0.03599 | 395420.74 | 3869526.18 | 0.04161 |
| 395470.74 | 3869526.18 | 0.04888 | 395520.74 | 3869526.18 | 0.05787 |
| 395570.74 | 3869526.18 | 0.06963 | 395620.74 | 3869526.18 | 0.08608 |
| 395670.74 | 3869526.18 | 0.10861 | 395720.74 | 3869526.18 | 0.14207 |
| 395770.74 | 3869526.18 | 0.19910 | 395820.74 | 3869526.18 | 0.31521 |
| 395270.74 | 3869576.18 | 0.02579 | 395320.74 | 3869576.18 | 0.02928 |
| 395370.74 | 3869576.18 | 0.03347 | 395420.74 | 3869576.18 | 0.03869 |
| 395470.74 | 3869576.18 | 0.04552 | 395520.74 | 3869576.18 | 0.05400 |
| 395570.74 | 3869576.18 | 0.06511 | 395620.74 | 3869576.18 | 0.08022 |
| 395670.74 | 3869576.18 | 0.10238 | 395720.74 | 3869576.18 | 0.13497 |
| 395770.74 | 3869576.18 | 0.18917 | 395820.74 | 3869576.18 | 0.30608 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395270.74 | 3869626.18 | 0.02411 | 395320.74 | 3869626.18 | 0.02725 |
| 395370.74 | 3869626.18 | 0.03102 | 395420.74 | 3869626.18 | 0.03576 |
| 395470.74 | 3869626.18 | 0.04180 | 395520.74 | 3869626.18 | 0.04988 |
| 395570.74 | 3869626.18 | 0.06025 | 395620.74 | 3869626.18 | 0.07440 |
| 395670.74 | 3869626.18 | 0.09520 | 395720.74 | 3869626.18 | 0.12676 |
| 395770.74 | 3869626.18 | 0.17960 | 395820.74 | 3869626.18 | 0.29369 |
| 395270.74 | 3869676.18 | 0.02261 | 395320.74 | 3869676.18 | 0.02538 |
| 395370.74 | 3869676.18 | 0.02872 | 395420.74 | 3869676.18 | 0.03293 |
| 395470.74 | 3869676.18 | 0.03832 | 395520.74 | 3869676.18 | 0.04561 |
| 395570.74 | 3869676.18 | 0.05508 | 395620.74 | 3869676.18 | 0.06814 |
| 395670.74 | 3869676.18 | 0.08719 | 395720.74 | 3869676.18 | 0.11737 |
| 395770.74 | 3869676.18 | 0.16836 | 395820.74 | 3869676.18 | 0.27806 |
| 395270.74 | 3869726.18 | 0.02127 | 395320.74 | 3869726.18 | 0.02367 |
| 395370.74 | 3869726.18 | 0.02661 | 395420.74 | 3869726.18 | 0.03029 |
| 395470.74 | 3869726.18 | 0.03499 | 395520.74 | 3869726.18 | 0.04130 |
| 395570.74 | 3869726.18 | 0.04975 | 395620.74 | 3869726.18 | 0.06149 |

395670.74 3869726.18 0.07871
395720.74 3869726.18 0.10653
395770.74 3869726.18 0.15503
395820.74 3869726.18 0.26073
395270.74 3869776.18 0.01990
395320.74 3869776.18 0.02198
395370.74 3869776.18 0.02467
395420.74 3869776.18 0.02787
395470.74 3869776.18 0.03191
395520.74 3869776.18 0.03717
395570.74 3869776.18 0.04454
395620.74 3869776.18 0.05466
395670.74 3869776.18 0.06976
395720.74 3869776.18 0.09428
395770.74 3869776.18 0.13916
395820.74 3869776.18 0.24002
395270.74 3869826.18 0.01861
395320.74 3869826.18 0.02048
395370.74 3869826.18 0.02283
395420.74 3869826.18 0.02563
395470.74 3869826.18 0.02909
395520.74 3869826.18 0.03355
395570.74 3869826.18 0.03962
395620.74 3869826.18 0.04811
395670.74 3869826.18 0.06061
395720.74 3869826.18 0.08100
395770.74 3869826.18 0.11937
395820.74 3869826.18 0.21277
395270.74 3869876.18 0.01741
395320.74 3869876.18 0.01907
395370.74 3869876.18 0.02105
395420.74 3869876.18 0.02348
395470.74 3869876.18 0.02651
395520.74 3869876.18 0.03027
395570.74 3869876.18 0.03518
395620.74 3869876.18 0.04209
395670.74 3869876.18 0.05205
395720.74 3869876.18 0.06777
395770.74 3869876.18 0.09715
395820.74 3869876.18 0.17324
395270.74 3869926.18 0.01608
395320.74 3869926.18 0.01776
395370.74 3869926.18 0.01948
395420.74 3869926.18 0.02155
395470.74 3869926.18 0.02419
395520.74 3869926.18 0.02735
395570.74 3869926.18 0.03140
395620.74 3869926.18 0.03679

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395670.74 | 3869926.18 | 0.04454 | 395720.74 | 3869926.18 | 0.05604 |
| 395770.74 | 3869926.18 | 0.07541 | 395820.74 | 3869926.18 | 0.11957 |
| 395270.74 | 3869976.18 | 0.01499 | 395320.74 | 3869976.18 | 0.01629 |
| 395370.74 | 3869976.18 | 0.01809 | 395420.74 | 3869976.18 | 0.01988 |
| 395470.74 | 3869976.18 | 0.02216 | 395520.74 | 3869976.18 | 0.02485 |
| 395570.74 | 3869976.18 | 0.02822 | 395620.74 | 3869976.18 | 0.03260 |
| 395670.74 | 3869976.18 | 0.03845 | 395720.74 | 3869976.18 | 0.04688 |
| 395770.74 | 3869976.18 | 0.05954 | 395820.74 | 3869976.18 | 0.08113 |
| 395870.74 | 3869976.18 | 0.13111 | 395920.74 | 3869976.18 | 0.22795 |
| 395970.74 | 3869976.18 | 0.30651 | 396020.74 | 3869976.18 | 0.36009 |
| 396070.74 | 3869976.18 | 0.40036 | 396120.74 | 3869976.18 | 0.43672 |
| 396170.74 | 3869976.18 | 0.46375 | 396220.74 | 3869976.18 | 0.48508 |
| 396270.74 | 3869976.18 | 0.50636 | 396320.74 | 3869976.18 | 0.52130 |
| 396370.74 | 3869976.18 | 0.53356 | 396420.74 | 3869976.18 | 0.54353 |
| 396470.74 | 3869976.18 | 0.55061 | 396520.74 | 3869976.18 | 0.55059 |
| 396570.74 | 3869976.18 | 0.55313 | 396620.74 | 3869976.18 | 0.54819 |

| | | |
|---|---|---|
| 396668.32 | 3869988.26 | 0.48509 |
| 396718.32 | 3869988.26 | 0.47214 |
| 396768.32 | 3869988.26 | 0.44260 |
| 396818.32 | 3869988.26 | 0.37309 |
| 396868.32 | 3869993.09 | 0.30453 |
| 396918.32 | 3869993.09 | 0.25909 |
| 396968.32 | 3869993.09 | 0.22416 |
| 397018.32 | 3869993.09 | 0.19644 |
| 397068.32 | 3869993.09 | 0.17353 |
| 397118.32 | 3869993.09 | 0.15446 |
| 397168.32 | 3869993.09 | 0.13824 |
| 397218.32 | 3869993.09 | 0.12403 |
| 397268.32 | 3869993.09 | 0.11201 |
| 395270.74 | 3870026.18 | 0.01407 |
| 395320.74 | 3870026.18 | 0.01518 |
| 395370.74 | 3870026.18 | 0.01653 |
| 395420.74 | 3870026.18 | 0.01846 |
| 395470.74 | 3870026.18 | 0.02036 |
| 395520.74 | 3870026.18 | 0.02277 |
| 395570.74 | 3870026.18 | 0.02565 |
| 395620.74 | 3870026.18 | 0.02928 |
| 395670.74 | 3870026.18 | 0.03399 |
| 395720.74 | 3870026.18 | 0.04030 |
| 395770.74 | 3870026.18 | 0.04950 |
| 395820.74 | 3870026.18 | 0.06342 |
| 395870.74 | 3870026.18 | 0.08607 |
| 395920.74 | 3870026.18 | 0.12290 |
| 395970.74 | 3870026.18 | 0.16797 |
| 396020.74 | 3870026.18 | 0.20739 |
| 396070.74 | 3870026.18 | 0.24016 |
| 396120.74 | 3870026.18 | 0.26742 |
| 396170.74 | 3870026.18 | 0.29278 |
| 396220.74 | 3870026.18 | 0.31212 |
| 396270.74 | 3870026.18 | 0.32857 |
| 396320.74 | 3870026.18 | 0.34396 |
| 396370.74 | 3870026.18 | 0.35567 |
| 396420.74 | 3870026.18 | 0.36533 |
| 396470.74 | 3870026.18 | 0.37309 |
| 396520.74 | 3870026.18 | 0.37872 |
| 396570.74 | 3870026.18 | 0.38007 |
| 396620.74 | 3870026.18 | 0.38065 |
| 396670.74 | 3870026.18 | 0.37627 |
| 396720.74 | 3870026.18 | 0.36950 |
| 396770.74 | 3870026.18 | 0.35107 |
| 396820.74 | 3870026.18 | 0.31765 |
| 396870.74 | 3870026.18 | 0.27704 |
| 396920.74 | 3870026.18 | 0.24138 |
| 396970.74 | 3870026.18 | 0.21194 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397020.74 | 3870026.18 | 0.18795 | 397070.74 | 3870026.18 | 0.16702 |
| 397120.74 | 3870026.18 | 0.14940 | 397170.74 | 3870026.18 | 0.13433 |
| 397220.74 | 3870026.18 | 0.12103 | 397270.74 | 3870026.18 | 0.10964 |
| 395270.74 | 3870076.18 | 0.01327 | 395320.74 | 3870076.18 | 0.01428 |
| 395370.74 | 3870076.18 | 0.01544 | 395420.74 | 3870076.18 | 0.01684 |
| 395470.74 | 3870076.18 | 0.01894 | 395520.74 | 3870076.18 | 0.02094 |
| 395570.74 | 3870076.18 | 0.02338 | 395620.74 | 3870076.18 | 0.02656 |
| 395670.74 | 3870076.18 | 0.03046 | 395720.74 | 3870076.18 | 0.03559 |
| 395770.74 | 3870076.18 | 0.04253 | 395820.74 | 3870076.18 | 0.05249 |
| 395870.74 | 3870076.18 | 0.06643 | 395920.74 | 3870076.18 | 0.08620 |
| 395970.74 | 3870076.18 | 0.11147 | 396020.74 | 3870076.18 | 0.13967 |
| 396070.74 | 3870076.18 | 0.16497 | 396120.74 | 3870076.18 | 0.18747 |
| 396170.74 | 3870076.18 | 0.20777 | 396220.74 | 3870076.18 | 0.22600 |
| 396270.74 | 3870076.18 | 0.24094 | 396320.74 | 3870076.18 | 0.25387 |
| 396370.74 | 3870076.18 | 0.26588 | 396420.74 | 3870076.18 | 0.27522 |
| 396470.74 | 3870076.18 | 0.28286 | 396520.74 | 3870076.18 | 0.28876 |

| | | |
|---|---|---|
| 396570.74 | 3870076.18 | 0.29280 |
| 396620.74 | 3870076.18 | 0.29466 |
| 396670.74 | 3870076.18 | 0.29374 |
| 396720.74 | 3870076.18 | 0.28800 |
| 396770.74 | 3870076.18 | 0.27882 |
| 396820.74 | 3870076.18 | 0.26289 |
| 396870.74 | 3870076.18 | 0.24110 |
| 396920.74 | 3870076.18 | 0.21755 |
| 396970.74 | 3870076.18 | 0.19536 |
| 397020.74 | 3870076.18 | 0.17552 |
| 397070.74 | 3870076.18 | 0.15793 |
| 397120.74 | 3870076.18 | 0.14241 |
| 397170.74 | 3870076.18 | 0.12897 |
| 397220.74 | 3870076.18 | 0.11698 |
| 397270.74 | 3870076.18 | 0.10649 |
| 395270.74 | 3870126.18 | 0.01252 |
| 395320.74 | 3870126.18 | 0.01354 |
| 395370.74 | 3870126.18 | 0.01458 |
| 395420.74 | 3870126.18 | 0.01577 |
| 395470.74 | 3870126.18 | 0.01723 |
| 395520.74 | 3870126.18 | 0.01942 |
| 395570.74 | 3870126.18 | 0.02153 |
| 395620.74 | 3870126.18 | 0.02414 |
| 395670.74 | 3870126.18 | 0.02752 |
| 395720.74 | 3870126.18 | 0.03194 |
| 395770.74 | 3870126.18 | 0.03750 |
| 395820.74 | 3870126.18 | 0.04480 |
| 395870.74 | 3870126.18 | 0.05448 |
| 395920.74 | 3870126.18 | 0.06741 |
| 395970.74 | 3870126.18 | 0.08358 |
| 396020.74 | 3870126.18 | 0.10239 |
| 396070.74 | 3870126.18 | 0.12199 |
| 396120.74 | 3870126.18 | 0.14006 |
| 396170.74 | 3870126.18 | 0.15663 |
| 396220.74 | 3870126.18 | 0.17198 |
| 396270.74 | 3870126.18 | 0.18613 |
| 396320.74 | 3870126.18 | 0.19794 |
| 396370.74 | 3870126.18 | 0.20829 |
| 396420.74 | 3870126.18 | 0.21783 |
| 396470.74 | 3870126.18 | 0.22528 |
| 396520.74 | 3870126.18 | 0.23121 |
| 396570.74 | 3870126.18 | 0.23551 |
| 396620.74 | 3870126.18 | 0.23801 |
| 396670.74 | 3870126.18 | 0.23847 |
| 396720.74 | 3870126.18 | 0.23644 |
| 396770.74 | 3870126.18 | 0.23140 |
| 396820.74 | 3870126.18 | 0.22243 |
| 396870.74 | 3870126.18 | 0.20926 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396920.74 | 3870126.18 | 0.19401 | 396970.74 | 3870126.18 | 0.17801 |
| 397020.74 | 3870126.18 | 0.16258 | 397070.74 | 3870126.18 | 0.14817 |
| 397120.74 | 3870126.18 | 0.13496 | 397170.74 | 3870126.18 | 0.12321 |
| 397220.74 | 3870126.18 | 0.11257 | 397270.74 | 3870126.18 | 0.10302 |
| 395270.74 | 3870176.18 | 0.01194 | 395320.74 | 3870176.18 | 0.01275 |
| 395370.74 | 3870176.18 | 0.01377 | 395420.74 | 3870176.18 | 0.01481 |
| 395470.74 | 3870176.18 | 0.01602 | 395520.74 | 3870176.18 | 0.01760 |
| 395570.74 | 3870176.18 | 0.01993 | 395620.74 | 3870176.18 | 0.02226 |
| 395670.74 | 3870176.18 | 0.02516 | 395720.74 | 3870176.18 | 0.02890 |
| 395770.74 | 3870176.18 | 0.03352 | 395820.74 | 3870176.18 | 0.03924 |
| 395870.74 | 3870176.18 | 0.04633 | 395920.74 | 3870176.18 | 0.05564 |
| 395970.74 | 3870176.18 | 0.06691 | 396020.74 | 3870176.18 | 0.07999 |
| 396070.74 | 3870176.18 | 0.09493 | 396120.74 | 3870176.18 | 0.10926 |
| 396170.74 | 3870176.18 | 0.12300 | 396220.74 | 3870176.18 | 0.13582 |
| 396270.74 | 3870176.18 | 0.14799 | 396320.74 | 3870176.18 | 0.15916 |
| 396370.74 | 3870176.18 | 0.16867 | 396420.74 | 3870176.18 | 0.17700 |

| | | |
|---|---|---|
| 396470.74 | 3870176.18 | 0.18434 |
| 396520.74 | 3870176.18 | 0.19041 |
| 396570.74 | 3870176.18 | 0.19481 |
| 396620.74 | 3870176.18 | 0.19775 |
| 396670.74 | 3870176.18 | 0.19904 |
| 396720.74 | 3870176.18 | 0.19852 |
| 396770.74 | 3870176.18 | 0.19605 |
| 396820.74 | 3870176.18 | 0.19100 |
| 396870.74 | 3870176.18 | 0.18323 |
| 396920.74 | 3870176.18 | 0.17291 |
| 396970.74 | 3870176.18 | 0.16151 |
| 397020.74 | 3870176.18 | 0.14979 |
| 397070.74 | 3870176.18 | 0.13828 |
| 397120.74 | 3870176.18 | 0.12724 |
| 397170.74 | 3870176.18 | 0.11716 |
| 397220.74 | 3870176.18 | 0.10789 |
| 397270.74 | 3870176.18 | 0.09931 |
| 395270.74 | 3870226.18 | 0.01138 |
| 395320.74 | 3870226.18 | 0.01208 |
| 395370.74 | 3870226.18 | 0.01285 |
| 395420.74 | 3870226.18 | 0.01388 |
| 395470.74 | 3870226.18 | 0.01497 |
| 395520.74 | 3870226.18 | 0.01630 |
| 395570.74 | 3870226.18 | 0.01813 |
| 395620.74 | 3870226.18 | 0.02064 |
| 395670.74 | 3870226.18 | 0.02318 |
| 395720.74 | 3870226.18 | 0.02628 |
| 395770.74 | 3870226.18 | 0.03028 |
| 395820.74 | 3870226.18 | 0.03487 |
| 395870.74 | 3870226.18 | 0.04032 |
| 395920.74 | 3870226.18 | 0.04742 |
| 395970.74 | 3870226.18 | 0.05579 |
| 396020.74 | 3870226.18 | 0.06547 |
| 396070.74 | 3870226.18 | 0.07622 |
| 396120.74 | 3870226.18 | 0.08812 |
| 396170.74 | 3870226.18 | 0.09944 |
| 396220.74 | 3870226.18 | 0.11035 |
| 396270.74 | 3870226.18 | 0.12059 |
| 396320.74 | 3870226.18 | 0.13034 |
| 396370.74 | 3870226.18 | 0.13944 |
| 396420.74 | 3870226.18 | 0.14711 |
| 396470.74 | 3870226.18 | 0.15376 |
| 396520.74 | 3870226.18 | 0.15937 |
| 396570.74 | 3870226.18 | 0.16416 |
| 396620.74 | 3870226.18 | 0.16735 |
| 396670.74 | 3870226.18 | 0.16918 |
| 396720.74 | 3870226.18 | 0.16967 |
| 396770.74 | 3870226.18 | 0.16873 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396820.74 | 3870226.18 | 0.16590 | 396870.74 | 3870226.18 | 0.16107 |
| 396920.74 | 3870226.18 | 0.15453 | 396970.74 | 3870226.18 | 0.14629 |
| 397020.74 | 3870226.18 | 0.13756 | 397070.74 | 3870226.18 | 0.12856 |
| 397120.74 | 3870226.18 | 0.11944 | 397170.74 | 3870226.18 | 0.11094 |
| 397220.74 | 3870226.18 | 0.10298 | 397270.74 | 3870226.18 | 0.09540 |
| 395270.74 | 3870276.18 | 0.01070 | 395320.74 | 3870276.18 | 0.01139 |
| 395370.74 | 3870276.18 | 0.01209 | 395420.74 | 3870276.18 | 0.01298 |
| 395470.74 | 3870276.18 | 0.01406 | 395520.74 | 3870276.18 | 0.01530 |
| 395570.74 | 3870276.18 | 0.01688 | 395620.74 | 3870276.18 | 0.01922 |
| 395670.74 | 3870276.18 | 0.02146 | 395720.74 | 3870276.18 | 0.02417 |
| 395770.74 | 3870276.18 | 0.02756 | 395820.74 | 3870276.18 | 0.03133 |
| 395870.74 | 3870276.18 | 0.03570 | 395920.74 | 3870276.18 | 0.04105 |
| 395970.74 | 3870276.18 | 0.04782 | 396020.74 | 3870276.18 | 0.05529 |
| 396070.74 | 3870276.18 | 0.06360 | 396120.74 | 3870276.18 | 0.07295 |
| 396170.74 | 3870276.18 | 0.08233 | 396220.74 | 3870276.18 | 0.09155 |
| 396270.74 | 3870276.18 | 0.10042 | 396320.74 | 3870276.18 | 0.10877 |

| | | |
|---|---|---|
| 396370.74 | 3870276.18 | 0.11668 |
| 396420.74 | 3870276.18 | 0.12407 |
| 396470.74 | 3870276.18 | 0.13024 |
| 396520.74 | 3870276.18 | 0.13553 |
| 396570.74 | 3870276.18 | 0.13988 |
| 396620.74 | 3870276.18 | 0.14337 |
| 396670.74 | 3870276.18 | 0.14557 |
| 396720.74 | 3870276.18 | 0.14662 |
| 396770.74 | 3870276.18 | 0.14671 |
| 396820.74 | 3870276.18 | 0.14543 |
| 396870.74 | 3870276.18 | 0.14255 |
| 396920.74 | 3870276.18 | 0.13824 |
| 396970.74 | 3870276.18 | 0.13277 |
| 397020.74 | 3870276.18 | 0.12616 |
| 397070.74 | 3870276.18 | 0.11916 |
| 397120.74 | 3870276.18 | 0.11200 |
| 397170.74 | 3870276.18 | 0.10484 |
| 397220.74 | 3870276.18 | 0.09794 |
| 397270.74 | 3870276.18 | 0.09131 |
| 395270.74 | 3870326.18 | 0.01010 |
| 395320.74 | 3870326.18 | 0.01064 |
| 395370.74 | 3870326.18 | 0.01139 |
| 395420.74 | 3870326.18 | 0.01218 |
| 395470.74 | 3870326.18 | 0.01326 |
| 395520.74 | 3870326.18 | 0.01442 |
| 395570.74 | 3870326.18 | 0.01577 |
| 395620.74 | 3870326.18 | 0.01749 |
| 395670.74 | 3870326.18 | 0.01995 |
| 395720.74 | 3870326.18 | 0.02234 |
| 395770.74 | 3870326.18 | 0.02526 |
| 395820.74 | 3870326.18 | 0.02841 |
| 395870.74 | 3870326.18 | 0.03201 |
| 395920.74 | 3870326.18 | 0.03635 |
| 395970.74 | 3870326.18 | 0.04167 |
| 396020.74 | 3870326.18 | 0.04779 |
| 396070.74 | 3870326.18 | 0.05439 |
| 396120.74 | 3870326.18 | 0.06156 |
| 396170.74 | 3870326.18 | 0.06957 |
| 396220.74 | 3870326.18 | 0.07731 |
| 396270.74 | 3870326.18 | 0.08493 |
| 396320.74 | 3870326.18 | 0.09224 |
| 396370.74 | 3870326.18 | 0.09909 |
| 396420.74 | 3870326.18 | 0.10562 |
| 396470.74 | 3870326.18 | 0.11158 |
| 396520.74 | 3870326.18 | 0.11655 |
| 396570.74 | 3870326.18 | 0.12072 |
| 396620.74 | 3870326.18 | 0.12402 |
| 396670.74 | 3870326.18 | 0.12646 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396720.74 | 3870326.18 | 0.12809 | 396770.74 | 3870326.18 | 0.12883 |
| 396820.74 | 3870326.18 | 0.12840 | 396870.74 | 3870326.18 | 0.12687 |
| 396920.74 | 3870326.18 | 0.12409 | 396970.74 | 3870326.18 | 0.12035 |
| 397020.74 | 3870326.18 | 0.11574 | 397070.74 | 3870326.18 | 0.11040 |
| 397120.74 | 3870326.18 | 0.10457 | 397170.74 | 3870326.18 | 0.09872 |
| 397220.74 | 3870326.18 | 0.09290 | 397270.74 | 3870326.18 | 0.08713 |
| 395270.74 | 3870376.18 | 0.00949 | 395320.74 | 3870376.18 | 0.01006 |
| 395370.74 | 3870376.18 | 0.01074 | 395420.74 | 3870376.18 | 0.01153 |
| 395470.74 | 3870376.18 | 0.01243 | 395520.74 | 3870376.18 | 0.01360 |
| 395570.74 | 3870376.18 | 0.01482 | 395620.74 | 3870376.18 | 0.01628 |
| 395670.74 | 3870376.18 | 0.01822 | 395720.74 | 3870376.18 | 0.02076 |
| 395770.74 | 3870376.18 | 0.02329 | 395820.74 | 3870376.18 | 0.02596 |
| 395870.74 | 3870376.18 | 0.02899 | 395920.74 | 3870376.18 | 0.03261 |
| 395970.74 | 3870376.18 | 0.03692 | 396020.74 | 3870376.18 | 0.04205 |
| 396070.74 | 3870376.18 | 0.04744 | 396120.74 | 3870376.18 | 0.05326 |
| 396170.74 | 3870376.18 | 0.05959 | 396220.74 | 3870376.18 | 0.06628 |

| | | |
|---|---|---|
| 396270.74 | 3870376.18 | 0.07279 |
| 396320.74 | 3870376.18 | 0.07915 |
| 396370.74 | 3870376.18 | 0.08522 |
| 396420.74 | 3870376.18 | 0.09089 |
| 396470.74 | 3870376.18 | 0.09625 |
| 396520.74 | 3870376.18 | 0.10115 |
| 396570.74 | 3870376.18 | 0.10509 |
| 396620.74 | 3870376.18 | 0.10833 |
| 396670.74 | 3870376.18 | 0.11089 |
| 396720.74 | 3870376.18 | 0.11280 |
| 396770.74 | 3870376.18 | 0.11398 |
| 396820.74 | 3870376.18 | 0.11419 |
| 396870.74 | 3870376.18 | 0.11336 |
| 396920.74 | 3870376.18 | 0.11162 |
| 396970.74 | 3870376.18 | 0.10913 |
| 397020.74 | 3870376.18 | 0.10599 |
| 397070.74 | 3870376.18 | 0.10207 |
| 397120.74 | 3870376.18 | 0.09763 |
| 397170.74 | 3870376.18 | 0.09278 |
| 397220.74 | 3870376.18 | 0.08789 |
| 397270.74 | 3870376.18 | 0.08297 |
| 395270.74 | 3870426.18 | 0.00896 |
| 395320.74 | 3870426.18 | 0.00954 |
| 395370.74 | 3870426.18 | 0.01013 |
| 395420.74 | 3870426.18 | 0.01094 |
| 395470.74 | 3870426.18 | 0.01177 |
| 395520.74 | 3870426.18 | 0.01280 |
| 395570.74 | 3870426.18 | 0.01396 |
| 395620.74 | 3870426.18 | 0.01531 |
| 395670.74 | 3870426.18 | 0.01705 |
| 395720.74 | 3870426.18 | 0.01939 |
| 395770.74 | 3870426.18 | 0.02150 |
| 395820.74 | 3870426.18 | 0.02389 |
| 395870.74 | 3870426.18 | 0.02650 |
| 395920.74 | 3870426.18 | 0.02958 |
| 395970.74 | 3870426.18 | 0.03321 |
| 396020.74 | 3870426.18 | 0.03740 |
| 396070.74 | 3870426.18 | 0.04201 |
| 396120.74 | 3870426.18 | 0.04680 |
| 396170.74 | 3870426.18 | 0.05191 |
| 396220.74 | 3870426.18 | 0.05738 |
| 396270.74 | 3870426.18 | 0.06305 |
| 396320.74 | 3870426.18 | 0.06863 |
| 396370.74 | 3870426.18 | 0.07399 |
| 396420.74 | 3870426.18 | 0.07910 |
| 396470.74 | 3870426.18 | 0.08383 |
| 396520.74 | 3870426.18 | 0.08820 |
| 396570.74 | 3870426.18 | 0.09209 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396620.74 | 3870426.18 | 0.09531 | 396670.74 | 3870426.18 | 0.09790 |
| 396720.74 | 3870426.18 | 0.09999 | 396770.74 | 3870426.18 | 0.10145 |
| 396820.74 | 3870426.18 | 0.10210 | 396870.74 | 3870426.18 | 0.10187 |
| 396920.74 | 3870426.18 | 0.10087 | 396970.74 | 3870426.18 | 0.09923 |
| 397020.74 | 3870426.18 | 0.09701 | 397070.74 | 3870426.18 | 0.09426 |
| 397120.74 | 3870426.18 | 0.09088 | 397170.74 | 3870426.18 | 0.08707 |
| 397220.74 | 3870426.18 | 0.08293 | 397270.74 | 3870426.18 | 0.07885 |
| 395270.74 | 3870476.18 | 0.00851 | 395320.74 | 3870476.18 | 0.00899 |
| 395370.74 | 3870476.18 | 0.00964 | 395420.74 | 3870476.18 | 0.01034 |
| 395470.74 | 3870476.18 | 0.01116 | 395520.74 | 3870476.18 | 0.01203 |
| 395570.74 | 3870476.18 | 0.01320 | 395620.74 | 3870476.18 | 0.01448 |
| 395670.74 | 3870476.18 | 0.01598 | 395720.74 | 3870476.18 | 0.01778 |
| 395770.74 | 3870476.18 | 0.02006 | 395820.74 | 3870476.18 | 0.02206 |
| 395870.74 | 3870476.18 | 0.02433 | 395920.74 | 3870476.18 | 0.02706 |
| 395970.74 | 3870476.18 | 0.03017 | 396020.74 | 3870476.18 | 0.03367 |
| 396070.74 | 3870476.18 | 0.03757 | 396120.74 | 3870476.18 | 0.04165 |

396170.74 3870476.18 0.04590
396220.74 3870476.18 0.05039
396270.74 3870476.18 0.05505
396320.74 3870476.18 0.05999
396370.74 3870476.18 0.06481
396420.74 3870476.18 0.06937
396470.74 3870476.18 0.07366
396520.74 3870476.18 0.07757
396570.74 3870476.18 0.08103
396620.74 3870476.18 0.08430
396670.74 3870476.18 0.08696
396720.74 3870476.18 0.08913
396770.74 3870476.18 0.09077
396820.74 3870476.18 0.09172
396870.74 3870476.18 0.09192
396920.74 3870476.18 0.09145
396970.74 3870476.18 0.09044
397020.74 3870476.18 0.08894
397070.74 3870476.18 0.08694
397120.74 3870476.18 0.08451
397170.74 3870476.18 0.08157
397220.74 3870476.18 0.07829
397270.74 3870476.18 0.07480
395270.74 3870526.18 0.00811
395320.74 3870526.18 0.00857
395370.74 3870526.18 0.00920
395420.74 3870526.18 0.00980
395470.74 3870526.18 0.01061
395520.74 3870526.18 0.01144
395570.74 3870526.18 0.01249
395620.74 3870526.18 0.01377
395670.74 3870526.18 0.01515
395720.74 3870526.18 0.01672
395770.74 3870526.18 0.01882
395820.74 3870526.18 0.02058
395870.74 3870526.18 0.02253
395920.74 3870526.18 0.02493
395970.74 3870526.18 0.02761
396020.74 3870526.18 0.03063
396070.74 3870526.18 0.03387
396120.74 3870526.18 0.03740
396170.74 3870526.18 0.04103
396220.74 3870526.18 0.04480
396270.74 3870526.18 0.04876
396320.74 3870526.18 0.05286
396370.74 3870526.18 0.05699
396420.74 3870526.18 0.06128
396470.74 3870526.18 0.06514

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396520.74 | 3870526.18 | 0.06871 | 396570.74 | 3870526.18 | 0.07194 |
| 396620.74 | 3870526.18 | 0.07482 | 396670.74 | 3870526.18 | 0.07765 |
| 396720.74 | 3870526.18 | 0.07985 | 396770.74 | 3870526.18 | 0.08160 |
| 396820.74 | 3870526.18 | 0.08276 | 396870.74 | 3870526.18 | 0.08326 |
| 396920.74 | 3870526.18 | 0.08318 | 396970.74 | 3870526.18 | 0.08262 |
| 397020.74 | 3870526.18 | 0.08166 | 397070.74 | 3870526.18 | 0.08029 |
| 397120.74 | 3870526.18 | 0.07849 | 397170.74 | 3870526.18 | 0.07631 |
| 397220.74 | 3870526.18 | 0.07371 | 397270.74 | 3870526.18 | 0.07083 |
| 395270.74 | 3870576.18 | 0.00776 | 395320.74 | 3870576.18 | 0.00821 |
| 395370.74 | 3870576.18 | 0.00879 | 395420.74 | 3870576.18 | 0.00936 |
| 395470.74 | 3870576.18 | 0.01013 | 395520.74 | 3870576.18 | 0.01094 |
| 395570.74 | 3870576.18 | 0.01192 | 395620.74 | 3870576.18 | 0.01316 |
| 395670.74 | 3870576.18 | 0.01444 | 395720.74 | 3870576.18 | 0.01579 |
| 395770.74 | 3870576.18 | 0.01772 | 395820.74 | 3870576.18 | 0.01928 |
| 395870.74 | 3870576.18 | 0.02100 | 395920.74 | 3870576.18 | 0.02304 |
| 395970.74 | 3870576.18 | 0.02544 | 396020.74 | 3870576.18 | 0.02806 |

| | | |
|---|---|---|
| 396070.74 | 3870576.18 | 0.03088 |
| 396120.74 | 3870576.18 | 0.03381 |
| 396170.74 | 3870576.18 | 0.03687 |
| 396220.74 | 3870576.18 | 0.04010 |
| 396270.74 | 3870576.18 | 0.04360 |
| 396320.74 | 3870576.18 | 0.04712 |
| 396370.74 | 3870576.18 | 0.05071 |
| 396420.74 | 3870576.18 | 0.05432 |
| 396470.74 | 3870576.18 | 0.05778 |
| 396520.74 | 3870576.18 | 0.06118 |
| 396570.74 | 3870576.18 | 0.06418 |
| 396620.74 | 3870576.18 | 0.06692 |
| 396670.74 | 3870576.18 | 0.06941 |
| 396720.74 | 3870576.18 | 0.07167 |
| 396770.74 | 3870576.18 | 0.07356 |
| 396820.74 | 3870576.18 | 0.07496 |
| 396870.74 | 3870576.18 | 0.07569 |
| 396920.74 | 3870576.18 | 0.07589 |
| 396970.74 | 3870576.18 | 0.07566 |
| 397020.74 | 3870576.18 | 0.07510 |
| 397070.74 | 3870576.18 | 0.07420 |
| 397120.74 | 3870576.18 | 0.07293 |
| 397170.74 | 3870576.18 | 0.07130 |
| 397220.74 | 3870576.18 | 0.06929 |
| 397270.74 | 3870576.18 | 0.06698 |
| 395270.74 | 3870626.18 | 0.00745 |
| 395320.74 | 3870626.18 | 0.00788 |
| 395370.74 | 3870626.18 | 0.00841 |
| 395420.74 | 3870626.18 | 0.00899 |
| 395470.74 | 3870626.18 | 0.00964 |
| 395520.74 | 3870626.18 | 0.01052 |
| 395570.74 | 3870626.18 | 0.01144 |
| 395620.74 | 3870626.18 | 0.01259 |
| 395670.74 | 3870626.18 | 0.01380 |
| 395720.74 | 3870626.18 | 0.01502 |
| 395770.74 | 3870626.18 | 0.01622 |
| 395820.74 | 3870626.18 | 0.01757 |
| 395870.74 | 3870626.18 | 0.01966 |
| 395920.74 | 3870626.18 | 0.02142 |
| 395970.74 | 3870626.18 | 0.02354 |
| 396020.74 | 3870626.18 | 0.02586 |
| 396070.74 | 3870626.18 | 0.02833 |
| 396120.74 | 3870626.18 | 0.03090 |
| 396170.74 | 3870626.18 | 0.03354 |
| 396220.74 | 3870626.18 | 0.03627 |
| 396270.74 | 3870626.18 | 0.03915 |
| 396320.74 | 3870626.18 | 0.04221 |
| 396370.74 | 3870626.18 | 0.04539 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396420.74 | 3870626.18 | 0.04857 | 396470.74 | 3870626.18 | 0.05162 |
| 396520.74 | 3870626.18 | 0.05455 | 396570.74 | 3870626.18 | 0.05731 |
| 396620.74 | 3870626.18 | 0.06004 | 396670.74 | 3870626.18 | 0.06245 |
| 396720.74 | 3870626.18 | 0.06470 | 396770.74 | 3870626.18 | 0.06653 |
| 396820.74 | 3870626.18 | 0.06793 | 396870.74 | 3870626.18 | 0.06895 |
| 396920.74 | 3870626.18 | 0.06944 | 396970.74 | 3870626.18 | 0.06947 |
| 397020.74 | 3870626.18 | 0.06919 | 397070.74 | 3870626.18 | 0.06864 |
| 397120.74 | 3870626.18 | 0.06780 | 397170.74 | 3870626.18 | 0.06661 |
| 397220.74 | 3870626.18 | 0.06508 | 397270.74 | 3870626.18 | 0.06324 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | 394711.79 | 394861.79 | 395011.79 | 395161.79 | 395311.79 |
|---|---|---|---|---|---|---|
| 3871011.5 | 19.37552 (10011108) | 26.65394 (10011108) | 33.40132 (10011108) | 34.77481 (10011108) | 30.42760 (10011108) | |
| 3870861.5 | 14.07552 (10011108) | 21.81196 (10011108) | 31.20296 (10011108) | 38.05738 (10011108) | 37.39345 (10011108) | |
| 3870711.5 | 19.05661 (12120508) | 15.98811 (10011108) | 25.77550 (10011108) | 36.58199 (10011108) | 41.98429 (10011108) | |
| 3870561.5 | 15.34344 (12120508) | 17.27615 (12120508) | 17.36164 (12120508) | 31.15466 (10011108) | 42.02054 (10011108) | |
| 3870411.5 | 17.39992 (12120508) | 23.18733 (12120508) | 17.61896 (12120508) | 36.62291 (12120508) | 37.28283 (10011108) | |
| 3870261.5 | 47.96775 (12120508) | 50.94566 (12120508) | 53.35490 (12120508) | 56.20580 (12120508) | 55.94477 (12120508) | |
| 3870111.5 | 47.11288 (12120508) | 51.74476 (12120508) | 56.81211 (12120508) | 62.59055 (12120508) | 69.38141 (12120508) | |
| 3869961.5 | 40.01399 (12120508) | 48.40636 (12120508) | 56.15358 (12120508) | 63.09165 (12120508) | 70.64781 (12120508) | |
| 3869811.5 | 26.62124 (12120508) | 36.47365 (12120508) | 47.40203 (12120508) | 58.26199 (12120508) | 72.12606 (12120508) | |
| 3869661.5 | 12.68692 (13121709) | 19.55923 (12120508) | 30.81205 (12120508) | 44.73835 (12120508) | 61.66094 (12120508) | |
| 3869511.5 | 11.89907 (13121709) | 12.25118 (13121709) | 12.55286 (13121709) | 27.49146 (13121708) | 50.62357 (13121708) | |
| 3869361.5 | 11.34218 (12111409) | 13.11715 (13121708) | 28.69983 (13121708) | 60.69894 (13121708) | 91.63297 (13121708) | |
| 3869211.5 | 20.11488 (13121708) | 37.38080 (13121708) | 60.73459 (13121708) | 94.76565 (13121708) | 125.16219 (13121708) | |
| 3869061.5 | 44.67737 (13121708) | 66.29600 (13121708) | 92.18399 (13121708) | 121.28087 (13121708) | 148.21727 (13121708) | |

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|---|---|---|---|---|---|
| 3868911.5 | 69.99102 (13121708) | 90.59262 (13121708) | 111.65547 (13121708) | 136.88494 (13121708) | 159.27047 (13121708) |
| 3868761.5 | 89.43387 (13121708) | 106.30836 (13121708) | 124.44271 (13121708) | 140.96548 (13121708) | 151.13505 (13121708) |
| 3868611.5 | 100.58240 (13121708) | 114.06271 (13121708) | 122.40031 (13121708) | 124.41808 (13121708) | 118.44657 (13121708) |
| 3868461.5 | 101.40353 (13121708) | 105.89094 (13121708) | 101.99610 (13121708) | 92.81914 (13121708) | 113.95991 (12121908) |
| 3868311.5 | 88.15773 (13121708) | 82.65283 (13121708) | 73.64634 (13121708) | 86.83011 (12121908) | 134.61713 (12121908) |
| 3868161.5 | 65.33892 (13121708) | 53.57382 (13121708) | 65.64898 (12121908) | 107.22611 (12121908) | 145.74337 (12121908) |
| 3868011.5 | 39.84967 (13121708) | 50.90446 (13021308) | 84.76959 (12121908) | 121.89450 (12121908) | 147.20635 (12121908) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | 395461.79 | 395611.79 | 395761.79 | 395911.79 | 396061.79 |
|---|---|---|---|---|---|---|
| 3871011.5 | 41.42815 (13011508) | 56.62988 (13011508) | 58.43275 (13011508) | 59.57193 (13011508) | 58.92411 (13020508) | |
| 3870861.5 | 36.29553 (13011508) | 57.78465 (13011508) | 63.64070 (13011508) | 65.25091 (13011508) | 73.82999 (13020508) | |
| 3870711.5 | 40.13515 (10011108) | 58.70851 (13011508) | 69.62089 (13011508) | 75.69856 (13011508) | 95.97451 (13020508) | |
| 3870561.5 | 47.23426 (10011108) | 56.06640 (13011508) | 75.80721 (13011508) | 83.21560 (13011508) | 116.91184 (13020508) | |
| 3870411.5 | 50.17301 (10011108) | 53.00632 (10011108) | 85.56520 (13011508) | 92.34769 (13011508) | 143.20671 (13020508) | |
| 3870261.5 | 49.01354 (12120508) | 63.39051 (10011108) | 90.29091 (13011508) | 103.93717 (13011508) | 173.92129 (13020508) | |
| 3870111.5 | 75.40332 (12120508) | 78.84937 (12120508) | 88.10073 (13011508) | 121.14510 (13011508) | 211.81037 (13020508) | |
| 3869961.5 | 85.54083 (12120508) | 98.37608 (12120508) | 117.44167 (12120508) | 139.67632 (13020508) | 238.27445 (13020508) | |
| 3869811.5 | 84.13479 (12120508) | 98.68039 (12120508) | 118.70428 (12120508) | 130.27364 (13020508) | 210.09011 (13020508) | |
| 3869661.5 | 77.15836 (12120508) | 95.16252 (12120508) | 136.91807 (13121708) | 158.16899 (13121708) | 179.31597 (13020508) | |
| 3869511.5 | 86.29496 (13121708) | 134.77409 (13121708) | 193.14069 (13121708) | 208.19896 (13121708) | 193.32645 (13121708) | |
| 3869361.5 | 130.02363 (13121708) | 175.59993 (13121708) | 227.61707 (13121708) | 233.58966 (13121708) | 199.46642 (13121708) | |
| 3869211.5 | 159.91421 (13121708) | 199.58695 (13121708) | 244.36633 (13121708) | 241.88567 (13121708) | 223.72531 (12121908) | |
| 3869061.5 | 177.04608 (13121708) | 210.98933 (13121708) | 250.47861 (13121708) | 277.27886 (12121908) | 249.57698 (12121908) | |

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|---|---|---|---|---|---|
| 3868911.5 | 181.19673 (13121708) | 199.31557 (13121708) | 260.09415 (12121908) | 279.25442 (12121908) | 246.85715 (12121908) |
| 3868761.5 | 152.72798 (13121708) | 196.28367 (12121908) | 246.46482 (12121908) | 243.55689 (12121908) | 149.71341 (13122708) |
| 3868611.5 | 149.40306 (12121908) | 206.24796 (12121908) | 212.01013 (12121908) | 200.34625 (13122708) | 203.48733 (13122708) |
| 3868461.5 | 167.61165 (12121908) | 193.98435 (12121908) | 186.78040 (12121908) | 179.24609 (13122708) | 168.68665 (13122708) |
| 3868311.5 | 171.43719 (12121908) | 175.29170 (12121908) | 169.16015 (13122708) | 164.28444 (13122708) | 145.58159 (13122708) |
| 3868161.5 | 164.30272 (12121908) | 156.42291 (12121908) | 155.70982 (13122708) | 147.25777 (13122708) | 127.20542 (13122708) |
| 3868011.5 | 150.28174 (12121908) | 143.62780 (13122708) | 144.05380 (13122708) | 132.65252 (13122708) | 107.98601 (13122708) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | 396211.79 | 396361.79 | 396511.79 | 396661.79 | 396811.79 |
|---|---|---|---|---|---|---|
| 3871011.5 | 105.04046 (13020508) | 129.77515 (13020508) | 134.73623 (13020508) | 133.03789 (13020508) | 113.67785 (13020508) | |
| 3870861.5 | 124.09786 (13020508) | 140.69021 (13020508) | 144.84762 (13020508) | 141.86646 (13020508) | 118.87558 (13020508) | |
| 3870711.5 | 140.57057 (13020508) | 153.70509 (13020508) | 156.26803 (13020508) | 153.13038 (13020508) | 124.20427 (13020508) | |
| 3870561.5 | 158.89782 (13020508) | 168.69533 (13020508) | 170.53598 (13020508) | 167.01127 (13020508) | 143.77933 (13120208) | |
| 3870411.5 | 179.88164 (13020508) | 186.65172 (13020508) | 187.60202 (13020508) | 184.23347 (13020508) | 167.60898 (13120208) | |
| 3870261.5 | 204.20435 (13020508) | 208.62176 (13020508) | 209.09777 (13020508) | 206.09974 (13020508) | 201.94200 (13020108) | |
| 3870111.5 | 233.70309 (13020508) | 235.90736 (13020508) | 236.34096 (13020508) | 233.61099 (13020508) | 236.40634 (13020108) | |
| 3869961.5 | 248.97805 (13020508) | 248.78278 (13020508) | 243.56127 (13020108) | 246.56302 (13020108) | 239.94258 (13020108) | |
| 3869811.5 | 216.11977 (13020508) | 206.69569 (13020508) | 214.24848 (13020108) | 219.18324 (13020108) | 216.55219 (13121608) | |
| 3869661.5 | 180.94190 (13020508) | 178.72392 (13020108) | 184.23057 (13020108) | 187.82108 (13121608) | 213.27496 (13121608) | |
| 3869511.5 | 158.22735 (13121708) | 144.50542 (13020108) | 174.94266 (13011408) | 201.30847 (13011408) | 211.02211 (13011408) | |
| 3869361.5 | 171.70618 (12121908) | 162.77751 (12121908) | 175.69345 (12120708) | 202.35149 (13011408) | 222.00027 (13011408) | |
| 3869211.5 | 207.41625 (12121908) | 184.43582 (13122708) | 191.59974 (12122808) | 210.90909 (12120708) | 223.34583 (12120708) | |
| 3869061.5 | 225.28535 (12121908) | 202.98620 (13122708) | 205.21500 (12122808) | 230.86035 (13010308) | 246.39443 (12120708) | |

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|---|---|---|---|---|---|
| 3868911.5 | 225.92794 (13122708) | 217.56487 (13020408) | 222.27498 (13020408) | 231.99448 (13010308) | 255.53844 (13010308) |
| 3868761.5 | 136.07640 (13122708) | 214.03859 (13020408) | 220.21432 (13020408) | 217.15640 (13020408) | 226.20647 (13010308) |
| 3868611.5 | 154.12981 (13122708) | 202.87052 (13020408) | 210.54760 (13020408) | 205.44608 (13020408) | 201.47386 (13020408) |
| 3868461.5 | 146.27543 (13122708) | 164.64757 (13020408) | 188.39190 (13020408) | 193.13644 (13020408) | 191.18933 (13020408) |
| 3868311.5 | 116.85304 (13122708) | 126.12304 (13020408) | 165.59084 (13020408) | 178.35350 (13020408) | 179.42849 (13020408) |
| 3868161.5 | 90.44320 (13122708) | 95.04501 (13020408) | 143.88795 (13020408) | 163.59242 (13020408) | 167.89197 (13020408) |
| 3868011.5 | 72.97841 (13021408) | 76.89232 (13122508) | 120.62024 (13020408) | 150.58279 (13020408) | 158.37409 (13020408) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | 396961.79 | 397111.79 | 397261.79 | 397411.79 | 397561.79 |
|---|---|---|---|---|---|---|
| 3871011.5 | 97.80908 (13120208) | 111.68670 (13120208) | 114.31226 (13120208) | 118.28884 (13020108) | 108.59361 (13020108) |
| 3870861.5 | 116.26907 (13120208) | 125.09663 (13120208) | 129.23713 (13020108) | 123.03920 (13020108) | 101.46839 (13020108) |
| 3870711.5 | 134.48081 (13120208) | 140.61089 (13020108) | 139.43958 (13020108) | 118.53906 (13020108) | 87.17584 (13020108) |
| 3870561.5 | 152.75431 (13020108) | 158.03459 (13020108) | 139.43309 (13020108) | 104.40584 (13020108) | 68.42644 (13020108) |
| 3870411.5 | 178.68339 (13020108) | 165.63845 (13020108) | 126.01308 (13020108) | 83.29832 (13020108) | 55.84679 (13123108) |
| 3870261.5 | 199.29621 (13020108) | 153.44491 (13020108) | 102.38550 (13020108) | 72.02069 (13123108) | 71.61975 (13123108) |
| 3870111.5 | 192.67265 (13020108) | 127.01814 (13020108) | 87.43585 (13123108) | 80.45365 (13123108) | 73.84756 (13123108) |
| 3869961.5 | 161.80973 (13020108) | 99.71906 (13123108) | 90.37416 (13121608) | 84.98623 (13121608) | 80.27252 (13121608) |
| 3869811.5 | 195.76669 (13121608) | 172.55297 (13121608) | 151.73022 (13121608) | 137.21504 (13121608) | 125.41613 (13121608) |
| 3869661.5 | 193.64106 (13121608) | 171.77932 (13121608) | 159.91971 (13121608) | 146.69352 (13121608) | 136.69733 (13121608) |
| 3869511.5 | 188.25516 (13121608) | 172.09739 (13121608) | 158.14414 (13121608) | 147.43932 (13121608) | 135.85842 (13121608) |
| 3869361.5 | 202.52536 (13011408) | 172.45041 (13011408) | 154.08924 (13121608) | 141.78897 (13121608) | 130.87280 (13121608) |
| 3869211.5 | 204.94711 (13011408) | 181.35395 (13011408) | 163.79015 (13011408) | 142.51605 (13011408) | 121.53411 (13011408) |
| 3869061.5 | 224.26169 (12120708) | 183.93273 (13011408) | 170.34073 (13011408) | 152.68916 (13011408) | 137.22769 (13011408) |

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|---|---|---|---|---|---|
| 3868911.5 | 242.61358 (12120708) | 212.50980 (12120708) | 172.17169 (12120708) | 154.21088 (13011408) | 142.71235 (13011408) |
| 3868761.5 | 242.61276 (13010308) | 220.30104 (12120708) | 196.40993 (12120708) | 161.64453 (12120708) | 132.85649 (13011408) |
| 3868611.5 | 212.89079 (13010308) | 220.71226 (13010308) | 197.22301 (12120708) | 180.67027 (12120708) | 151.06726 (12120708) |
| 3868461.5 | 173.39681 (13010308) | 197.68920 (13010308) | 198.57596 (13010308) | 177.12208 (12120708) | 166.80729 (12120708) |
| 3868311.5 | 171.23584 (13020408) | 164.61344 (13010308) | 184.70792 (13010308) | 180.30629 (13010308) | 161.05258 (12120708) |
| 3868161.5 | 166.05650 (13020408) | 138.17014 (13020408) | 157.03056 (13010308) | 172.16762 (13010308) | 165.28306 (13010308) |
| 3868011.5 | 159.98500 (13020408) | 143.23817 (13020408) | 126.37420 (12122808) | 150.19244 (13010308) | 161.82354 (13010308) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | 397711.79 |
|---|---|---|
| 3871011.5 | 87.33936 | (13020108) |
| 3870861.5 | 73.35003 | (13020108) |
| 3870711.5 | 56.39681 | (13020108) |
| 3870561.5 | 40.99838 | (13123108) |
| 3870411.5 | 59.90598 | (13123108) |
| 3870261.5 | 68.24025 | (13123108) |
| 3870111.5 | 67.00497 | (13123108) |
| 3869961.5 | 75.56768 | (13121608) |
| 3869811.5 | 115.11284 | (13121608) |
| 3869661.5 | 126.96641 | (13121608) |
| 3869511.5 | 126.57923 | (13121608) |
| 3869361.5 | 121.09524 | (13121608) |
| 3869211.5 | 100.27878 | (13011408) |
| 3869061.5 | 122.47066 | (13011408) |
| 3868911.5 | 130.86298 | (13011408) |
| 3868761.5 | 128.18810 | (13011408) |
| 3868611.5 | 119.03611 | (12120708) |
| 3868461.5 | 143.61462 | (12120708) |
| 3868311.5 | 155.88627 | (12120708) |
| 3868161.5 | 147.88953 | (12120708) |
| 3868011.5 | 152.31666 | (13010308) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395270.74 | 3868626.18 | 124.67633 | (13121708) | 395320.74 | 3868626.18 | 121.73476 | (13121708) |
| 395370.74 | 3868626.18 | 118.09219 | (13121708) | 395420.74 | 3868626.18 | 128.95020 | (12121908) |
| 395470.74 | 3868626.18 | 150.97713 | (12121908) | 395520.74 | 3868626.18 | 172.68068 | (12121908) |
| 395570.74 | 3868626.18 | 192.87772 | (12121908) | 395620.74 | 3868626.18 | 208.76691 | (12121908) |
| 395670.74 | 3868626.18 | 215.27760 | (12121908) | 395720.74 | 3868626.18 | 217.96321 | (12121908) |
| 395770.74 | 3868626.18 | 212.50285 | (12121908) | 395820.74 | 3868626.18 | 210.21114 | (12121908) |
| 395270.74 | 3868676.18 | 135.52562 | (13121708) | 395320.74 | 3868676.18 | 134.46765 | (13121708) |
| 395370.74 | 3868676.18 | 132.35239 | (13121708) | 395420.74 | 3868676.18 | 129.00065 | (13121708) |
| 395470.74 | 3868676.18 | 141.77744 | (12121908) | 395520.74 | 3868676.18 | 165.28609 | (12121908) |
| 395570.74 | 3868676.18 | 188.16057 | (12121908) | 395620.74 | 3868676.18 | 208.41037 | (12121908) |
| 395670.74 | 3868676.18 | 220.76858 | (12121908) | 395720.74 | 3868676.18 | 224.94326 | (12121908) |
| 395770.74 | 3868676.18 | 220.53035 | (12121908) | 395820.74 | 3868676.18 | 221.09475 | (12121908) |
| 395270.74 | 3868726.18 | 144.07761 | (13121708) | 395320.74 | 3868726.18 | 145.39578 | (13121708) |
| 395370.74 | 3868726.18 | 145.09157 | (13121708) | 395420.74 | 3868726.18 | 144.10898 | (13121708) |
| 395470.74 | 3868726.18 | 141.05323 | (13121708) | 395520.74 | 3868726.18 | 156.34723 | (12121908) |
| 395570.74 | 3868726.18 | 181.11416 | (12121908) | 395620.74 | 3868726.18 | 205.18419 | (12121908) |

395670.74 3868726.18 224.78275 (12121908)
395720.74 3868726.18 234.67864 (12121908)
395770.74 3868726.18 234.90316 (12121908)
395820.74 3868726.18 234.27561 (12121908)
395270.74 3868776.18 150.00075 (13121708)
395320.74 3868776.18 153.69375 (13121708)
395370.74 3868776.18 155.73531 (13121708)
395420.74 3868776.18 156.92298 (13121708)
395470.74 3868776.18 156.80368 (13121708)
395520.74 3868776.18 154.69936 (13121708)
395570.74 3868776.18 172.31283 (12121908)
395620.74 3868776.18 198.71097 (12121908)
395670.74 3868776.18 223.61453 (12121908)
395720.74 3868776.18 241.62312 (12121908)
395770.74 3868776.18 249.64256 (12121908)
395820.74 3868776.18 248.72500 (12121908)
395270.74 3868826.18 153.16363 (13121708)
395320.74 3868826.18 158.88491 (13121708)
395370.74 3868826.18 163.16245 (13121708)
395420.74 3868826.18 166.87459 (13121708)
395470.74 3868826.18 169.91256 (13121708)
395520.74 3868826.18 170.82953 (13121708)
395570.74 3868826.18 170.40136 (13121708)
395620.74 3868826.18 190.02440 (12121908)
395670.74 3868826.18 218.56924 (12121908)
395720.74 3868826.18 243.46303 (12121908)
395770.74 3868826.18 257.99106 (12121908)
395820.74 3868826.18 261.57263 (12121908)
395270.74 3868876.18 153.76848 (13121708)
395320.74 3868876.18 160.97793 (13121708)
395370.74 3868876.18 167.06458 (13121708)
395420.74 3868876.18 172.81150 (13121708)
395470.74 3868876.18 179.00941 (13121708)
395520.74 3868876.18 183.38951 (13121708)
395570.74 3868876.18 186.66895 (13121708)
395620.74 3868876.18 187.82179 (13121708)
395670.74 3868876.18 209.88660 (12121908)
395720.74 3868876.18 240.37182 (12121908)
395770.74 3868876.18 263.73119 (12121908)
395820.74 3868876.18 272.25443 (12121908)
395270.74 3868926.18 152.15381 (13121708)
395320.74 3868926.18 160.40501 (13121708)
395370.74 3868926.18 167.77097 (13121708)
395420.74 3868926.18 175.16488 (13121708)
395470.74 3868926.18 183.56548 (13121708)
395520.74 3868926.18 190.82944 (13121708)
395570.74 3868926.18 197.69727 (13121708)
395620.74 3868926.18 204.08483 (13121708)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395670.74 | 3868926.18 | 207.61494 | (13121708) | 395720.74 | 3868926.18 | 232.10677 | (12121908) |
| 395770.74 | 3868926.18 | 263.77905 | (12121908) | 395820.74 | 3868926.18 | 281.27175 | (12121908) |
| 395270.74 | 3868976.18 | 148.83000 | (13121708) | 395320.74 | 3868976.18 | 157.81828 | (13121708) |
| 395370.74 | 3868976.18 | 166.04687 | (13121708) | 395420.74 | 3868976.18 | 174.47524 | (13121708) |
| 395470.74 | 3868976.18 | 184.21995 | (13121708) | 395520.74 | 3868976.18 | 193.29580 | (13121708) |
| 395570.74 | 3868976.18 | 202.61199 | (13121708) | 395620.74 | 3868976.18 | 212.05360 | (13121708) |
| 395670.74 | 3868976.18 | 222.08930 | (13121708) | 395720.74 | 3868976.18 | 229.47141 | (13121708) |
| 395770.74 | 3868976.18 | 256.13753 | (12121908) | 395820.74 | 3868976.18 | 284.48469 | (12121908) |
| 395270.74 | 3869026.18 | 144.17323 | (13121708) | 395320.74 | 3869026.18 | 153.73862 | (13121708) |
| 395370.74 | 3869026.18 | 162.61516 | (13121708) | 395420.74 | 3869026.18 | 171.74483 | (13121708) |
| 395470.74 | 3869026.18 | 182.25426 | (13121708) | 395520.74 | 3869026.18 | 192.29585 | (13121708) |
| 395570.74 | 3869026.18 | 202.85136 | (13121708) | 395620.74 | 3869026.18 | 214.02429 | (13121708) |
| 395670.74 | 3869026.18 | 226.73634 | (13121708) | 395720.74 | 3869026.18 | 239.25470 | (13121708) |
| 395770.74 | 3869026.18 | 250.39653 | (13121708) | 395820.74 | 3869026.18 | 276.44678 | (12121908) |
| 395270.74 | 3869076.18 | 138.33040 | (13121708) | 395320.74 | 3869076.18 | 148.43240 | (13121708) |
| 395370.74 | 3869076.18 | 157.88301 | (13121708) | 395420.74 | 3869076.18 | 167.61550 | (13121708) |

395470.74 3869076.18 177.73303 (13121708)
395520.74 3869076.18 189.40175 (13121708)
395570.74 3869076.18 200.61608 (13121708)
395620.74 3869076.18 212.49848 (13121708)
395670.74 3869076.18 225.12510 (13121708)
395720.74 3869076.18 239.64704 (13121708)
395770.74 3869076.18 252.39568 (13121708)
395820.74 3869076.18 264.29146 (12121908)
395270.74 3869126.18 131.31976 (13121708)
395320.74 3869126.18 141.93701 (13121708)
395370.74 3869126.18 151.96559 (13121708)
395420.74 3869126.18 162.29774 (13121708)
395470.74 3869126.18 173.02235 (13121708)
395520.74 3869126.18 185.29826 (13121708)
395570.74 3869126.18 197.11899 (13121708)
395620.74 3869126.18 209.57938 (13121708)
395670.74 3869126.18 222.76270 (13121708)
395720.74 3869126.18 237.56546 (13121708)
395770.74 3869126.18 250.98532 (13121708)
395820.74 3869126.18 258.30490 (13121708)
395270.74 3869176.18 123.10680 (13121708)
395320.74 3869176.18 134.18877 (13121708)
395370.74 3869176.18 144.79957 (13121708)
395420.74 3869176.18 155.73227 (13121708)
395470.74 3869176.18 167.04049 (13121708)
395520.74 3869176.18 179.70649 (13121708)
395570.74 3869176.18 192.48797 (13121708)
395620.74 3869176.18 205.60902 (13121708)
395670.74 3869176.18 219.43284 (13121708)
395720.74 3869176.18 234.38187 (13121708)
395770.74 3869176.18 248.82050 (13121708)
395820.74 3869176.18 256.92097 (13121708)
395270.74 3869226.18 113.68528 (13121708)
395320.74 3869226.18 124.29764 (13121708)
395370.74 3869226.18 136.11160 (13121708)
395420.74 3869226.18 147.80832 (13121708)
395470.74 3869226.18 159.75916 (13121708)
395520.74 3869226.18 173.08071 (13121708)
395570.74 3869226.18 186.55601 (13121708)
395620.74 3869226.18 200.40109 (13121708)
395670.74 3869226.18 214.94947 (13121708)
395720.74 3869226.18 230.60474 (13121708)
395770.74 3869226.18 245.70278 (13121708)
395820.74 3869226.18 254.45996 (13121708)
395270.74 3869276.18 103.07582 (13121708)
395320.74 3869276.18 114.00638 (13121708)
395370.74 3869276.18 125.91327 (13121708)
395420.74 3869276.18 138.46517 (13121708)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395470.74 | 3869276.18 | 151.00660 | (13121708) | 395520.74 | 3869276.18 | 164.09169 | (13121708) |
| 395570.74 | 3869276.18 | 179.14408 | (13121708) | 395620.74 | 3869276.18 | 193.73949 | (13121708) |
| 395670.74 | 3869276.18 | 209.06943 | (13121708) | 395720.74 | 3869276.18 | 225.77699 | (13121708) |
| 395770.74 | 3869276.18 | 241.40309 | (13121708) | 395820.74 | 3869276.18 | 250.92226 | (13121708) |
| 395270.74 | 3869326.18 | 91.37941 | (13121708) | 395320.74 | 3869326.18 | 102.48714 | (13121708) |
| 395370.74 | 3869326.18 | 114.20331 | (13121708) | 395420.74 | 3869326.18 | 127.60899 | (13121708) |
| 395470.74 | 3869326.18 | 140.69631 | (13121708) | 395520.74 | 3869326.18 | 154.39592 | (13121708) |
| 395570.74 | 3869326.18 | 170.09120 | (13121708) | 395620.74 | 3869326.18 | 185.43525 | (13121708) |
| 395670.74 | 3869326.18 | 201.56310 | (13121708) | 395720.74 | 3869326.18 | 219.47269 | (13121708) |
| 395770.74 | 3869326.18 | 235.59487 | (13121708) | 395820.74 | 3869326.18 | 246.02582 | (13121708) |
| 395270.74 | 3869376.18 | 78.79527 | (13121708) | 395320.74 | 3869376.18 | 89.84153 | (13121708) |
| 395370.74 | 3869376.18 | 101.68837 | (13121708) | 395420.74 | 3869376.18 | 114.70151 | (13121708) |
| 395470.74 | 3869376.18 | 128.79698 | (13121708) | 395520.74 | 3869376.18 | 143.01812 | (13121708) |
| 395570.74 | 3869376.18 | 158.79922 | (13121708) | 395620.74 | 3869376.18 | 175.32875 | (13121708) |
| 395670.74 | 3869376.18 | 192.23692 | (13121708) | 395720.74 | 3869376.18 | 210.56543 | (13121708) |
| 395770.74 | 3869376.18 | 227.98744 | (13121708) | 395820.74 | 3869376.18 | 239.37860 | (13121708) |

395270.74 3869426.18 65.50561 (13121708)
395320.74 3869426.18 76.31327 (13121708)
395370.74 3869426.18 88.00636 (13121708)
395420.74 3869426.18 100.90389 (13121708)
395470.74 3869426.18 115.33054 (13121708)
395520.74 3869426.18 129.94100 (13121708)
395570.74 3869426.18 145.96730 (13121708)
395620.74 3869426.18 163.31784 (13121708)
395670.74 3869426.18 180.93097 (13121708)
395720.74 3869426.18 199.82482 (13121708)
395770.74 3869426.18 218.33726 (13121708)
395820.74 3869426.18 230.69073 (13121708)
395270.74 3869476.18 52.34972 (13121708)
395320.74 3869476.18 62.27600 (13121708)
395370.74 3869476.18 73.45476 (13121708)
395420.74 3869476.18 85.82593 (13121708)
395470.74 3869476.18 100.37939 (13121708)
395520.74 3869476.18 115.19792 (13121708)
395570.74 3869476.18 131.05821 (13121708)
395620.74 3869476.18 149.35061 (13121708)
395670.74 3869476.18 167.56394 (13121708)
395720.74 3869476.18 187.12560 (13121708)
395770.74 3869476.18 206.43382 (13121708)
395820.74 3869476.18 219.70711 (13121708)
395270.74 3869526.18 39.52824 (13121708)
395320.74 3869526.18 48.28849 (13121708)
395370.74 3869526.18 58.48318 (13121708)
395420.74 3869526.18 70.14439 (13121708)
395470.74 3869526.18 84.17073 (13121708)
395520.74 3869526.18 98.86783 (13121708)
395570.74 3869526.18 114.87432 (13121708)
395620.74 3869526.18 133.40424 (13121708)
395670.74 3869526.18 152.07768 (13121708)
395720.74 3869526.18 171.73109 (13121708)
395770.74 3869526.18 192.16077 (13121708)
395820.74 3869526.18 206.23349 (13121708)
395270.74 3869576.18 46.77967 (12120508)
395320.74 3869576.18 52.35440 (12120508)
395370.74 3869576.18 57.95684 (12120508)
395420.74 3869576.18 63.78289 (12120508)
395470.74 3869576.18 70.26186 (12120508)
395520.74 3869576.18 81.21123 (13121708)
395570.74 3869576.18 96.99746 (13121708)
395620.74 3869576.18 114.37189 (13121708)
395670.74 3869576.18 134.46283 (13121708)
395720.74 3869576.18 154.52920 (13121708)
395770.74 3869576.18 174.77732 (13121708)
395820.74 3869576.18 190.14781 (13121708)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395270.74 | 3869626.18 | 53.32943 | (12120508) | 395320.74 | 3869626.18 | 58.73952 | (12120508) |
| 395370.74 | 3869626.18 | 64.03299 | (12120508) | 395420.74 | 3869626.18 | 69.49463 | (12120508) |
| 395470.74 | 3869626.18 | 75.17261 | (12120508) | 395520.74 | 3869626.18 | 81.53585 | (12120508) |
| 395570.74 | 3869626.18 | 87.80104 | (12120508) | 395620.74 | 3869626.18 | 94.66275 | (13121708) |
| 395670.74 | 3869626.18 | 114.37690 | (13121708) | 395720.74 | 3869626.18 | 135.00983 | (13121708) |
| 395770.74 | 3869626.18 | 155.60217 | (13121708) | 395820.74 | 3869626.18 | 171.72174 | (13121708) |
| 395270.74 | 3869676.18 | 59.05526 | (12120508) | 395320.74 | 3869676.18 | 64.06133 | (12120508) |
| 395370.74 | 3869676.18 | 68.96679 | (12120508) | 395420.74 | 3869676.18 | 73.99903 | (12120508) |
| 395470.74 | 3869676.18 | 79.20514 | (12120508) | 395520.74 | 3869676.18 | 85.07693 | (12120508) |
| 395570.74 | 3869676.18 | 90.81911 | (12120508) | 395620.74 | 3869676.18 | 96.93454 | (12120508) |
| 395670.74 | 3869676.18 | 103.71810 | (12120508) | 395720.74 | 3869676.18 | 113.11230 | (13121708) |
| 395770.74 | 3869676.18 | 133.90409 | (13121708) | 395820.74 | 3869676.18 | 150.98394 | (13121708) |
| 395270.74 | 3869726.18 | 63.89560 | (12120508) | 395320.74 | 3869726.18 | 68.29295 | (12120508) |
| 395370.74 | 3869726.18 | 72.76832 | (12120508) | 395420.74 | 3869726.18 | 77.34576 | (12120508) |
| 395470.74 | 3869726.18 | 82.06431 | (12120508) | 395520.74 | 3869726.18 | 87.35557 | (12120508) |
| 395570.74 | 3869726.18 | 92.77305 | (12120508) | 395620.74 | 3869726.18 | 98.46071 | (12120508) |

395670.74 3869726.18 104.69378 (12120508)
395720.74 3869726.18 112.24289 (12120508)
395770.74 3869726.18 120.02972 (12120508)
395820.74 3869726.18 127.10394 (13121708)
395270.74 3869776.18 67.29899 (12120508)
395320.74 3869776.18 71.12454 (12120508)
395370.74 3869776.18 75.52824 (12120508)
395420.74 3869776.18 79.67728 (12120508)
395470.74 3869776.18 83.97773 (12120508)
395520.74 3869776.18 88.49665 (12120508)
395570.74 3869776.18 93.94099 (12120508)
395620.74 3869776.18 99.31527 (12120508)
395670.74 3869776.18 105.28987 (12120508)
395720.74 3869776.18 112.32607 (12120508)
395770.74 3869776.18 120.27046 (12120508)
395820.74 3869776.18 126.77384 (12120508)
395270.74 3869826.18 69.81672 (12120508)
395320.74 3869826.18 73.36645 (12120508)
395370.74 3869826.18 77.32794 (12120508)
395420.74 3869826.18 81.19496 (12120508)
395470.74 3869826.18 85.16326 (12120508)
395520.74 3869826.18 89.38831 (12120508)
395570.74 3869826.18 94.33950 (12120508)
395620.74 3869826.18 99.75620 (12120508)
395670.74 3869826.18 105.57467 (12120508)
395720.74 3869826.18 112.17536 (12120508)
395770.74 3869826.18 119.85683 (12120508)
395820.74 3869826.18 126.82323 (12120508)
395270.74 3869876.18 71.65348 (12120508)
395320.74 3869876.18 74.86754 (12120508)
395370.74 3869876.18 78.17473 (12120508)
395420.74 3869876.18 81.82308 (12120508)
395470.74 3869876.18 85.84585 (12120508)
395520.74 3869876.18 89.87242 (12120508)
395570.74 3869876.18 94.29254 (12120508)
395620.74 3869876.18 99.73649 (12120508)
395670.74 3869876.18 105.69905 (12120508)
395720.74 3869876.18 112.24511 (12120508)
395770.74 3869876.18 119.56806 (12120508)
395820.74 3869876.18 126.80248 (12120508)
395270.74 3869926.18 68.22400 (12120508)
395320.74 3869926.18 75.81102 (12120508)
395370.74 3869926.18 78.88997 (12120508)
395420.74 3869926.18 82.14377 (12120508)
395470.74 3869926.18 86.21139 (12120508)
395520.74 3869926.18 90.11560 (12120508)
395570.74 3869926.18 94.44478 (12120508)
395620.74 3869926.18 99.31291 (12120508)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395670.74 | 3869926.18 | 105.49461 | (12120508) | 395720.74 | 3869926.18 | 112.26840 | (12120508) |
| 395770.74 | 3869926.18 | 119.58132 | (12120508) | 395820.74 | 3869926.18 | 126.71188 | (12120508) |
| 395270.74 | 3869976.18 | 67.97920 | (12120508) | 395320.74 | 3869976.18 | 70.64618 | (12120508) |
| 395370.74 | 3869976.18 | 79.28245 | (12120508) | 395420.74 | 3869976.18 | 82.40624 | (12120508) |
| 395470.74 | 3869976.18 | 86.37097 | (12120508) | 395520.74 | 3869976.18 | 90.18488 | (12120508) |
| 395570.74 | 3869976.18 | 94.42431 | (12120508) | 395620.74 | 3869976.18 | 99.16489 | (12120508) |
| 395670.74 | 3869976.18 | 104.43864 | (12120508) | 395720.74 | 3869976.18 | 110.73501 | (12120508) |
| 395770.74 | 3869976.18 | 116.35354 | (12120508) | 395820.74 | 3869976.18 | 117.28578 | (12120508) |
| 395870.74 | 3869976.18 | 137.15471 | (13011508) | 395920.74 | 3869976.18 | 149.95503 | (13020508) |
| 395970.74 | 3869976.18 | 196.47381 | (13020508) | 396020.74 | 3869976.18 | 224.90142 | (13020508) |
| 396070.74 | 3869976.18 | 240.32840 | (13020508) | 396120.74 | 3869976.18 | 246.43034 | (13020508) |
| 396170.74 | 3869976.18 | 249.46243 | (13020508) | 396220.74 | 3869976.18 | 250.77020 | (13020508) |
| 396270.74 | 3869976.18 | 250.63042 | (13020508) | 396320.74 | 3869976.18 | 250.74310 | (13020508) |
| 396370.74 | 3869976.18 | 250.78026 | (13020508) | 396420.74 | 3869976.18 | 250.79003 | (13020508) |
| 396470.74 | 3869976.18 | 248.93898 | (13020508) | 396520.74 | 3869976.18 | 243.57098 | (13020108) |
| 396570.74 | 3869976.18 | 249.95236 | (13020108) | 396620.74 | 3869976.18 | 248.58995 | (13020108) |

396668.32 3869988.26 247.10060 (13020108)
396718.32 3869988.26 250.36406 (13020108)
396768.32 3869988.26 260.56334 (13020108)
396818.32 3869988.26 246.92834 (13020108)
396868.32 3869993.09 214.80034 (13020108)
396918.32 3869993.09 188.88119 (13020108)
396968.32 3869993.09 164.91566 (13020108)
397018.32 3869993.09 143.06122 (13020108)
397068.32 3869993.09 121.80606 (13020108)
397118.32 3869993.09 102.58830 (13020108)
397168.32 3869993.09 95.42175 (13123108)
397218.32 3869993.09 90.93971 (13123108)
397268.32 3869993.09 87.78693 (13123108)
395270.74 3870026.18 68.12035 (12120508)
395320.74 3870026.18 70.10854 (12120508)
395370.74 3870026.18 73.13356 (12120508)
395420.74 3870026.18 82.37824 (12120508)
395470.74 3870026.18 85.58726 (12120508)
395520.74 3870026.18 89.56262 (12120508)
395570.74 3870026.18 93.23653 (12120508)
395620.74 3870026.18 96.70698 (12120508)
395670.74 3870026.18 99.38343 (12120508)
395720.74 3870026.18 100.06848 (12120508)
395770.74 3870026.18 98.33975 (12120508)
395820.74 3870026.18 115.86427 (13011508)
395870.74 3870026.18 131.43046 (13011508)
395920.74 3870026.18 136.82466 (13020508)
395970.74 3870026.18 187.15747 (13020508)
396020.74 3870026.18 217.27696 (13020508)
396070.74 3870026.18 234.21869 (13020508)
396120.74 3870026.18 242.96544 (13020508)
396170.74 3870026.18 247.58005 (13020508)
396220.74 3870026.18 249.28693 (13020508)
396270.74 3870026.18 249.91917 (13020508)
396320.74 3870026.18 250.24783 (13020508)
396370.74 3870026.18 250.31531 (13020508)
396420.74 3870026.18 250.33126 (13020508)
396470.74 3870026.18 250.33839 (13020508)
396520.74 3870026.18 249.96936 (13020508)
396570.74 3870026.18 241.74622 (13020108)
396620.74 3870026.18 246.54125 (13020108)
396670.74 3870026.18 244.94303 (13020108)
396720.74 3870026.18 253.76807 (13020108)
396770.74 3870026.18 255.50224 (13020108)
396820.74 3870026.18 247.99043 (13020108)
396870.74 3870026.18 220.44132 (13020108)
396920.74 3870026.18 193.75078 (13020108)
396970.74 3870026.18 170.08145 (13020108)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397020.74 | 3870026.18 | 150.37653 | (13020108) | 397070.74 | 3870026.18 | 127.74100 | (13020108) |
| 397120.74 | 3870026.18 | 107.98809 | (13020108) | 397170.74 | 3870026.18 | 95.09267 | (13123108) |
| 397220.74 | 3870026.18 | 90.93517 | (13123108) | 397270.74 | 3870026.18 | 87.87630 | (13123108) |
| 395270.74 | 3870076.18 | 68.12301 | (12120508) | 395320.74 | 3870076.18 | 70.09635 | (12120508) |
| 395370.74 | 3870076.18 | 72.13110 | (12120508) | 395420.74 | 3870076.18 | 75.02430 | (12120508) |
| 395470.74 | 3870076.18 | 83.81504 | (12120508) | 395520.74 | 3870076.18 | 85.89226 | (12120508) |
| 395570.74 | 3870076.18 | 87.24236 | (12120508) | 395620.74 | 3870076.18 | 88.05656 | (12120508) |
| 395670.74 | 3870076.18 | 86.45364 | (12120508) | 395720.74 | 3870076.18 | 83.19786 | (12120508) |
| 395770.74 | 3870076.18 | 90.20880 | (13011508) | 395820.74 | 3870076.18 | 114.47240 | (13011508) |
| 395870.74 | 3870076.18 | 124.81025 | (13011508) | 395920.74 | 3870076.18 | 125.79980 | (13011508) |
| 395970.74 | 3870076.18 | 171.50306 | (13020508) | 396020.74 | 3870076.18 | 204.76769 | (13020508) |
| 396070.74 | 3870076.18 | 223.16525 | (13020508) | 396120.74 | 3870076.18 | 233.03166 | (13020508) |
| 396170.74 | 3870076.18 | 238.51187 | (13020508) | 396220.74 | 3870076.18 | 241.26212 | (13020508) |
| 396270.74 | 3870076.18 | 242.11095 | (13020508) | 396320.74 | 3870076.18 | 242.41204 | (13020508) |
| 396370.74 | 3870076.18 | 242.86600 | (13020508) | 396420.74 | 3870076.18 | 242.89387 | (13020508) |
| 396470.74 | 3870076.18 | 242.90893 | (13020508) | 396520.74 | 3870076.18 | 242.88668 | (13020508) |

396570.74 3870076.18 242.76700 (13020508)
396620.74 3870076.18 242.17483 (13020508)
396670.74 3870076.18 244.03879 (13020108)
396720.74 3870076.18 241.08093 (13020108)
396770.74 3870076.18 243.72676 (13020108)
396820.74 3870076.18 242.15333 (13020108)
396870.74 3870076.18 229.07585 (13020108)
396920.74 3870076.18 206.96508 (13020108)
396970.74 3870076.18 183.06155 (13020108)
397020.74 3870076.18 160.27911 (13020108)
397070.74 3870076.18 138.09878 (13020108)
397120.74 3870076.18 117.28215 (13020108)
397170.74 3870076.18 99.39630 (13020108)
397220.74 3870076.18 90.42920 (13123108)
397270.74 3870076.18 87.77570 (13123108)
395270.74 3870126.18 66.38687 (12120508)
395320.74 3870126.18 69.65904 (12120508)
395370.74 3870126.18 71.20483 (12120508)
395420.74 3870126.18 72.36583 (12120508)
395470.74 3870126.18 73.49323 (12120508)
395520.74 3870126.18 78.48758 (12120508)
395570.74 3870126.18 77.05182 (12120508)
395620.74 3870126.18 74.43193 (12120508)
395670.74 3870126.18 71.11064 (12120508)
395720.74 3870126.18 75.18473 (10011108)
395770.74 3870126.18 92.81699 (13011508)
395820.74 3870126.18 110.63923 (13011508)
395870.74 3870126.18 117.99402 (13011508)
395920.74 3870126.18 119.33779 (13011508)
395970.74 3870126.18 156.44821 (13020508)
396020.74 3870126.18 190.00750 (13020508)
396070.74 3870126.18 210.86798 (13020508)
396120.74 3870126.18 221.86508 (13020508)
396170.74 3870126.18 227.49305 (13020508)
396220.74 3870126.18 230.75570 (13020508)
396270.74 3870126.18 232.55000 (13020508)
396320.74 3870126.18 232.96759 (13020508)
396370.74 3870126.18 233.11835 (13020508)
396420.74 3870126.18 233.52791 (13020508)
396470.74 3870126.18 233.54651 (13020508)
396520.74 3870126.18 233.52362 (13020508)
396570.74 3870126.18 233.38357 (13020508)
396620.74 3870126.18 232.72435 (13020508)
396670.74 3870126.18 229.89463 (13020508)
396720.74 3870126.18 232.34375 (13020108)
396770.74 3870126.18 235.21511 (13020108)
396820.74 3870126.18 235.30208 (13020108)
396870.74 3870126.18 226.07666 (13020108)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396920.74 | 3870126.18 | 211.18313 | (13020108) | 396970.74 | 3870126.18 | 190.66217 | (13020108) |
| 397020.74 | 3870126.18 | 168.95759 | (13020108) | 397070.74 | 3870126.18 | 147.12771 | (13020108) |
| 397120.74 | 3870126.18 | 126.30638 | (13020108) | 397170.74 | 3870126.18 | 108.37664 | (13020108) |
| 397220.74 | 3870126.18 | 91.50834 | (13020108) | 397270.74 | 3870126.18 | 86.25690 | (13123108) |
| 395270.74 | 3870176.18 | 65.09246 | (12120508) | 395320.74 | 3870176.18 | 65.82443 | (12120508) |
| 395370.74 | 3870176.18 | 67.46461 | (12120508) | 395420.74 | 3870176.18 | 66.83599 | (12120508) |
| 395470.74 | 3870176.18 | 65.01632 | (12120508) | 395520.74 | 3870176.18 | 63.55056 | (12120508) |
| 395570.74 | 3870176.18 | 64.84599 | (12120508) | 395620.74 | 3870176.18 | 64.29360 | (10011108) |
| 395670.74 | 3870176.18 | 69.20784 | (10011108) | 395720.74 | 3870176.18 | 74.25375 | (13011508) |
| 395770.74 | 3870176.18 | 93.76965 | (13011508) | 395820.74 | 3870176.18 | 107.09673 | (13011508) |
| 395870.74 | 3870176.18 | 111.97043 | (13011508) | 395920.74 | 3870176.18 | 113.47399 | (13011508) |
| 395970.74 | 3870176.18 | 142.10064 | (13020508) | 396020.74 | 3870176.18 | 175.77055 | (13020508) |
| 396070.74 | 3870176.18 | 198.60484 | (13020508) | 396120.74 | 3870176.18 | 210.71834 | (13020508) |
| 396170.74 | 3870176.18 | 217.15908 | (13020508) | 396220.74 | 3870176.18 | 220.43523 | (13020508) |
| 396270.74 | 3870176.18 | 222.43088 | (13020508) | 396320.74 | 3870176.18 | 223.49736 | (13020508) |
| 396370.74 | 3870176.18 | 223.70194 | (13020508) | 396420.74 | 3870176.18 | 223.77030 | (13020508) |

396470.74 3870176.18 223.93700 (13020508)
396520.74 3870176.18 224.12110 (13020508)
396570.74 3870176.18 223.95647 (13020508)
396620.74 3870176.18 223.23394 (13020508)
396670.74 3870176.18 220.26024 (13020508)
396720.74 3870176.18 217.03532 (13020108)
396770.74 3870176.18 221.36826 (13020108)
396820.74 3870176.18 224.11642 (13020108)
396870.74 3870176.18 222.98873 (13020108)
396920.74 3870176.18 211.42764 (13020108)
396970.74 3870176.18 195.29281 (13020108)
397020.74 3870176.18 176.29172 (13020108)
397070.74 3870176.18 155.82244 (13020108)
397120.74 3870176.18 134.95481 (13020108)
397170.74 3870176.18 117.11575 (13020108)
397220.74 3870176.18 100.62394 (13020108)
397270.74 3870176.18 84.91510 (13020108)
395270.74 3870226.18 61.69727 (12120508)
395320.74 3870226.18 60.81652 (12120508)
395370.74 3870226.18 59.08947 (12120508)
395420.74 3870226.18 58.23879 (12120508)
395470.74 3870226.18 55.27695 (12120508)
395520.74 3870226.18 52.02901 (12120508)
395570.74 3870226.18 57.02829 (10011108)
395620.74 3870226.18 64.60556 (10011108)
395670.74 3870226.18 67.12374 (10011108)
395720.74 3870226.18 76.34614 (13011508)
395770.74 3870226.18 93.45676 (13011508)
395820.74 3870226.18 103.40649 (13011508)
395870.74 3870226.18 106.70525 (13011508)
395920.74 3870226.18 108.20414 (13011508)
395970.74 3870226.18 128.92432 (13020508)
396020.74 3870226.18 163.00412 (13020508)
396070.74 3870226.18 185.18868 (13020508)
396120.74 3870226.18 200.00529 (13020508)
396170.74 3870226.18 207.28348 (13020508)
396220.74 3870226.18 211.10036 (13020508)
396270.74 3870226.18 212.81764 (13020508)
396320.74 3870226.18 213.99772 (13020508)
396370.74 3870226.18 214.82929 (13020508)
396420.74 3870226.18 214.92767 (13020508)
396470.74 3870226.18 214.94982 (13020508)
396520.74 3870226.18 214.94413 (13020508)
396570.74 3870226.18 215.05948 (13020508)
396620.74 3870226.18 214.28465 (13020508)
396670.74 3870226.18 211.20138 (13020508)
396720.74 3870226.18 202.39541 (13020108)
396770.74 3870226.18 207.57234 (13020108)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396820.74 | 3870226.18 | 211.36173 | (13020108) | 396870.74 | 3870226.18 | 212.77636 | (13020108) |
| 396920.74 | 3870226.18 | 209.34272 | (13020108) | 396970.74 | 3870226.18 | 196.26461 | (13020108) |
| 397020.74 | 3870226.18 | 181.25519 | (13020108) | 397070.74 | 3870226.18 | 163.58154 | (13020108) |
| 397120.74 | 3870226.18 | 143.04616 | (13020108) | 397170.74 | 3870226.18 | 125.50740 | (13020108) |
| 397220.74 | 3870226.18 | 109.56902 | (13020108) | 397270.74 | 3870226.18 | 93.67001 | (13020108) |
| 395270.74 | 3870276.18 | 54.25763 | (12120508) | 395320.74 | 3870276.18 | 53.34191 | (12120508) |
| 395370.74 | 3870276.18 | 50.61635 | (12120508) | 395420.74 | 3870276.18 | 48.35250 | (12120508) |
| 395470.74 | 3870276.18 | 47.67081 | (10011108) | 395520.74 | 3870276.18 | 52.60442 | (10011108) |
| 395570.74 | 3870276.18 | 57.42037 | (10011108) | 395620.74 | 3870276.18 | 63.30377 | (10011108) |
| 395670.74 | 3870276.18 | 63.98467 | (10011108) | 395720.74 | 3870276.18 | 78.11432 | (13011508) |
| 395770.74 | 3870276.18 | 92.30957 | (13011508) | 395820.74 | 3870276.18 | 99.79025 | (13011508) |
| 395870.74 | 3870276.18 | 102.23635 | (13011508) | 395920.74 | 3870276.18 | 102.70756 | (13011508) |
| 395970.74 | 3870276.18 | 117.05896 | (13020508) | 396020.74 | 3870276.18 | 150.97209 | (13020508) |
| 396070.74 | 3870276.18 | 174.08771 | (13020508) | 396120.74 | 3870276.18 | 189.55931 | (13020508) |
| 396170.74 | 3870276.18 | 197.93842 | (13020508) | 396220.74 | 3870276.18 | 202.22630 | (13020508) |
| 396270.74 | 3870276.18 | 204.40496 | (13020508) | 396320.74 | 3870276.18 | 205.33547 | (13020508) |

396370.74 3870276.18 206.08329 (13020508)
396420.74 3870276.18 206.74432 (13020508)
396470.74 3870276.18 206.78435 (13020508)
396520.74 3870276.18 206.75117 (13020508)
396570.74 3870276.18 206.54433 (13020508)
396620.74 3870276.18 205.84748 (13020508)
396670.74 3870276.18 202.70567 (13020508)
396720.74 3870276.18 192.54990 (13020508)
396770.74 3870276.18 194.22008 (13020108)
396820.74 3870276.18 198.96694 (13020108)
396870.74 3870276.18 201.99976 (13020108)
396920.74 3870276.18 201.79566 (13020108)
396970.74 3870276.18 196.53932 (13020108)
397020.74 3870276.18 183.82489 (13020108)
397070.74 3870276.18 168.78854 (13020108)
397120.74 3870276.18 152.23850 (13020108)
397170.74 3870276.18 134.77673 (13020108)
397220.74 3870276.18 118.15547 (13020108)
397270.74 3870276.18 102.11880 (13020108)
395270.74 3870326.18 46.58124 (12120508)
395320.74 3870326.18 43.83080 (12120508)
395370.74 3870326.18 42.02076 (12120508)
395420.74 3870326.18 44.09395 (10011108)
395470.74 3870326.18 49.87081 (10011108)
395520.74 3870326.18 54.01421 (10011108)
395570.74 3870326.18 56.61753 (10011108)
395620.74 3870326.18 58.13316 (10011108)
395670.74 3870326.18 64.64435 (13011508)
395720.74 3870326.18 79.03184 (13011508)
395770.74 3870326.18 90.66123 (13011508)
395820.74 3870326.18 96.34986 (13011508)
395870.74 3870326.18 98.20018 (13011508)
395920.74 3870326.18 98.54310 (13011508)
395970.74 3870326.18 105.89867 (13020508)
396020.74 3870326.18 139.75900 (13020508)
396070.74 3870326.18 163.60583 (13020508)
396120.74 3870326.18 178.79920 (13020508)
396170.74 3870326.18 189.12595 (13020508)
396220.74 3870326.18 194.02119 (13020508)
396270.74 3870326.18 196.58239 (13020508)
396320.74 3870326.18 197.73987 (13020508)
396370.74 3870326.18 198.23568 (13020508)
396420.74 3870326.18 198.85653 (13020508)
396470.74 3870326.18 199.27849 (13020508)
396520.74 3870326.18 199.24469 (13020508)
396570.74 3870326.18 199.01539 (13020508)
396620.74 3870326.18 198.11367 (13020508)
396670.74 3870326.18 194.94597 (13020508)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396720.74 | 3870326.18 | 185.51149 | (13020508) | 396770.74 | 3870326.18 | 181.47892 | (13020108) |
| 396820.74 | 3870326.18 | 186.97225 | (13020108) | 396870.74 | 3870326.18 | 191.13594 | (13020108) |
| 396920.74 | 3870326.18 | 193.04336 | (13020108) | 396970.74 | 3870326.18 | 191.27169 | (13020108) |
| 397020.74 | 3870326.18 | 184.77281 | (13020108) | 397070.74 | 3870326.18 | 173.25545 | (13020108) |
| 397120.74 | 3870326.18 | 157.61031 | (13020108) | 397170.74 | 3870326.18 | 142.04708 | (13020108) |
| 397220.74 | 3870326.18 | 126.38203 | (13020108) | 397270.74 | 3870326.18 | 110.27145 | (13020108) |
| 395270.74 | 3870376.18 | 38.12384 | (12120508) | 395320.74 | 3870376.18 | 36.71246 | (10011108) |
| 395370.74 | 3870376.18 | 41.62813 | (10011108) | 395420.74 | 3870376.18 | 46.26266 | (10011108) |
| 395470.74 | 3870376.18 | 50.21425 | (10011108) | 395520.74 | 3870376.18 | 54.14103 | (10011108) |
| 395570.74 | 3870376.18 | 55.13031 | (10011108) | 395620.74 | 3870376.18 | 54.76823 | (10011108) |
| 395670.74 | 3870376.18 | 64.23029 | (13011508) | 395720.74 | 3870376.18 | 79.26129 | (13011508) |
| 395770.74 | 3870376.18 | 88.72426 | (13011508) | 395820.74 | 3870376.18 | 93.11135 | (13011508) |
| 395870.74 | 3870376.18 | 94.53219 | (13011508) | 395920.74 | 3870376.18 | 94.80001 | (13011508) |
| 395970.74 | 3870376.18 | 96.15732 | (13020508) | 396020.74 | 3870376.18 | 129.36251 | (13020508) |
| 396070.74 | 3870376.18 | 153.67337 | (13020508) | 396120.74 | 3870376.18 | 169.76166 | (13020508) |
| 396170.74 | 3870376.18 | 180.05738 | (13020508) | 396220.74 | 3870376.18 | 186.30072 | (13020508) |

396270.74 3870376.18 189.27563 (13020508)
396320.74 3870376.18 190.68644 (13020508)
396370.74 3870376.18 191.31762 (13020508)
396420.74 3870376.18 191.57865 (13020508)
396470.74 3870376.18 191.98222 (13020508)
396520.74 3870376.18 192.33700 (13020508)
396570.74 3870376.18 192.08512 (13020508)
396620.74 3870376.18 191.13211 (13020508)
396670.74 3870376.18 187.96729 (13020508)
396720.74 3870376.18 179.12239 (13020508)
396770.74 3870376.18 171.17438 (13120208)
396820.74 3870376.18 175.42198 (13020108)
396870.74 3870376.18 180.36198 (13020108)
396920.74 3870376.18 183.60500 (13020108)
396970.74 3870376.18 184.25543 (13020108)
397020.74 3870376.18 181.28891 (13020108)
397070.74 3870376.18 173.91642 (13020108)
397120.74 3870376.18 162.78845 (13020108)
397170.74 3870376.18 148.02690 (13020108)
397220.74 3870376.18 133.42610 (13020108)
397270.74 3870376.18 118.29306 (13020108)
395270.74 3870426.18 34.04379 (10011108)
395320.74 3870426.18 38.97406 (10011108)
395370.74 3870426.18 42.94669 (10011108)
395420.74 3870426.18 47.88428 (10011108)
395470.74 3870426.18 50.67229 (10011108)
395520.74 3870426.18 52.78066 (10011108)
395570.74 3870426.18 52.97350 (10011108)
395620.74 3870426.18 51.98795 (10011108)
395670.74 3870426.18 65.84970 (13011508)
395720.74 3870426.18 78.96500 (13011508)
395770.74 3870426.18 86.01610 (13011508)
395820.74 3870426.18 89.95055 (13011508)
395870.74 3870426.18 91.18284 (13011508)
395920.74 3870426.18 91.38143 (13011508)
395970.74 3870426.18 91.29852 (13011508)
396020.74 3870426.18 119.18597 (13020508)
396070.74 3870426.18 144.28644 (13020508)
396120.74 3870426.18 161.14993 (13020508)
396170.74 3870426.18 171.73981 (13020508)
396220.74 3870426.18 178.29329 (13020508)
396270.74 3870426.18 182.17701 (13020508)
396320.74 3870426.18 184.11706 (13020508)
396370.74 3870426.18 184.90594 (13020508)
396420.74 3870426.18 185.24516 (13020508)
396470.74 3870426.18 185.36648 (13020508)
396520.74 3870426.18 185.58529 (13020508)
396570.74 3870426.18 185.61256 (13020508)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396620.74 | 3870426.18 | 184.70840 | (13020508) | 396670.74 | 3870426.18 | 181.57358 | (13020508) |
| 396720.74 | 3870426.18 | 173.29032 | (13020508) | 396770.74 | 3870426.18 | 162.40995 | (13120208) |
| 396820.74 | 3870426.18 | 165.70988 | (13120208) | 396870.74 | 3870426.18 | 169.84780 | (13020108) |
| 396920.74 | 3870426.18 | 174.14568 | (13020108) | 396970.74 | 3870426.18 | 176.46715 | (13020108) |
| 397020.74 | 3870426.18 | 175.92086 | (13020108) | 397070.74 | 3870426.18 | 171.84325 | (13020108) |
| 397120.74 | 3870426.18 | 163.91388 | (13020108) | 397170.74 | 3870426.18 | 152.54535 | (13020108) |
| 397220.74 | 3870426.18 | 138.36699 | (13020108) | 397270.74 | 3870426.18 | 125.27822 | (13020108) |
| 395270.74 | 3870476.18 | 36.22409 | (10011108) | 395320.74 | 3870476.18 | 39.95565 | (10011108) |
| 395370.74 | 3870476.18 | 44.63830 | (10011108) | 395420.74 | 3870476.18 | 47.88757 | (10011108) |
| 395470.74 | 3870476.18 | 50.09478 | (10011108) | 395520.74 | 3870476.18 | 50.19472 | (10011108) |
| 395570.74 | 3870476.18 | 50.50244 | (10011108) | 395620.74 | 3870476.18 | 54.39261 | (13011508) |
| 395670.74 | 3870476.18 | 66.00989 | (13011508) | 395720.74 | 3870476.18 | 75.58213 | (13011508) |
| 395770.74 | 3870476.18 | 83.97651 | (13011508) | 395820.74 | 3870476.18 | 86.61130 | (13011508) |
| 395870.74 | 3870476.18 | 87.62849 | (13011508) | 395920.74 | 3870476.18 | 88.23801 | (13011508) |
| 395970.74 | 3870476.18 | 88.10120 | (13011508) | 396020.74 | 3870476.18 | 110.14041 | (13020508) |
| 396070.74 | 3870476.18 | 135.10187 | (13020508) | 396120.74 | 3870476.18 | 152.95017 | (13020508) |

396170.74 3870476.18 164.29587 (13020508)
396220.74 3870476.18 171.11251 (13020508)
396270.74 3870476.18 174.91539 (13020508)
396320.74 3870476.18 177.67966 (13020508)
396370.74 3870476.18 178.94822 (13020508)
396420.74 3870476.18 179.38169 (13020508)
396470.74 3870476.18 179.54642 (13020508)
396520.74 3870476.18 179.53437 (13020508)
396570.74 3870476.18 179.24939 (13020508)
396620.74 3870476.18 178.69723 (13020508)
396670.74 3870476.18 175.70410 (13020508)
396720.74 3870476.18 167.94427 (13020508)
396770.74 3870476.18 153.85988 (13120208)
396820.74 3870476.18 157.79112 (13120208)
396870.74 3870476.18 160.52236 (13120208)
396920.74 3870476.18 164.63267 (13020108)
396970.74 3870476.18 168.21157 (13020108)
397020.74 3870476.18 169.55162 (13020108)
397070.74 3870476.18 167.93869 (13020108)
397120.74 3870476.18 163.01775 (13020108)
397170.74 3870476.18 154.70681 (13020108)
397220.74 3870476.18 143.79310 (13020108)
397270.74 3870476.18 131.19422 (13020108)
395270.74 3870526.18 38.26604 (10011108)
395320.74 3870526.18 41.68216 (10011108)
395370.74 3870526.18 45.58865 (10011108)
395420.74 3870526.18 47.21159 (10011108)
395470.74 3870526.18 48.71784 (10011108)
395520.74 3870526.18 48.09526 (10011108)
395570.74 3870526.18 47.25564 (10011108)
395620.74 3870526.18 56.77026 (13011508)
395670.74 3870526.18 66.91885 (13011508)
395720.74 3870526.18 73.93678 (13011508)
395770.74 3870526.18 81.94409 (13011508)
395820.74 3870526.18 84.02948 (13011508)
395870.74 3870526.18 84.68763 (13011508)
395920.74 3870526.18 85.32903 (13011508)
395970.74 3870526.18 85.12443 (13011508)
396020.74 3870526.18 102.31971 (13020508)
396070.74 3870526.18 126.16622 (13020508)
396120.74 3870526.18 144.81226 (13020508)
396170.74 3870526.18 157.15595 (13020508)
396220.74 3870526.18 164.64099 (13020508)
396270.74 3870526.18 168.93107 (13020508)
396320.74 3870526.18 171.35552 (13020508)
396370.74 3870526.18 172.56709 (13020508)
396420.74 3870526.18 173.92334 (13020508)
396470.74 3870526.18 174.14804 (13020508)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396520.74 | 3870526.18 | 174.15360 | (13020508) | 396570.74 | 3870526.18 | 173.85572 | (13020508) |
| 396620.74 | 3870526.18 | 172.80707 | (13020508) | 396670.74 | 3870526.18 | 170.29075 | (13020508) |
| 396720.74 | 3870526.18 | 163.02240 | (13020508) | 396770.74 | 3870526.18 | 148.84530 | (13020508) |
| 396820.74 | 3870526.18 | 150.01996 | (13120208) | 396870.74 | 3870526.18 | 153.40205 | (13120208) |
| 396920.74 | 3870526.18 | 155.45726 | (13120208) | 396970.74 | 3870526.18 | 159.67421 | (13020108) |
| 397020.74 | 3870526.18 | 162.45057 | (13020108) | 397070.74 | 3870526.18 | 162.84780 | (13020108) |
| 397120.74 | 3870526.18 | 160.32113 | (13020108) | 397170.74 | 3870526.18 | 154.73589 | (13020108) |
| 397220.74 | 3870526.18 | 146.21107 | (13020108) | 397270.74 | 3870526.18 | 135.47965 | (13020108) |
| 395270.74 | 3870576.18 | 40.00393 | (10011108) | 395320.74 | 3870576.18 | 42.79356 | (10011108) |
| 395370.74 | 3870576.18 | 45.65166 | (10011108) | 395420.74 | 3870576.18 | 46.21499 | (10011108) |
| 395470.74 | 3870576.18 | 46.86054 | (10011108) | 395520.74 | 3870576.18 | 45.76120 | (10011108) |
| 395570.74 | 3870576.18 | 46.30976 | (13011508) | 395620.74 | 3870576.18 | 58.66135 | (13011508) |
| 395670.74 | 3870576.18 | 67.31066 | (13011508) | 395720.74 | 3870576.18 | 72.14820 | (13011508) |
| 395770.74 | 3870576.18 | 79.94990 | (13011508) | 395820.74 | 3870576.18 | 81.60549 | (13011508) |
| 395870.74 | 3870576.18 | 82.10521 | (13011508) | 395920.74 | 3870576.18 | 82.28473 | (13011508) |
| 395970.74 | 3870576.18 | 82.33236 | (13011508) | 396020.74 | 3870576.18 | 95.18280 | (13020508) |

396070.74 3870576.18 118.56074 (13020508)
396120.74 3870576.18 136.67741 (13020508)
396170.74 3870576.18 149.41884 (13020508)
396220.74 3870576.18 157.73285 (13020508)
396270.74 3870576.18 163.23652 (13020508)
396320.74 3870576.18 166.00093 (13020508)
396370.74 3870576.18 167.38850 (13020508)
396420.74 3870576.18 168.25756 (13020508)
396470.74 3870576.18 168.61502 (13020508)
396520.74 3870576.18 169.15019 (13020508)
396570.74 3870576.18 168.84769 (13020508)
396620.74 3870576.18 167.78452 (13020508)
396670.74 3870576.18 164.84947 (13020508)
396720.74 3870576.18 158.16730 (13020508)
396770.74 3870576.18 145.36458 (13020508)
396820.74 3870576.18 142.33564 (13120208)
396870.74 3870576.18 146.35245 (13120208)
396920.74 3870576.18 149.13230 (13120208)
396970.74 3870576.18 151.01002 (13020108)
397020.74 3870576.18 154.89800 (13020108)
397070.74 3870576.18 156.85285 (13020108)
397120.74 3870576.18 156.35380 (13020108)
397170.74 3870576.18 153.07492 (13020108)
397220.74 3870576.18 146.93620 (13020108)
397270.74 3870576.18 138.30681 (13020108)
395270.74 3870626.18 41.20910 (10011108)
395320.74 3870626.18 43.07597 (10011108)
395370.74 3870626.18 44.61421 (10011108)
395420.74 3870626.18 44.68530 (10011108)
395470.74 3870626.18 43.78015 (10011108)
395520.74 3870626.18 43.26005 (10011108)
395570.74 3870626.18 48.62097 (13011508)
395620.74 3870626.18 59.55880 (13011508)
395670.74 3870626.18 67.29120 (13011508)
395720.74 3870626.18 71.02435 (13011508)
395770.74 3870626.18 72.37648 (13011508)
395820.74 3870626.18 74.52697 (13011508)
395870.74 3870626.18 79.68706 (13011508)
395920.74 3870626.18 79.61248 (13011508)
395970.74 3870626.18 79.64796 (13011508)
396020.74 3870626.18 88.67667 (13020508)
396070.74 3870626.18 111.45942 (13020508)
396120.74 3870626.18 129.72921 (13020508)
396170.74 3870626.18 142.84166 (13020508)
396220.74 3870626.18 151.47219 (13020508)
396270.74 3870626.18 156.74543 (13020508)
396320.74 3870626.18 160.19047 (13020508)
396370.74 3870626.18 162.23671 (13020508)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396420.74 | 3870626.18 | 163.35450 | (13020508) | 396470.74 | 3870626.18 | 163.71156 | (13020508) |
| 396520.74 | 3870626.18 | 163.76811 | (13020508) | 396570.74 | 3870626.18 | 163.46652 | (13020508) |
| 396620.74 | 3870626.18 | 162.89031 | (13020508) | 396670.74 | 3870626.18 | 160.05620 | (13020508) |
| 396720.74 | 3870626.18 | 153.86958 | (13020508) | 396770.74 | 3870626.18 | 141.97258 | (13020508) |
| 396820.74 | 3870626.18 | 134.48558 | (13120208) | 396870.74 | 3870626.18 | 139.27078 | (13120208) |
| 396920.74 | 3870626.18 | 142.78787 | (13120208) | 396970.74 | 3870626.18 | 144.86477 | (13120208) |
| 397020.74 | 3870626.18 | 147.04919 | (13020108) | 397070.74 | 3870626.18 | 150.23432 | (13020108) |
| 397120.74 | 3870626.18 | 151.38717 | (13020108) | 397170.74 | 3870626.18 | 150.09242 | (13020108) |
| 397220.74 | 3870626.18 | 146.12839 | (13020108) | 397270.74 | 3870626.18 | 139.61352 | (13020108) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD ( 43872 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| GROUP ID | | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | OF TYPE | NETWORK GRID-ID |
|---|---|---|---|---|---|
| ALL | 1ST HIGHEST VALUE IS | 1.22876 | AT ( 396361.79, 3869511.46, 774.00, 774.00, 0.00) | GC | UCART1 |
| | 2ND HIGHEST VALUE IS | 1.22365 | AT ( 396211.79, 3869511.46, 775.00, 775.00, 0.00) | GC | UCART1 |
| | 3RD HIGHEST VALUE IS | 1.22313 | AT ( 396211.79, 3869661.46, 776.00, 776.00, 0.00) | GC | UCART1 |
| | 4TH HIGHEST VALUE IS | 1.21420 | AT ( 396361.79, 3869361.46, 774.00, 774.00, 0.00) | GC | UCART1 |
| | 5TH HIGHEST VALUE IS | 1.20383 | AT ( 396511.79, 3869511.46, 773.30, 773.30, 0.00) | GC | UCART1 |
| | 6TH HIGHEST VALUE IS | 1.19947 | AT ( 396361.79, 3869661.46, 774.30, 774.30, 0.00) | GC | UCART1 |
| | 7TH HIGHEST VALUE IS | 1.19661 | AT ( 396511.79, 3869661.46, 774.00, 774.00, 0.00) | GC | UCART1 |
| | 8TH HIGHEST VALUE IS | 1.18444 | AT ( 396211.79, 3869361.46, 774.00, 774.00, 0.00) | GC | UCART1 |
| | 9TH HIGHEST VALUE IS | 1.17438 | AT ( 396511.79, 3869361.46, 773.00, 773.00, 0.00) | GC | UCART1 |
| | 10TH HIGHEST VALUE IS | 1.16383 | AT ( 396061.79, 3869511.46, 776.10, 776.10, 0.00) | GC | UCART1 |

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** THE SUMMARY OF
HIGHEST 1-HR RESULTS ***

** CONC OF PM_10 IN
MICROGRAMS/M**3 **

DATE
NETWORK
GROUP ID AVERAGE CONC (YYMMDDHH)
RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL HIGH 1ST HIGH VALUE IS 284.48469 ON 12121908: AT (
395820.74, 3868976.18, 776.10, 776.10, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            0 Warning Message(s)
 A Total of         8029 Informational Message(s)

 A Total of        43872 Hours Were Processed

 A Total of         5748 Calm Hours Identified

 A Total of         2281 Missing Hours Identified (  5.20 Percent)


    ******** FATAL ERROR MESSAGES ********
                ***  NONE  ***


    ********   WARNING MESSAGES   ********
                ***  NONE  ***


    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
```

# AERMOD Outputs

## *Operations*

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 2/7/2018
** File: C:\Lakes\AERMOD View\EAFB_Solar_Ops\EAFB_Solar_Ops.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\EAFB_Solar\EAFB_Solar.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL EAFB_Solar_Ops.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION AREA1        AREA       395860.579  3869879.650      778.000
** Source Parameters **
   SRCPARAM AREA1        0.0002441406     5.000    64.000    64.000
0.000     1.200

** Variable Emissions Type: "By Month / Hour / Seven Days (MHRDOW7)"
** Variable Emission Scenario: "Scenario 1"
** Month = January;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = February;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = March;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = April;  Day of Week = Monday
```

```
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = May;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT AREA1        MHRDOW7 1.0 1.0 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = June;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = July;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = August;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = September;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = October;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = November;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = December;  Day of Week = Monday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = January;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = February;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = March;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = April;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = May;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT AREA1        MHRDOW7 1.0 1.0 0.0 1.0 1.0 1.0 1.0 0.0
```

```
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = June;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = July;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = August;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = September;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = October;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = November;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = December;  Day of Week = Tuesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = January;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = February;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = March;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = April;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = May;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT AREA1        MHRDOW7 1.0 1.0 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = June;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = July;  Day of Week = Wednesday
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   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = August;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = September;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = October;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = November;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = December;  Day of Week = Wednesday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = January;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = February;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = March;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = April;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = May;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = June;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = July;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = August;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = September;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = October;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = November;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = December;  Day of Week = Thursday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = January;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = February;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = March;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = April;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = May;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = June;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = July;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = August;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = September;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = October;  Day of Week = Friday
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   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = November;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = December;  Day of Week = Friday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = January;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = February;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = March;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = April;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = May;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = June;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = July;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = August;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = September;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = October;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = November;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = December;  Day of Week = Saturday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = January;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = February;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = March;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = April;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = May;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = June;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = July;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = August;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = September;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = October;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = November;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Month = December;  Day of Week = Sunday
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        MHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
```

```
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED EAFB_Solar_Ops.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "723810 - Edwards AFB MetData - CARB\723810.SFC"
   PROFFILE "723810 - Edwards AFB MetData - CARB\723810.PFL"
   SURFDATA 23114 2009
   UAIRDATA 3190 2009
   PROFBASE 704.4 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST EAFB_SOLAR_OPS.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL EAFB_SOLAR_OPS.AD\PE00GALL.PLT 32
   SUMMFILE EAFB_Solar_Ops.sum
OU FINISHED

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************
```

```
 *** AERMOD - VERSION 16216r ***   *** C:\Lakes\AERMOD
View\EAFB_Solar\EAFB_Solar.isc                      ***        02/07/18
 *** AERMET - VERSION  14134 ***   ***
***        13:21:41

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                                              ***     MODEL SETUP OPTIONS
SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.

 **Other Options Specified:
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:      1 Source(s);       1 Source Group(s); and
1339 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      1 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.
```

```
 **The AERMET Input Meteorological Data Version Date:  14134

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor
(RECTABLE Keyword)
          Model Outputs External File(s) of High Values for Plotting
(PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values
(SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for
Calm Hours
                                                                  m for
Missing Hours
                                                                  b for
Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   704.40 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC
;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.7 MB of RAM.

 **Detailed Error/Message File:   EAFB_Solar_Ops.err
 **File for Summary of Results:   EAFB_Solar_Ops.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** AREA SOURCE DATA ***

| SOURCE ID | NUMBER OF AREA CATS. | EMISSION RATE PART. (GRAMS/SEC /METER**2) | COORD (SW CORNER) X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | X-DIM OF AREA (METERS) | Y-DIM OF AREA (METERS) | ORIENT. OF AREA (DEG.) | INIT. SZ (METERS) | URBAN SOURCE BY | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AREA1 | 0 | 0.24414E-03 | 395860.6 | 3869879.6 | 778.0 | 5.00 | 64.00 | 64.00 | 0.00 | 1.20 | NO | MHRDOW7 |

*** MODELOPTs:  RegDFAULT  CONC  ELEV  RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|---|---|
| ALL | AREA1 , |

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                  * SOURCE EMISSION RATE SCALARS WHICH VARY MONTHLY,
DIURNALLY AND BY DAY OF WEEK (MHRDOW7) *

 SOURCE ID = AREA1        ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                              MONTH = JANUARY  ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = FEBRUARY ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = MARCH    ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = APRIL    ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = MAY      ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .1000E+01    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .0000E+00   12  .1000E+01   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;  DAY OF
WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW7) *

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                              MONTH = JANUARY  ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = FEBRUARY ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = MARCH    ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = APRIL    ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = MAY      ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .1000E+01    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .0000E+00   12  .1000E+01   13
.1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;  DAY OF
WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
```

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW7) *

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

MONTH = JANUARY ; DAY OF WEEK = WEDNESDY

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 |
| 8 | .0000E+00 | 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 |
| 15 | .0000E+00 | 16 | .0000E+00 | 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 | | | | | | | | |

MONTH = FEBRUARY ; DAY OF WEEK = WEDNESDY

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 |
| 8 | .0000E+00 | 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 |
| 15 | .0000E+00 | 16 | .0000E+00 | 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 | | | | | | | | |

MONTH = MARCH ; DAY OF WEEK = WEDNESDY

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 |
| 8 | .0000E+00 | 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 |
| 15 | .0000E+00 | 16 | .0000E+00 | 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 | | | | | | | | |

MONTH = APRIL ; DAY OF WEEK = WEDNESDY

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 |
| 8 | .0000E+00 | 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 |
| 15 | .0000E+00 | 16 | .0000E+00 | 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 | | | | | | | | |

MONTH = MAY ; DAY OF WEEK = WEDNESDY

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .1000E+01 |
| 8 | .1000E+01 | 9 | .1000E+01 | 10 | .1000E+01 | 11 | .0000E+00 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 |
| 15 | .1000E+01 | 16 | .0000E+00 | | | | | | | | | | |

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;  DAY OF
WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
```

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW7) *

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                              MONTH = JANUARY  ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = FEBRUARY ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = MARCH    ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = APRIL    ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = MAY      ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;  DAY OF
WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
```

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW7) *

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                              MONTH = JANUARY  ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = FEBRUARY ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = MARCH    ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = APRIL    ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              MONTH = MAY      ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;  DAY OF
WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
```

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW7) *

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                               MONTH = JANUARY  ;  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                               MONTH = FEBRUARY ;  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                               MONTH = MARCH    ;  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                               MONTH = APRIL    ;  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                               MONTH = MAY      ;  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;  DAY OF
WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
```

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW7) *

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                              MONTH = JANUARY  ;  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                              MONTH = FEBRUARY ;  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                              MONTH = MARCH    ;  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                              MONTH = APRIL    ;  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                              MONTH = MAY      ;  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13
.0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21
.0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;  DAY OF
WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5
.0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
```

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

394711.8, 394861.8, 395011.8, 395161.8, 395311.8, 395461.8, 395611.8, 395761.8, 395911.8, 396061.8,
396211.8, 396361.8, 396511.8, 396661.8, 396811.8, 396961.8, 397111.8, 397261.8, 397411.8, 397561.8,
397711.8,

*** Y-COORDINATES OF GRID ***
(METERS)

3868011.5, 3868161.5, 3868311.5, 3868461.5, 3868611.5, 3868761.5, 3868911.5, 3869061.5, 3869211.5, 3869361.5,
3869511.5, 3869661.5, 3869811.5, 3869961.5, 3870111.5, 3870261.5, 3870411.5, 3870561.5, 3870711.5, 3870861.5,
3871011.5,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 394711.79 | 394861.79 | 395011.79 | 395161.79 | 395311.79 | 395461.79 | 395611.79 | 395761.79 | 395911.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 790.40 | 790.00 | 788.30 | 786.30 | 786.00 | 785.00 | 784.10 | 784.00 | 783.00 |
| 3870861.46 | 791.00 | 790.00 | 788.00 | 786.00 | 785.00 | 784.40 | 784.00 | 783.00 | 782.00 |
| 3870711.46 | 792.00 | 790.90 | 788.30 | 786.00 | 785.00 | 784.00 | 783.00 | 782.00 | 781.00 |
| 3870561.46 | 804.10 | 799.10 | 794.80 | 786.00 | 785.00 | 783.30 | 782.10 | 781.30 | 780.40 |
| 3870411.46 | 804.70 | 799.60 | 801.90 | 786.60 | 784.30 | 783.00 | 782.00 | 781.00 | 780.00 |
| 3870261.46 | 786.30 | 786.00 | 786.00 | 785.00 | 783.10 | 782.00 | 781.00 | 780.30 | 780.00 |
| 3870111.46 | 785.40 | 785.00 | 784.10 | 783.10 | 782.10 | 781.40 | 781.00 | 780.00 | 779.00 |
| 3869961.46 | 785.00 | 784.00 | 783.00 | 782.30 | 781.40 | 780.30 | 780.00 | 779.00 | 778.40 |
| 3869811.46 | 784.10 | 784.00 | 783.00 | 782.00 | 781.00 | 780.00 | 779.00 | 778.40 | 778.00 |
| 3869661.46 | 784.00 | 783.30 | 783.00 | 781.30 | 780.20 | 780.00 | 779.00 | 778.00 | 777.00 |
| 3869511.46 | 784.00 | 783.10 | 782.30 | 781.00 | 780.00 | 779.30 | 778.30 | 777.30 | 777.00 |
| 3869361.46 | 784.00 | 783.00 | 782.00 | 781.00 | 780.00 | 779.00 | 778.00 | 777.00 | 777.00 |
| 3869211.46 | 784.00 | 783.00 | 782.00 | 780.40 | 780.00 | 779.00 | 778.00 | 777.00 | 776.00 |
| 3869061.46 | 784.00 | 783.00 | 781.30 | 780.00 | 779.30 | 779.00 | 778.00 | 777.00 | 776.00 |
| 3868911.46 | 784.00 | 783.00 | 781.90 | 780.90 | 779.30 | 778.30 | 777.10 | 776.40 | 776.00 |
| 3868761.46 | 784.00 | 783.00 | 781.30 | 780.00 | 779.10 | 778.00 | 777.00 | 776.00 | 776.00 |

3868611.46 | 784.00 782.40 781.00 780.00
779.00 777.30 776.00 774.30 774.00
3868461.46 | 784.00 782.30 781.00 780.00
778.40 777.00 775.10 774.00 773.00
3868311.46 | 784.00 782.00 780.10 779.30
778.00 776.30 774.30 774.00 773.00
3868161.46 | 783.30 782.00 781.00 779.10
778.00 776.00 774.30 773.30 772.10
3868011.46 | 783.30 782.00 780.30 779.00
777.30 775.30 774.10 773.00 772.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 396061.79 | 396211.79 | 396361.79 | 396511.79 | 396661.79 | 396811.79 | 396961.79 | 397111.79 | 397261.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 782.00 | 782.00 | 781.00 | 781.00 | 780.00 | 780.00 | 779.00 | 779.00 | 778.80 |
| 3870861.46 | 781.10 | 781.00 | 781.00 | 780.00 | 780.00 | 779.00 | 779.00 | 778.00 | 778.20 |
| 3870711.46 | 781.00 | 780.00 | 780.00 | 779.40 | 779.10 | 778.40 | 778.00 | 778.00 | 777.30 |
| 3870561.46 | 780.00 | 779.20 | 779.00 | 778.10 | 778.00 | 777.00 | 777.00 | 777.00 | 776.60 |
| 3870411.46 | 779.00 | 778.40 | 778.00 | 777.40 | 777.00 | 777.00 | 777.00 | 776.00 | 775.70 |
| 3870261.46 | 779.00 | 778.00 | 777.40 | 777.00 | 776.20 | 776.20 | 776.00 | 775.00 | 774.60 |
| 3870111.46 | 778.00 | 777.40 | 777.00 | 776.00 | 776.00 | 775.20 | 775.00 | 774.00 | 773.90 |
| 3869961.46 | 778.00 | 777.00 | 776.00 | 775.10 | 774.00 | 774.40 | 774.00 | 774.00 | 773.00 |
| 3869811.46 | 777.00 | 776.00 | 775.30 | 774.10 | 774.00 | 774.00 | 773.40 | 773.00 | 772.10 |
| 3869661.46 | 777.00 | 776.00 | 774.30 | 774.00 | 773.00 | 773.00 | 772.00 | 771.00 | 771.50 |
| 3869511.46 | 776.10 | 775.00 | 774.00 | 773.30 | 773.00 | 772.00 | 771.00 | 771.00 | 770.90 |
| 3869361.46 | 775.30 | 774.00 | 774.00 | 773.00 | 772.00 | 771.00 | 771.00 | 770.40 | 770.20 |
| 3869211.46 | 775.00 | 774.00 | 773.10 | 772.10 | 771.00 | 770.40 | 770.00 | 769.20 | 769.60 |
| 3869061.46 | 774.30 | 773.30 | 772.10 | 771.00 | 771.00 | 770.00 | 769.10 | 769.00 | 769.40 |
| 3868911.46 | 774.00 | 773.00 | 771.00 | 771.00 | 770.10 | 770.00 | 769.00 | 769.00 | 768.50 |
| 3868761.46 | 783.70 | 784.40 | 772.10 | 771.00 | 770.00 | 769.00 | 769.00 | 768.20 | 767.80 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3868611.46 | \| | 779.10 | 781.70 | 773.40 | 771.30 | 769.40 | 768.10 | 768.00 | 768.00 | 767.00 |
| 3868461.46 | \| | 772.20 | 772.20 | 772.10 | 770.10 | 769.00 | 768.00 | 767.00 | 766.40 | 766.40 |
| 3868311.46 | \| | 770.90 | 771.00 | 770.40 | 769.10 | 768.00 | 767.10 | 766.40 | 766.00 | 765.80 |
| 3868161.46 | \| | 771.00 | 770.00 | 770.00 | 769.00 | 767.30 | 766.00 | 766.00 | 766.00 | 765.40 |
| 3868011.46 | \| | 771.00 | 770.00 | 770.00 | 769.00 | 767.90 | 766.00 | 766.00 | 765.10 | 765.00 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 397411.79 | 397561.79 | 397711.79 |
|---|---|---|---|
| 3871011.46 | 778.20 | 777.20 | 776.90 |
| 3870861.46 | 777.20 | 777.30 | 776.70 |
| 3870711.46 | 777.00 | 776.60 | 776.00 |
| 3870561.46 | 776.10 | 776.00 | 775.50 |
| 3870411.46 | 775.20 | 775.20 | 774.60 |
| 3870261.46 | 774.10 | 774.30 | 774.00 |
| 3870111.46 | 773.60 | 773.60 | 773.00 |
| 3869961.46 | 772.70 | 772.40 | 771.60 |
| 3869811.46 | 771.80 | 771.50 | 770.90 |
| 3869661.46 | 771.10 | 771.10 | 770.60 |
| 3869511.46 | 771.10 | 770.40 | 769.90 |
| 3869361.46 | 770.00 | 769.70 | 769.30 |
| 3869211.46 | 769.10 | 768.80 | 768.50 |
| 3869061.46 | 768.40 | 767.90 | 767.90 |
| 3868911.46 | 768.20 | 767.60 | 766.90 |
| 3868761.46 | 767.30 | 766.60 | 766.00 |
| 3868611.46 | 766.30 | 765.40 | 765.10 |
| 3868461.46 | 765.70 | 765.00 | 764.70 |
| 3868311.46 | 765.40 | 765.00 | 764.70 |
| 3868161.46 | 765.00 | 765.00 | 764.70 |
| 3868011.46 | 765.00 | 765.00 | 764.70 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 394711.79 | 394861.79 | 395011.79 | 395161.79 | 395311.79 | 395461.79 | 395611.79 | 395761.79 | 395911.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870861.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870711.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870561.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870411.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870261.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3870111.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3869961.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3869811.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3869661.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3869511.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 |
| 3869361.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 777.00 |
| 3869211.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1273.00 | 776.00 |
| 3869061.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 777.00 | 776.00 |
| 3868911.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 777.10 | 776.40 | 776.00 |
| 3868761.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1245.00 | 777.00 | 776.00 | 802.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3868611.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 777.30 | 776.00 | 774.30 | 802.00 |
| 3868461.46 | 1275.00 | 1275.00 | 1275.00 | 1275.00 | 778.40 | 777.00 | 775.10 | 774.00 | 773.00 |
| 3868311.46 | 1275.00 | 1275.00 | 1275.00 | 779.30 | 778.00 | 776.30 | 774.30 | 774.00 | 773.00 |
| 3868161.46 | 1275.00 | 1245.00 | 781.00 | 779.10 | 778.00 | 776.00 | 774.30 | 773.30 | 772.10 |
| 3868011.46 | 1245.00 | 782.00 | 780.30 | 779.00 | 777.30 | 775.30 | 774.10 | 773.00 | 772.00 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 396061.79 | 396211.79 | 396361.79 | 396511.79 | 396661.79 | 396811.79 | 396961.79 | 397111.79 | 397261.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 1275.00 | 1275.00 | 1275.00 | 781.00 | 780.00 | 780.00 | 779.00 | 779.00 | 778.80 |
| 3870861.46 | 1275.00 | 1275.00 | 781.00 | 780.00 | 780.00 | 779.00 | 779.00 | 778.00 | 778.20 |
| 3870711.46 | 1275.00 | 1275.00 | 780.00 | 779.40 | 779.10 | 778.40 | 778.00 | 778.00 | 777.30 |
| 3870561.46 | 1275.00 | 1275.00 | 779.00 | 778.10 | 778.00 | 777.00 | 777.00 | 777.00 | 776.60 |
| 3870411.46 | 1275.00 | 1275.00 | 778.00 | 777.40 | 777.00 | 777.00 | 777.00 | 776.00 | 775.70 |
| 3870261.46 | 1275.00 | 1275.00 | 777.40 | 777.00 | 776.20 | 776.20 | 776.00 | 775.00 | 774.60 |
| 3870111.46 | 1275.00 | 777.40 | 777.00 | 776.00 | 776.00 | 775.20 | 775.00 | 774.00 | 773.90 |
| 3869961.46 | 1275.00 | 777.00 | 776.00 | 775.10 | 774.00 | 774.40 | 774.00 | 774.00 | 773.00 |
| 3869811.46 | 1275.00 | 776.00 | 775.30 | 774.10 | 774.00 | 774.00 | 773.40 | 773.00 | 772.10 |
| 3869661.46 | 777.00 | 776.00 | 774.30 | 774.00 | 773.00 | 773.00 | 772.00 | 771.00 | 771.50 |
| 3869511.46 | 776.10 | 775.00 | 774.00 | 773.30 | 773.00 | 772.00 | 771.00 | 771.00 | 770.90 |
| 3869361.46 | 775.30 | 774.00 | 774.00 | 773.00 | 772.00 | 771.00 | 771.00 | 770.40 | 770.20 |
| 3869211.46 | 775.00 | 774.00 | 773.10 | 772.10 | 771.00 | 770.40 | 770.00 | 769.20 | 769.60 |
| 3869061.46 | 774.30 | 773.30 | 772.10 | 771.00 | 771.00 | 770.00 | 769.10 | 769.00 | 769.40 |
| 3868911.46 | 802.00 | 802.00 | 802.00 | 771.00 | 770.10 | 770.00 | 769.00 | 769.00 | 768.50 |
| 3868761.46 | 802.00 | 802.00 | 802.00 | 771.00 | 770.00 | 769.00 | 769.00 | 768.20 | 767.80 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3868611.46 | \| | 802.00 | 802.00 | 802.00 | 771.30 | 769.40 | 768.10 | 768.00 | 768.00 | 767.00 |
| 3868461.46 | \| | 802.00 | 802.00 | 772.10 | 770.10 | 769.00 | 768.00 | 767.00 | 766.40 | 766.40 |
| 3868311.46 | \| | 770.90 | 771.00 | 770.40 | 769.10 | 768.00 | 767.10 | 766.40 | 766.00 | 765.80 |
| 3868161.46 | \| | 771.00 | 770.00 | 770.00 | 769.00 | 767.30 | 766.00 | 766.00 | 766.00 | 765.40 |
| 3868011.46 | \| | 771.00 | 770.00 | 770.00 | 769.00 | 767.90 | 766.00 | 766.00 | 765.10 | 765.00 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 397411.79 | 397561.79 | 397711.79 |
|---|---|---|---|
| 3871011.46 | 778.20 | 777.20 | 776.90 |
| 3870861.46 | 777.20 | 777.30 | 776.70 |
| 3870711.46 | 777.00 | 776.60 | 776.00 |
| 3870561.46 | 776.10 | 776.00 | 775.50 |
| 3870411.46 | 775.20 | 775.20 | 774.60 |
| 3870261.46 | 774.10 | 774.30 | 774.00 |
| 3870111.46 | 773.60 | 773.60 | 773.00 |
| 3869961.46 | 772.70 | 772.40 | 771.60 |
| 3869811.46 | 771.80 | 771.50 | 770.90 |
| 3869661.46 | 771.10 | 771.10 | 770.60 |
| 3869511.46 | 771.10 | 770.40 | 769.90 |
| 3869361.46 | 770.00 | 769.70 | 769.30 |
| 3869211.46 | 769.10 | 768.80 | 768.50 |
| 3869061.46 | 768.40 | 767.90 | 767.90 |
| 3868911.46 | 768.20 | 767.60 | 766.90 |
| 3868761.46 | 767.30 | 766.60 | 766.00 |
| 3868611.46 | 766.30 | 765.40 | 765.10 |
| 3868461.46 | 765.70 | 765.00 | 764.70 |
| 3868311.46 | 765.40 | 765.00 | 764.70 |
| 3868161.46 | 765.00 | 765.00 | 764.70 |
| 3868011.46 | 765.00 | 765.00 | 764.70 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395270.7, 3868626.2,     779.0,    1275.0,       0.0);         (
395320.7, 3868626.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3868626.2,     778.2,    1245.0,       0.0);         (
395420.7, 3868626.2,     778.0,     778.0,       0.0);
     ( 395470.7, 3868626.2,     777.0,     777.0,       0.0);         (
395520.7, 3868626.2,     777.0,     777.0,       0.0);
     ( 395570.7, 3868626.2,     776.4,     776.4,       0.0);         (
395620.7, 3868626.2,     776.0,     776.0,       0.0);
     ( 395670.7, 3868626.2,     775.2,     775.2,       0.0);         (
395720.7, 3868626.2,     775.0,     775.0,       0.0);
     ( 395770.7, 3868626.2,     774.0,     774.0,       0.0);         (
395820.7, 3868626.2,     774.0,     774.0,       0.0);
     ( 395270.7, 3868676.2,     779.2,    1275.0,       0.0);         (
395320.7, 3868676.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3868676.2,     778.5,    1275.0,       0.0);         (
395420.7, 3868676.2,     778.0,     778.0,       0.0);
     ( 395470.7, 3868676.2,     778.0,     778.0,       0.0);         (
395520.7, 3868676.2,     777.0,     777.0,       0.0);
     ( 395570.7, 3868676.2,     776.8,     776.8,       0.0);         (
395620.7, 3868676.2,     776.0,     776.0,       0.0);
     ( 395670.7, 3868676.2,     775.5,     775.5,       0.0);         (
395720.7, 3868676.2,     775.0,     775.0,       0.0);
     ( 395770.7, 3868676.2,     774.0,     774.0,       0.0);         (
395820.7, 3868676.2,     774.4,     774.4,       0.0);
     ( 395270.7, 3868726.2,     779.6,    1275.0,       0.0);         (
395320.7, 3868726.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3868726.2,     779.0,    1275.0,       0.0);         (
395420.7, 3868726.2,     778.0,    1273.0,       0.0);
     ( 395470.7, 3868726.2,     778.0,     778.0,       0.0);         (
395520.7, 3868726.2,     777.3,     777.3,       0.0);
     ( 395570.7, 3868726.2,     777.0,     777.0,       0.0);         (
395620.7, 3868726.2,     776.0,     776.0,       0.0);
     ( 395670.7, 3868726.2,     776.0,     776.0,       0.0);         (
395720.7, 3868726.2,     775.6,     775.6,       0.0);
     ( 395770.7, 3868726.2,     775.0,     775.0,       0.0);         (
395820.7, 3868726.2,     775.0,     775.0,       0.0);
     ( 395270.7, 3868776.2,     779.9,    1275.0,       0.0);         (
395320.7, 3868776.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3868776.2,     779.0,    1275.0,       0.0);         (
395420.7, 3868776.2,     778.6,    1275.0,       0.0);
```

( 395470.7, 3868776.2, 778.0, 1245.0, 0.0); (
395520.7, 3868776.2, 777.8, 777.8, 0.0);
( 395570.7, 3868776.2, 777.0, 777.0, 0.0); (
395620.7, 3868776.2, 777.0, 777.0, 0.0);
( 395670.7, 3868776.2, 776.2, 776.2, 0.0); (
395720.7, 3868776.2, 776.0, 776.0, 0.0);
( 395770.7, 3868776.2, 776.0, 776.0, 0.0); (
395820.7, 3868776.2, 775.7, 775.7, 0.0);
( 395270.7, 3868826.2, 780.0, 1275.0, 0.0); (
395320.7, 3868826.2, 779.0, 1275.0, 0.0);
( 395370.7, 3868826.2, 779.0, 1275.0, 0.0); (
395420.7, 3868826.2, 778.8, 1275.0, 0.0);
( 395470.7, 3868826.2, 778.0, 1275.0, 0.0); (
395520.7, 3868826.2, 778.0, 1245.0, 0.0);
( 395570.7, 3868826.2, 777.0, 777.0, 0.0); (
395620.7, 3868826.2, 777.0, 777.0, 0.0);
( 395670.7, 3868826.2, 776.5, 776.5, 0.0); (
395720.7, 3868826.2, 776.0, 776.0, 0.0);
( 395770.7, 3868826.2, 776.0, 776.0, 0.0); (
395820.7, 3868826.2, 776.0, 776.0, 0.0);
( 395270.7, 3868876.2, 780.0, 1275.0, 0.0); (
395320.7, 3868876.2, 779.0, 1275.0, 0.0);
( 395370.7, 3868876.2, 779.0, 1275.0, 0.0); (
395420.7, 3868876.2, 779.0, 1275.0, 0.0);
( 395470.7, 3868876.2, 778.0, 1275.0, 0.0); (
395520.7, 3868876.2, 778.0, 1275.0, 0.0);
( 395570.7, 3868876.2, 777.6, 777.6, 0.0); (
395620.7, 3868876.2, 777.0, 777.0, 0.0);
( 395670.7, 3868876.2, 777.0, 777.0, 0.0); (
395720.7, 3868876.2, 776.6, 776.6, 0.0);
( 395770.7, 3868876.2, 776.0, 776.0, 0.0); (
395820.7, 3868876.2, 776.0, 776.0, 0.0);
( 395270.7, 3868926.2, 780.0, 1275.0, 0.0); (
395320.7, 3868926.2, 779.0, 1275.0, 0.0);
( 395370.7, 3868926.2, 779.0, 1275.0, 0.0); (
395420.7, 3868926.2, 779.0, 1275.0, 0.0);
( 395470.7, 3868926.2, 778.0, 1275.0, 0.0); (
395520.7, 3868926.2, 778.0, 1275.0, 0.0);
( 395570.7, 3868926.2, 777.9, 1273.0, 0.0); (
395620.7, 3868926.2, 777.0, 777.0, 0.0);
( 395670.7, 3868926.2, 777.0, 777.0, 0.0); (
395720.7, 3868926.2, 777.0, 777.0, 0.0);
( 395770.7, 3868926.2, 776.7, 776.7, 0.0); (
395820.7, 3868926.2, 776.0, 776.0, 0.0);
( 395270.7, 3868976.2, 780.0, 1275.0, 0.0); (
395320.7, 3868976.2, 779.0, 1275.0, 0.0);
( 395370.7, 3868976.2, 779.0, 1275.0, 0.0); (
395420.7, 3868976.2, 779.0, 1275.0, 0.0);
( 395470.7, 3868976.2, 778.0, 1275.0, 0.0); (
395520.7, 3868976.2, 778.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395570.7, 3868976.2,     778.0,    1275.0,       0.0);         (
395620.7, 3868976.2,     778.0,    1245.0,       0.0);
     ( 395670.7, 3868976.2,     777.0,     777.0,       0.0);         (
395720.7, 3868976.2,     777.0,     777.0,       0.0);
     ( 395770.7, 3868976.2,     777.0,     777.0,       0.0);         (
395820.7, 3868976.2,     776.1,     776.1,       0.0);
     ( 395270.7, 3869026.2,     780.0,    1275.0,       0.0);         (
395320.7, 3869026.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3869026.2,     779.0,    1275.0,       0.0);         (
395420.7, 3869026.2,     779.0,    1275.0,       0.0);
     ( 395470.7, 3869026.2,     778.0,    1275.0,       0.0);         (
395520.7, 3869026.2,     778.0,    1275.0,       0.0);
     ( 395570.7, 3869026.2,     778.0,    1275.0,       0.0);         (
395620.7, 3869026.2,     778.0,    1275.0,       0.0);
     ( 395670.7, 3869026.2,     777.3,     777.3,       0.0);         (
395720.7, 3869026.2,     777.0,     777.0,       0.0);
     ( 395770.7, 3869026.2,     777.0,     777.0,       0.0);         (
395820.7, 3869026.2,     776.3,     776.3,       0.0);
     ( 395270.7, 3869076.2,     780.0,    1275.0,       0.0);         (
395320.7, 3869076.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3869076.2,     779.0,    1275.0,       0.0);         (
395420.7, 3869076.2,     779.0,    1275.0,       0.0);
     ( 395470.7, 3869076.2,     779.0,    1275.0,       0.0);         (
395520.7, 3869076.2,     778.0,    1275.0,       0.0);
     ( 395570.7, 3869076.2,     778.0,    1275.0,       0.0);         (
395620.7, 3869076.2,     778.0,    1275.0,       0.0);
     ( 395670.7, 3869076.2,     778.0,    1273.0,       0.0);         (
395720.7, 3869076.2,     777.0,     777.0,       0.0);
     ( 395770.7, 3869076.2,     777.0,     777.0,       0.0);         (
395820.7, 3869076.2,     776.3,     776.3,       0.0);
     ( 395270.7, 3869126.2,     780.0,    1275.0,       0.0);         (
395320.7, 3869126.2,     779.0,    1275.0,       0.0);
     ( 395370.7, 3869126.2,     779.0,    1275.0,       0.0);         (
395420.7, 3869126.2,     779.0,    1275.0,       0.0);
     ( 395470.7, 3869126.2,     779.0,    1275.0,       0.0);         (
395520.7, 3869126.2,     778.0,    1275.0,       0.0);
     ( 395570.7, 3869126.2,     778.0,    1275.0,       0.0);         (
395620.7, 3869126.2,     778.0,    1275.0,       0.0);
     ( 395670.7, 3869126.2,     778.0,    1275.0,       0.0);         (
395720.7, 3869126.2,     777.2,    1245.0,       0.0);
```

( 395770.7, 3869126.2, 777.0, 777.0, 0.0); (
395820.7, 3869126.2, 776.5, 776.5, 0.0);
( 395270.7, 3869176.2, 780.0, 1275.0, 0.0); (
395320.7, 3869176.2, 779.0, 1275.0, 0.0);
( 395370.7, 3869176.2, 779.0, 1275.0, 0.0); (
395420.7, 3869176.2, 779.0, 1275.0, 0.0);
( 395470.7, 3869176.2, 779.0, 1275.0, 0.0); (
395520.7, 3869176.2, 778.3, 1275.0, 0.0);
( 395570.7, 3869176.2, 778.0, 1275.0, 0.0); (
395620.7, 3869176.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869176.2, 778.0, 1275.0, 0.0); (
395720.7, 3869176.2, 777.6, 1275.0, 0.0);
( 395770.7, 3869176.2, 777.0, 777.0, 0.0); (
395820.7, 3869176.2, 777.0, 777.0, 0.0);
( 395270.7, 3869226.2, 780.0, 1275.0, 0.0); (
395320.7, 3869226.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869226.2, 779.2, 1275.0, 0.0); (
395420.7, 3869226.2, 779.0, 1275.0, 0.0);
( 395470.7, 3869226.2, 779.0, 1275.0, 0.0); (
395520.7, 3869226.2, 778.3, 1275.0, 0.0);
( 395570.7, 3869226.2, 778.0, 1275.0, 0.0); (
395620.7, 3869226.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869226.2, 778.0, 1275.0, 0.0); (
395720.7, 3869226.2, 777.6, 1275.0, 0.0);
( 395770.7, 3869226.2, 777.0, 1273.0, 0.0); (
395820.7, 3869226.2, 777.0, 777.0, 0.0);
( 395270.7, 3869276.2, 780.0, 1275.0, 0.0); (
395320.7, 3869276.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869276.2, 779.5, 1275.0, 0.0); (
395420.7, 3869276.2, 779.0, 1275.0, 0.0);
( 395470.7, 3869276.2, 779.0, 1275.0, 0.0); (
395520.7, 3869276.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869276.2, 778.0, 1275.0, 0.0); (
395620.7, 3869276.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869276.2, 778.0, 1275.0, 0.0); (
395720.7, 3869276.2, 777.4, 1275.0, 0.0);
( 395770.7, 3869276.2, 777.0, 1275.0, 0.0); (
395820.7, 3869276.2, 777.0, 777.0, 0.0);
( 395270.7, 3869326.2, 780.0, 1275.0, 0.0); (
395320.7, 3869326.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869326.2, 780.0, 1275.0, 0.0); (
395420.7, 3869326.2, 779.0, 1275.0, 0.0);
( 395470.7, 3869326.2, 779.0, 1275.0, 0.0); (
395520.7, 3869326.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869326.2, 778.0, 1275.0, 0.0); (
395620.7, 3869326.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869326.2, 778.0, 1275.0, 0.0); (
395720.7, 3869326.2, 777.0, 1275.0, 0.0);
( 395770.7, 3869326.2, 777.0, 1275.0, 0.0); (
395820.7, 3869326.2, 777.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395270.7, 3869376.2, 780.0, 1275.0, 0.0); ( 395320.7, 3869376.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869376.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869376.2, 779.6, 1275.0, 0.0);
( 395470.7, 3869376.2, 779.0, 1275.0, 0.0); ( 395520.7, 3869376.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869376.2, 778.4, 1275.0, 0.0); ( 395620.7, 3869376.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869376.2, 778.0, 1275.0, 0.0); ( 395720.7, 3869376.2, 777.4, 1275.0, 0.0);
( 395770.7, 3869376.2, 777.0, 1275.0, 0.0); ( 395820.7, 3869376.2, 777.0, 1275.0, 0.0);
( 395270.7, 3869426.2, 780.2, 1275.0, 0.0); ( 395320.7, 3869426.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869426.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869426.2, 779.8, 1275.0, 0.0);
( 395470.7, 3869426.2, 779.0, 1275.0, 0.0); ( 395520.7, 3869426.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869426.2, 778.6, 1275.0, 0.0); ( 395620.7, 3869426.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869426.2, 778.0, 1275.0, 0.0); ( 395720.7, 3869426.2, 777.6, 1275.0, 0.0);
( 395770.7, 3869426.2, 777.0, 1275.0, 0.0); ( 395820.7, 3869426.2, 777.0, 1275.0, 0.0);
( 395270.7, 3869476.2, 780.0, 1275.0, 0.0); ( 395320.7, 3869476.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869476.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869476.2, 780.0, 1275.0, 0.0);
( 395470.7, 3869476.2, 779.0, 1275.0, 0.0); ( 395520.7, 3869476.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869476.2, 779.0, 1275.0, 0.0); ( 395620.7, 3869476.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869476.2, 778.0, 1275.0, 0.0); ( 395720.7, 3869476.2, 777.6, 1275.0, 0.0);
( 395770.7, 3869476.2, 777.0, 1275.0, 0.0); ( 395820.7, 3869476.2, 777.0, 1275.0, 0.0);
( 395270.7, 3869526.2, 780.0, 1275.0, 0.0); ( 395320.7, 3869526.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869526.2, 780.0, 1275.0, 0.0); ( 395420.7, 3869526.2, 780.0, 1275.0, 0.0);

( 395470.7, 3869526.2, 779.0, 1275.0, 0.0); (
395520.7, 3869526.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869526.2, 779.0, 1275.0, 0.0); (
395620.7, 3869526.2, 778.0, 1275.0, 0.0);
( 395670.7, 3869526.2, 778.0, 1275.0, 0.0); (
395720.7, 3869526.2, 778.0, 1275.0, 0.0);
( 395770.7, 3869526.2, 777.0, 1275.0, 0.0); (
395820.7, 3869526.2, 777.0, 1275.0, 0.0);
( 395270.7, 3869576.2, 780.8, 1275.0, 0.0); (
395320.7, 3869576.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869576.2, 780.0, 1275.0, 0.0); (
395420.7, 3869576.2, 780.0, 1275.0, 0.0);
( 395470.7, 3869576.2, 779.0, 1275.0, 0.0); (
395520.7, 3869576.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869576.2, 779.0, 1275.0, 0.0); (
395620.7, 3869576.2, 779.0, 1275.0, 0.0);
( 395670.7, 3869576.2, 778.0, 1275.0, 0.0); (
395720.7, 3869576.2, 778.0, 1275.0, 0.0);
( 395770.7, 3869576.2, 778.0, 1275.0, 0.0); (
395820.7, 3869576.2, 777.0, 1275.0, 0.0);
( 395270.7, 3869626.2, 781.0, 1275.0, 0.0); (
395320.7, 3869626.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869626.2, 780.0, 1275.0, 0.0); (
395420.7, 3869626.2, 780.0, 1275.0, 0.0);
( 395470.7, 3869626.2, 780.0, 1275.0, 0.0); (
395520.7, 3869626.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869626.2, 779.0, 1275.0, 0.0); (
395620.7, 3869626.2, 779.0, 1275.0, 0.0);
( 395670.7, 3869626.2, 778.3, 1275.0, 0.0); (
395720.7, 3869626.2, 778.0, 1275.0, 0.0);
( 395770.7, 3869626.2, 778.0, 1275.0, 0.0); (
395820.7, 3869626.2, 777.3, 1275.0, 0.0);
( 395270.7, 3869676.2, 780.7, 1275.0, 0.0); (
395320.7, 3869676.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869676.2, 780.0, 1275.0, 0.0); (
395420.7, 3869676.2, 780.0, 1275.0, 0.0);
( 395470.7, 3869676.2, 780.0, 1275.0, 0.0); (
395520.7, 3869676.2, 779.0, 1275.0, 0.0);
( 395570.7, 3869676.2, 779.0, 1275.0, 0.0); (
395620.7, 3869676.2, 779.0, 1275.0, 0.0);
( 395670.7, 3869676.2, 778.8, 1275.0, 0.0); (
395720.7, 3869676.2, 778.0, 1275.0, 0.0);
( 395770.7, 3869676.2, 778.0, 1275.0, 0.0); (
395820.7, 3869676.2, 777.8, 1275.0, 0.0);
( 395270.7, 3869726.2, 780.0, 1275.0, 0.0); (
395320.7, 3869726.2, 780.0, 1275.0, 0.0);
( 395370.7, 3869726.2, 780.0, 1275.0, 0.0); (
395420.7, 3869726.2, 780.0, 1275.0, 0.0);
( 395470.7, 3869726.2, 780.0, 1275.0, 0.0); (
395520.7, 3869726.2, 779.3, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 395570.7, 3869726.2,     779.0,    1275.0,       0.0);         (
395620.7, 3869726.2,     779.0,    1275.0,       0.0);
     ( 395670.7, 3869726.2,     779.0,    1275.0,       0.0);         (
395720.7, 3869726.2,     778.2,    1275.0,       0.0);
     ( 395770.7, 3869726.2,     778.0,    1275.0,       0.0);         (
395820.7, 3869726.2,     778.0,    1275.0,       0.0);
     ( 395270.7, 3869776.2,     780.6,    1275.0,       0.0);         (
395320.7, 3869776.2,     781.0,    1275.0,       0.0);
     ( 395370.7, 3869776.2,     780.0,    1275.0,       0.0);         (
395420.7, 3869776.2,     780.0,    1275.0,       0.0);
     ( 395470.7, 3869776.2,     780.0,    1275.0,       0.0);         (
395520.7, 3869776.2,     780.0,    1275.0,       0.0);
     ( 395570.7, 3869776.2,     779.0,    1275.0,       0.0);         (
395620.7, 3869776.2,     779.0,    1275.0,       0.0);
     ( 395670.7, 3869776.2,     779.0,    1275.0,       0.0);         (
395720.7, 3869776.2,     778.6,    1275.0,       0.0);
     ( 395770.7, 3869776.2,     778.0,    1275.0,       0.0);         (
395820.7, 3869776.2,     778.0,    1275.0,       0.0);
     ( 395270.7, 3869826.2,     781.0,    1275.0,       0.0);         (
395320.7, 3869826.2,     781.0,    1275.0,       0.0);
     ( 395370.7, 3869826.2,     780.2,    1275.0,       0.0);         (
395420.7, 3869826.2,     780.0,    1275.0,       0.0);
     ( 395470.7, 3869826.2,     780.0,    1275.0,       0.0);         (
395520.7, 3869826.2,     780.0,    1275.0,       0.0);
     ( 395570.7, 3869826.2,     779.4,    1275.0,       0.0);         (
395620.7, 3869826.2,     779.0,    1275.0,       0.0);
     ( 395670.7, 3869826.2,     779.0,    1275.0,       0.0);         (
395720.7, 3869826.2,     779.0,    1275.0,       0.0);
     ( 395770.7, 3869826.2,     778.7,    1275.0,       0.0);         (
395820.7, 3869826.2,     778.0,    1275.0,       0.0);
     ( 395270.7, 3869876.2,     781.0,    1275.0,       0.0);         (
395320.7, 3869876.2,     781.0,    1275.0,       0.0);
     ( 395370.7, 3869876.2,     781.0,    1275.0,       0.0);         (
395420.7, 3869876.2,     780.6,    1275.0,       0.0);
     ( 395470.7, 3869876.2,     780.0,    1275.0,       0.0);         (
395520.7, 3869876.2,     780.0,    1275.0,       0.0);
     ( 395570.7, 3869876.2,     780.0,    1275.0,       0.0);         (
395620.7, 3869876.2,     779.3,    1275.0,       0.0);
     ( 395670.7, 3869876.2,     779.0,    1275.0,       0.0);         (
395720.7, 3869876.2,     779.0,    1275.0,       0.0);
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( 395770.7, 3869876.2, 779.0, 1275.0, 0.0); ( 395820.7, 3869876.2, 778.5, 1275.0, 0.0);
( 395270.7, 3869926.2, 781.6, 1275.0, 0.0); ( 395320.7, 3869926.2, 781.0, 1275.0, 0.0);
( 395370.7, 3869926.2, 781.0, 1275.0, 0.0); ( 395420.7, 3869926.2, 781.0, 1275.0, 0.0);
( 395470.7, 3869926.2, 780.0, 1275.0, 0.0); ( 395520.7, 3869926.2, 780.0, 1275.0, 0.0);
( 395570.7, 3869926.2, 780.0, 1275.0, 0.0); ( 395620.7, 3869926.2, 780.0, 1275.0, 0.0);
( 395670.7, 3869926.2, 779.3, 1275.0, 0.0); ( 395720.7, 3869926.2, 779.0, 1275.0, 0.0);
( 395770.7, 3869926.2, 779.0, 1275.0, 0.0); ( 395820.7, 3869926.2, 779.0, 1275.0, 0.0);
( 395270.7, 3869976.2, 782.0, 1275.0, 0.0); ( 395320.7, 3869976.2, 781.7, 1275.0, 0.0);
( 395370.7, 3869976.2, 781.0, 1275.0, 0.0); ( 395420.7, 3869976.2, 781.0, 1275.0, 0.0);
( 395470.7, 3869976.2, 780.0, 1275.0, 0.0); ( 395520.7, 3869976.2, 780.0, 1275.0, 0.0);
( 395570.7, 3869976.2, 780.0, 1275.0, 0.0); ( 395620.7, 3869976.2, 780.0, 1275.0, 0.0);
( 395670.7, 3869976.2, 780.0, 1275.0, 0.0); ( 395720.7, 3869976.2, 779.4, 1275.0, 0.0);
( 395770.7, 3869976.2, 779.0, 1275.0, 0.0); ( 395820.7, 3869976.2, 779.0, 1275.0, 0.0);
( 395870.7, 3869976.2, 779.0, 1275.0, 0.0); ( 395920.7, 3869976.2, 778.7, 1275.0, 0.0);
( 395970.7, 3869976.2, 778.0, 1275.0, 0.0); ( 396020.7, 3869976.2, 778.0, 1275.0, 0.0);
( 396070.7, 3869976.2, 778.0, 1275.0, 0.0); ( 396120.7, 3869976.2, 777.2, 1275.0, 0.0);
( 396170.7, 3869976.2, 777.0, 777.0, 0.0); ( 396220.7, 3869976.2, 777.0, 777.0, 0.0);
( 396270.7, 3869976.2, 776.2, 776.2, 0.0); ( 396320.7, 3869976.2, 776.0, 776.0, 0.0);
( 396370.7, 3869976.2, 776.0, 776.0, 0.0); ( 396420.7, 3869976.2, 776.0, 776.0, 0.0);
( 396470.7, 3869976.2, 775.9, 775.9, 0.0); ( 396520.7, 3869976.2, 775.0, 775.0, 0.0);
( 396570.7, 3869976.2, 775.0, 775.0, 0.0); ( 396620.7, 3869976.2, 774.4, 774.4, 0.0);
( 396668.3, 3869988.3, 774.0, 774.0, 0.0); ( 396718.3, 3869988.3, 774.1, 774.1, 0.0);
( 396768.3, 3869988.3, 775.0, 775.0, 0.0); ( 396818.3, 3869988.3, 775.0, 775.0, 0.0);
( 396868.3, 3869993.1, 774.1, 774.1, 0.0); ( 396918.3, 3869993.1, 774.0, 774.0, 0.0);
( 396968.3, 3869993.1, 774.0, 774.0, 0.0); ( 397018.3, 3869993.1, 774.2, 774.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 397068.3, 3869993.1,     774.0,     774.0,       0.0);         (
397118.3, 3869993.1,     774.0,     774.0,       0.0);
     ( 397168.3, 3869993.1,     774.0,     774.0,       0.0);         (
397218.3, 3869993.1,     773.3,     773.3,       0.0);
     ( 397268.3, 3869993.1,     773.3,     773.3,       0.0);         (
395270.7, 3870026.2,     782.0,    1275.0,       0.0);
     ( 395320.7, 3870026.2,     782.0,    1275.0,       0.0);         (
395370.7, 3870026.2,     781.5,    1275.0,       0.0);
     ( 395420.7, 3870026.2,     781.0,    1275.0,       0.0);         (
395470.7, 3870026.2,     781.0,    1275.0,       0.0);
     ( 395520.7, 3870026.2,     780.1,    1275.0,       0.0);         (
395570.7, 3870026.2,     780.0,    1275.0,       0.0);
     ( 395620.7, 3870026.2,     780.0,    1275.0,       0.0);         (
395670.7, 3870026.2,     780.0,    1275.0,       0.0);
     ( 395720.7, 3870026.2,     780.0,    1275.0,       0.0);         (
395770.7, 3870026.2,     779.3,    1275.0,       0.0);
     ( 395820.7, 3870026.2,     779.0,    1275.0,       0.0);         (
395870.7, 3870026.2,     779.0,    1275.0,       0.0);
     ( 395920.7, 3870026.2,     779.0,    1275.0,       0.0);         (
395970.7, 3870026.2,     778.1,    1275.0,       0.0);
     ( 396020.7, 3870026.2,     778.0,    1275.0,       0.0);         (
396070.7, 3870026.2,     778.0,    1275.0,       0.0);
     ( 396120.7, 3870026.2,     778.0,    1275.0,       0.0);         (
396170.7, 3870026.2,     777.0,     777.0,       0.0);
     ( 396220.7, 3870026.2,     777.0,     777.0,       0.0);         (
396270.7, 3870026.2,     777.0,     777.0,       0.0);
     ( 396320.7, 3870026.2,     776.2,     776.2,       0.0);         (
396370.7, 3870026.2,     776.0,     776.0,       0.0);
     ( 396420.7, 3870026.2,     776.0,     776.0,       0.0);         (
396470.7, 3870026.2,     776.0,     776.0,       0.0);
     ( 396520.7, 3870026.2,     776.0,     776.0,       0.0);         (
396570.7, 3870026.2,     775.1,     775.1,       0.0);
     ( 396620.7, 3870026.2,     775.0,     775.0,       0.0);         (
396670.7, 3870026.2,     774.4,     774.4,       0.0);
     ( 396720.7, 3870026.2,     775.0,     775.0,       0.0);         (
396770.7, 3870026.2,     775.0,     775.0,       0.0);
     ( 396820.7, 3870026.2,     775.0,     775.0,       0.0);         (
396870.7, 3870026.2,     774.3,     774.3,       0.0);
     ( 396920.7, 3870026.2,     774.0,     774.0,       0.0);         (
396970.7, 3870026.2,     774.0,     774.0,       0.0);
```

( 397020.7, 3870026.2, 774.8, 774.8, 0.0); (
397070.7, 3870026.2, 774.2, 774.2, 0.0);
( 397120.7, 3870026.2, 774.0, 774.0, 0.0); (
397170.7, 3870026.2, 774.0, 774.0, 0.0);
( 397220.7, 3870026.2, 773.4, 773.4, 0.0); (
397270.7, 3870026.2, 773.4, 773.4, 0.0);
( 395270.7, 3870076.2, 782.0, 1275.0, 0.0); (
395320.7, 3870076.2, 782.0, 1275.0, 0.0);
( 395370.7, 3870076.2, 782.0, 1275.0, 0.0); (
395420.7, 3870076.2, 781.6, 1275.0, 0.0);
( 395470.7, 3870076.2, 781.0, 1275.0, 0.0); (
395520.7, 3870076.2, 781.0, 1275.0, 0.0);
( 395570.7, 3870076.2, 781.0, 1275.0, 0.0); (
395620.7, 3870076.2, 780.0, 1275.0, 0.0);
( 395670.7, 3870076.2, 780.0, 1275.0, 0.0); (
395720.7, 3870076.2, 780.0, 1275.0, 0.0);
( 395770.7, 3870076.2, 780.0, 1275.0, 0.0); (
395820.7, 3870076.2, 779.3, 1275.0, 0.0);
( 395870.7, 3870076.2, 779.0, 1275.0, 0.0); (
395920.7, 3870076.2, 779.0, 1275.0, 0.0);
( 395970.7, 3870076.2, 779.0, 1275.0, 0.0); (
396020.7, 3870076.2, 778.0, 1275.0, 0.0);
( 396070.7, 3870076.2, 778.0, 1275.0, 0.0); (
396120.7, 3870076.2, 778.0, 1275.0, 0.0);
( 396170.7, 3870076.2, 777.6, 777.6, 0.0); (
396220.7, 3870076.2, 777.0, 777.0, 0.0);
( 396270.7, 3870076.2, 777.0, 777.0, 0.0); (
396320.7, 3870076.2, 777.0, 777.0, 0.0);
( 396370.7, 3870076.2, 776.0, 776.0, 0.0); (
396420.7, 3870076.2, 776.0, 776.0, 0.0);
( 396470.7, 3870076.2, 776.0, 776.0, 0.0); (
396520.7, 3870076.2, 776.0, 776.0, 0.0);
( 396570.7, 3870076.2, 776.0, 776.0, 0.0); (
396620.7, 3870076.2, 776.0, 776.0, 0.0);
( 396670.7, 3870076.2, 776.0, 776.0, 0.0); (
396720.7, 3870076.2, 775.0, 775.0, 0.0);
( 396770.7, 3870076.2, 775.0, 775.0, 0.0); (
396820.7, 3870076.2, 775.0, 775.0, 0.0);
( 396870.7, 3870076.2, 775.0, 775.0, 0.0); (
396920.7, 3870076.2, 775.0, 775.0, 0.0);
( 396970.7, 3870076.2, 775.0, 775.0, 0.0); (
397020.7, 3870076.2, 775.0, 775.0, 0.0);
( 397070.7, 3870076.2, 774.6, 774.6, 0.0); (
397120.7, 3870076.2, 774.0, 774.0, 0.0);
( 397170.7, 3870076.2, 774.0, 774.0, 0.0); (
397220.7, 3870076.2, 773.6, 773.6, 0.0);
( 397270.7, 3870076.2, 773.6, 773.6, 0.0); (
395270.7, 3870126.2, 782.9, 1275.0, 0.0);
( 395320.7, 3870126.2, 782.0, 1275.0, 0.0); (
395370.7, 3870126.2, 782.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395420.7, 3870126.2, 782.0, 1275.0, 0.0); ( 395470.7, 3870126.2, 781.7, 1275.0, 0.0);
( 395520.7, 3870126.2, 781.0, 1275.0, 0.0); ( 395570.7, 3870126.2, 781.0, 1275.0, 0.0);
( 395620.7, 3870126.2, 781.0, 1275.0, 0.0); ( 395670.7, 3870126.2, 780.7, 1275.0, 0.0);
( 395720.7, 3870126.2, 780.0, 1275.0, 0.0); ( 395770.7, 3870126.2, 780.0, 1275.0, 0.0);
( 395820.7, 3870126.2, 780.0, 1275.0, 0.0); ( 395870.7, 3870126.2, 779.4, 1275.0, 0.0);
( 395920.7, 3870126.2, 779.0, 1275.0, 0.0); ( 395970.7, 3870126.2, 779.0, 1275.0, 0.0);
( 396020.7, 3870126.2, 778.6, 1275.0, 0.0); ( 396070.7, 3870126.2, 778.0, 1275.0, 0.0);
( 396120.7, 3870126.2, 778.0, 1275.0, 0.0); ( 396170.7, 3870126.2, 778.0, 1275.0, 0.0);
( 396220.7, 3870126.2, 777.7, 777.7, 0.0); ( 396270.7, 3870126.2, 777.0, 777.0, 0.0);
( 396320.7, 3870126.2, 777.0, 777.0, 0.0); ( 396370.7, 3870126.2, 777.0, 777.0, 0.0);
( 396420.7, 3870126.2, 776.2, 776.2, 0.0); ( 396470.7, 3870126.2, 776.0, 776.0, 0.0);
( 396520.7, 3870126.2, 776.0, 776.0, 0.0); ( 396570.7, 3870126.2, 776.0, 776.0, 0.0);
( 396620.7, 3870126.2, 776.0, 776.0, 0.0); ( 396670.7, 3870126.2, 776.0, 776.0, 0.0);
( 396720.7, 3870126.2, 776.0, 776.0, 0.0); ( 396770.7, 3870126.2, 775.9, 775.9, 0.0);
( 396820.7, 3870126.2, 775.7, 775.7, 0.0); ( 396870.7, 3870126.2, 775.0, 775.0, 0.0);
( 396920.7, 3870126.2, 775.0, 775.0, 0.0); ( 396970.7, 3870126.2, 775.0, 775.0, 0.0);
( 397020.7, 3870126.2, 775.0, 775.0, 0.0); ( 397070.7, 3870126.2, 774.6, 774.6, 0.0);
( 397120.7, 3870126.2, 774.0, 774.0, 0.0); ( 397170.7, 3870126.2, 774.0, 774.0, 0.0);
( 397220.7, 3870126.2, 773.9, 773.9, 0.0); ( 397270.7, 3870126.2, 773.9, 773.9, 0.0);
( 395270.7, 3870176.2, 783.0, 1275.0, 0.0); ( 395320.7, 3870176.2, 783.0, 1275.0, 0.0);

( 395370.7, 3870176.2, 782.1, 1275.0, 0.0); (
395420.7, 3870176.2, 782.0, 1275.0, 0.0);
( 395470.7, 3870176.2, 782.0, 1275.0, 0.0); (
395520.7, 3870176.2, 781.3, 1275.0, 0.0);
( 395570.7, 3870176.2, 781.0, 1275.0, 0.0); (
395620.7, 3870176.2, 781.0, 1275.0, 0.0);
( 395670.7, 3870176.2, 781.0, 1275.0, 0.0); (
395720.7, 3870176.2, 780.2, 1275.0, 0.0);
( 395770.7, 3870176.2, 780.0, 1275.0, 0.0); (
395820.7, 3870176.2, 780.0, 1275.0, 0.0);
( 395870.7, 3870176.2, 779.8, 1275.0, 0.0); (
395920.7, 3870176.2, 779.0, 1275.0, 0.0);
( 395970.7, 3870176.2, 779.0, 1275.0, 0.0); (
396020.7, 3870176.2, 779.0, 1275.0, 0.0);
( 396070.7, 3870176.2, 778.0, 1275.0, 0.0); (
396120.7, 3870176.2, 778.0, 1275.0, 0.0);
( 396170.7, 3870176.2, 778.0, 1275.0, 0.0); (
396220.7, 3870176.2, 778.0, 778.0, 0.0);
( 396270.7, 3870176.2, 777.5, 777.5, 0.0); (
396320.7, 3870176.2, 777.0, 777.0, 0.0);
( 396370.7, 3870176.2, 777.0, 777.0, 0.0); (
396420.7, 3870176.2, 777.0, 777.0, 0.0);
( 396470.7, 3870176.2, 776.8, 776.8, 0.0); (
396520.7, 3870176.2, 776.0, 776.0, 0.0);
( 396570.7, 3870176.2, 776.0, 776.0, 0.0); (
396620.7, 3870176.2, 776.0, 776.0, 0.0);
( 396670.7, 3870176.2, 776.0, 776.0, 0.0); (
396720.7, 3870176.2, 776.0, 776.0, 0.0);
( 396770.7, 3870176.2, 776.0, 776.0, 0.0); (
396820.7, 3870176.2, 776.0, 776.0, 0.0);
( 396870.7, 3870176.2, 776.0, 776.0, 0.0); (
396920.7, 3870176.2, 775.2, 775.2, 0.0);
( 396970.7, 3870176.2, 775.0, 775.0, 0.0); (
397020.7, 3870176.2, 775.0, 775.0, 0.0);
( 397070.7, 3870176.2, 774.8, 774.8, 0.0); (
397120.7, 3870176.2, 774.0, 774.0, 0.0);
( 397170.7, 3870176.2, 774.0, 774.0, 0.0); (
397220.7, 3870176.2, 774.2, 774.2, 0.0);
( 397270.7, 3870176.2, 774.2, 774.2, 0.0); (
395270.7, 3870226.2, 783.0, 1275.0, 0.0);
( 395320.7, 3870226.2, 783.0, 1275.0, 0.0); (
395370.7, 3870226.2, 783.0, 1275.0, 0.0);
( 395420.7, 3870226.2, 782.0, 1275.0, 0.0); (
395470.7, 3870226.2, 782.0, 1275.0, 0.0);
( 395520.7, 3870226.2, 782.0, 1275.0, 0.0); (
395570.7, 3870226.2, 781.0, 1275.0, 0.0);
( 395620.7, 3870226.2, 781.0, 1275.0, 0.0); (
395670.7, 3870226.2, 781.0, 1275.0, 0.0);
( 395720.7, 3870226.2, 781.0, 1275.0, 0.0); (
395770.7, 3870226.2, 780.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 395820.7, 3870226.2, 780.0, 1275.0, 0.0); ( 395870.7, 3870226.2, 780.0, 1275.0, 0.0);
( 395920.7, 3870226.2, 779.0, 1275.0, 0.0); ( 395970.7, 3870226.2, 779.0, 1275.0, 0.0);
( 396020.7, 3870226.2, 779.0, 1275.0, 0.0); ( 396070.7, 3870226.2, 779.0, 1275.0, 0.0);
( 396120.7, 3870226.2, 778.0, 1275.0, 0.0); ( 396170.7, 3870226.2, 778.0, 1275.0, 0.0);
( 396220.7, 3870226.2, 778.0, 778.0, 0.0); ( 396270.7, 3870226.2, 778.0, 778.0, 0.0);
( 396320.7, 3870226.2, 777.6, 777.6, 0.0); ( 396370.7, 3870226.2, 777.0, 777.0, 0.0);
( 396420.7, 3870226.2, 777.0, 777.0, 0.0); ( 396470.7, 3870226.2, 777.0, 777.0, 0.0);
( 396520.7, 3870226.2, 777.0, 777.0, 0.0); ( 396570.7, 3870226.2, 776.0, 776.0, 0.0);
( 396620.7, 3870226.2, 776.0, 776.0, 0.0); ( 396670.7, 3870226.2, 776.0, 776.0, 0.0);
( 396720.7, 3870226.2, 776.0, 776.0, 0.0); ( 396770.7, 3870226.2, 776.0, 776.0, 0.0);
( 396820.7, 3870226.2, 776.0, 776.0, 0.0); ( 396870.7, 3870226.2, 776.0, 776.0, 0.0);
( 396920.7, 3870226.2, 776.0, 776.0, 0.0); ( 396970.7, 3870226.2, 775.0, 775.0, 0.0);
( 397020.7, 3870226.2, 775.0, 775.0, 0.0); ( 397070.7, 3870226.2, 775.0, 775.0, 0.0);
( 397120.7, 3870226.2, 774.0, 774.0, 0.0); ( 397170.7, 3870226.2, 774.0, 774.0, 0.0);
( 397220.7, 3870226.2, 774.5, 774.5, 0.0); ( 397270.7, 3870226.2, 774.5, 774.5, 0.0);
( 395270.7, 3870276.2, 783.9, 1275.0, 0.0); ( 395320.7, 3870276.2, 783.0, 1275.0, 0.0);
( 395370.7, 3870276.2, 783.0, 1275.0, 0.0); ( 395420.7, 3870276.2, 782.4, 1275.0, 0.0);
( 395470.7, 3870276.2, 782.0, 1275.0, 0.0); ( 395520.7, 3870276.2, 782.0, 1275.0, 0.0);
( 395570.7, 3870276.2, 781.6, 1275.0, 0.0); ( 395620.7, 3870276.2, 781.0, 1275.0, 0.0);
( 395670.7, 3870276.2, 781.0, 1275.0, 0.0); ( 395720.7, 3870276.2, 781.0, 1275.0, 0.0);

( 395770.7, 3870276.2, 780.0, 1275.0, 0.0); (
395820.7, 3870276.2, 780.0, 1275.0, 0.0);
( 395870.7, 3870276.2, 780.0, 1275.0, 0.0); (
395920.7, 3870276.2, 780.0, 1275.0, 0.0);
( 395970.7, 3870276.2, 779.0, 1275.0, 0.0); (
396020.7, 3870276.2, 779.0, 1275.0, 0.0);
( 396070.7, 3870276.2, 779.0, 1275.0, 0.0); (
396120.7, 3870276.2, 778.2, 1275.0, 0.0);
( 396170.7, 3870276.2, 778.0, 1275.0, 0.0); (
396220.7, 3870276.2, 778.0, 1275.0, 0.0);
( 396270.7, 3870276.2, 778.0, 778.0, 0.0); (
396320.7, 3870276.2, 778.0, 778.0, 0.0);
( 396370.7, 3870276.2, 777.7, 777.7, 0.0); (
396420.7, 3870276.2, 777.0, 777.0, 0.0);
( 396470.7, 3870276.2, 777.0, 777.0, 0.0); (
396520.7, 3870276.2, 777.0, 777.0, 0.0);
( 396570.7, 3870276.2, 777.0, 777.0, 0.0); (
396620.7, 3870276.2, 776.7, 776.7, 0.0);
( 396670.7, 3870276.2, 776.7, 776.7, 0.0); (
396720.7, 3870276.2, 776.9, 776.9, 0.0);
( 396770.7, 3870276.2, 776.9, 776.9, 0.0); (
396820.7, 3870276.2, 776.7, 776.7, 0.0);
( 396870.7, 3870276.2, 776.0, 776.0, 0.0); (
396920.7, 3870276.2, 776.0, 776.0, 0.0);
( 396970.7, 3870276.2, 776.0, 776.0, 0.0); (
397020.7, 3870276.2, 775.2, 775.2, 0.0);
( 397070.7, 3870276.2, 775.0, 775.0, 0.0); (
397120.7, 3870276.2, 775.0, 775.0, 0.0);
( 397170.7, 3870276.2, 774.8, 774.8, 0.0); (
397220.7, 3870276.2, 774.8, 774.8, 0.0);
( 397270.7, 3870276.2, 774.7, 774.7, 0.0); (
395270.7, 3870326.2, 784.0, 1275.0, 0.0);
( 395320.7, 3870326.2, 784.0, 1275.0, 0.0); (
395370.7, 3870326.2, 783.0, 1275.0, 0.0);
( 395420.7, 3870326.2, 783.0, 1275.0, 0.0); (
395470.7, 3870326.2, 782.0, 1275.0, 0.0);
( 395520.7, 3870326.2, 782.0, 1275.0, 0.0); (
395570.7, 3870326.2, 782.0, 1275.0, 0.0);
( 395620.7, 3870326.2, 781.3, 1275.0, 0.0); (
395670.7, 3870326.2, 781.0, 1275.0, 0.0);
( 395720.7, 3870326.2, 781.0, 1275.0, 0.0); (
395770.7, 3870326.2, 780.0, 1275.0, 0.0);
( 395820.7, 3870326.2, 780.0, 1275.0, 0.0); (
395870.7, 3870326.2, 780.0, 1275.0, 0.0);
( 395920.7, 3870326.2, 780.0, 1275.0, 0.0); (
395970.7, 3870326.2, 779.5, 1275.0, 0.0);
( 396020.7, 3870326.2, 779.0, 1275.0, 0.0); (
396070.7, 3870326.2, 779.0, 1275.0, 0.0);
( 396120.7, 3870326.2, 779.0, 1275.0, 0.0); (
396170.7, 3870326.2, 778.0, 1275.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 396220.7, 3870326.2, 778.0, 1275.0, 0.0); ( 396270.7, 3870326.2, 778.0, 778.0, 0.0);
( 396320.7, 3870326.2, 778.0, 778.0, 0.0); ( 396370.7, 3870326.2, 778.0, 778.0, 0.0);
( 396420.7, 3870326.2, 777.5, 777.5, 0.0); ( 396470.7, 3870326.2, 777.0, 777.0, 0.0);
( 396520.7, 3870326.2, 777.0, 777.0, 0.0); ( 396570.7, 3870326.2, 777.0, 777.0, 0.0);
( 396620.7, 3870326.2, 777.0, 777.0, 0.0); ( 396670.7, 3870326.2, 777.0, 777.0, 0.0);
( 396720.7, 3870326.2, 777.0, 777.0, 0.0); ( 396770.7, 3870326.2, 777.0, 777.0, 0.0);
( 396820.7, 3870326.2, 777.0, 777.0, 0.0); ( 396870.7, 3870326.2, 776.5, 776.5, 0.0);
( 396920.7, 3870326.2, 776.0, 776.0, 0.0); ( 396970.7, 3870326.2, 776.0, 776.0, 0.0);
( 397020.7, 3870326.2, 776.0, 776.0, 0.0); ( 397070.7, 3870326.2, 775.8, 775.8, 0.0);
( 397120.7, 3870326.2, 775.0, 775.0, 0.0); ( 397170.7, 3870326.2, 775.0, 775.0, 0.0);
( 397220.7, 3870326.2, 775.2, 775.2, 0.0); ( 397270.7, 3870326.2, 774.9, 774.9, 0.0);
( 395270.7, 3870376.2, 784.6, 1275.0, 0.0); ( 395320.7, 3870376.2, 784.0, 1275.0, 0.0);
( 395370.7, 3870376.2, 783.3, 1275.0, 0.0); ( 395420.7, 3870376.2, 783.0, 1275.0, 0.0);
( 395470.7, 3870376.2, 783.0, 1275.0, 0.0); ( 395520.7, 3870376.2, 782.0, 1275.0, 0.0);
( 395570.7, 3870376.2, 782.0, 1275.0, 0.0); ( 395620.7, 3870376.2, 782.0, 1275.0, 0.0);
( 395670.7, 3870376.2, 781.0, 1275.0, 0.0); ( 395720.7, 3870376.2, 781.0, 1275.0, 0.0);
( 395770.7, 3870376.2, 780.0, 1275.0, 0.0); ( 395820.7, 3870376.2, 780.0, 1275.0, 0.0);
( 395870.7, 3870376.2, 780.0, 1275.0, 0.0); ( 395920.7, 3870376.2, 780.0, 1275.0, 0.0);
( 395970.7, 3870376.2, 780.0, 1275.0, 0.0); ( 396020.7, 3870376.2, 779.0, 1275.0, 0.0);
( 396070.7, 3870376.2, 779.0, 1275.0, 0.0); ( 396120.7, 3870376.2, 779.0, 1275.0, 0.0);

( 396170.7, 3870376.2, 778.6, 1275.0, 0.0); (
396220.7, 3870376.2, 778.0, 1275.0, 0.0);
( 396270.7, 3870376.2, 778.0, 778.0, 0.0); (
396320.7, 3870376.2, 778.0, 778.0, 0.0);
( 396370.7, 3870376.2, 778.0, 778.0, 0.0); (
396420.7, 3870376.2, 778.0, 778.0, 0.0);
( 396470.7, 3870376.2, 777.6, 777.6, 0.0); (
396520.7, 3870376.2, 777.0, 777.0, 0.0);
( 396570.7, 3870376.2, 777.0, 777.0, 0.0); (
396620.7, 3870376.2, 777.0, 777.0, 0.0);
( 396670.7, 3870376.2, 777.0, 777.0, 0.0); (
396720.7, 3870376.2, 777.0, 777.0, 0.0);
( 396770.7, 3870376.2, 777.0, 777.0, 0.0); (
396820.7, 3870376.2, 777.0, 777.0, 0.0);
( 396870.7, 3870376.2, 777.0, 777.0, 0.0); (
396920.7, 3870376.2, 777.0, 777.0, 0.0);
( 396970.7, 3870376.2, 777.0, 777.0, 0.0); (
397020.7, 3870376.2, 776.0, 776.0, 0.0);
( 397070.7, 3870376.2, 776.0, 776.0, 0.0); (
397120.7, 3870376.2, 776.0, 776.0, 0.0);
( 397170.7, 3870376.2, 775.3, 775.3, 0.0); (
397220.7, 3870376.2, 775.4, 775.4, 0.0);
( 397270.7, 3870376.2, 775.4, 775.4, 0.0); (
395270.7, 3870426.2, 785.0, 1275.0, 0.0);
( 395320.7, 3870426.2, 784.0, 1275.0, 0.0); (
395370.7, 3870426.2, 784.0, 1275.0, 0.0);
( 395420.7, 3870426.2, 783.0, 1275.0, 0.0); (
395470.7, 3870426.2, 783.0, 1275.0, 0.0);
( 395520.7, 3870426.2, 782.3, 1275.0, 0.0); (
395570.7, 3870426.2, 782.0, 1275.0, 0.0);
( 395620.7, 3870426.2, 782.0, 1275.0, 0.0); (
395670.7, 3870426.2, 781.3, 1275.0, 0.0);
( 395720.7, 3870426.2, 781.0, 1275.0, 0.0); (
395770.7, 3870426.2, 781.0, 1275.0, 0.0);
( 395820.7, 3870426.2, 780.2, 1275.0, 0.0); (
395870.7, 3870426.2, 780.0, 1275.0, 0.0);
( 395920.7, 3870426.2, 780.0, 1275.0, 0.0); (
395970.7, 3870426.2, 780.0, 1275.0, 0.0);
( 396020.7, 3870426.2, 779.6, 1275.0, 0.0); (
396070.7, 3870426.2, 779.0, 1275.0, 0.0);
( 396120.7, 3870426.2, 779.0, 1275.0, 0.0); (
396170.7, 3870426.2, 779.0, 1275.0, 0.0);
( 396220.7, 3870426.2, 778.7, 1275.0, 0.0); (
396270.7, 3870426.2, 778.2, 1273.0, 0.0);
( 396320.7, 3870426.2, 778.0, 778.0, 0.0); (
396370.7, 3870426.2, 778.0, 778.0, 0.0);
( 396420.7, 3870426.2, 778.0, 778.0, 0.0); (
396470.7, 3870426.2, 778.0, 778.0, 0.0);
( 396520.7, 3870426.2, 777.7, 777.7, 0.0); (
396570.7, 3870426.2, 777.2, 777.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396620.7, 3870426.2,     777.0,     777.0,       0.0);         (
396670.7, 3870426.2,     777.0,     777.0,       0.0);
     ( 396720.7, 3870426.2,     777.0,     777.0,       0.0);         (
396770.7, 3870426.2,     777.0,     777.0,       0.0);
     ( 396820.7, 3870426.2,     777.0,     777.0,       0.0);         (
396870.7, 3870426.2,     777.0,     777.0,       0.0);
     ( 396920.7, 3870426.2,     777.0,     777.0,       0.0);         (
396970.7, 3870426.2,     777.0,     777.0,       0.0);
     ( 397020.7, 3870426.2,     777.0,     777.0,       0.0);         (
397070.7, 3870426.2,     776.4,     776.4,       0.0);
     ( 397120.7, 3870426.2,     776.0,     776.0,       0.0);         (
397170.7, 3870426.2,     775.8,     775.8,       0.0);
     ( 397220.7, 3870426.2,     775.0,     775.0,       0.0);         (
397270.7, 3870426.2,     775.7,     775.7,       0.0);
     ( 395270.7, 3870476.2,     785.0,    1275.0,       0.0);         (
395320.7, 3870476.2,     785.0,    1275.0,       0.0);
     ( 395370.7, 3870476.2,     784.0,    1275.0,       0.0);         (
395420.7, 3870476.2,     783.6,    1275.0,       0.0);
     ( 395470.7, 3870476.2,     783.0,    1275.0,       0.0);         (
395520.7, 3870476.2,     783.0,    1275.0,       0.0);
     ( 395570.7, 3870476.2,     782.0,    1275.0,       0.0);         (
395620.7, 3870476.2,     782.0,    1275.0,       0.0);
     ( 395670.7, 3870476.2,     782.0,    1275.0,       0.0);         (
395720.7, 3870476.2,     781.2,    1275.0,       0.0);
     ( 395770.7, 3870476.2,     781.0,    1275.0,       0.0);         (
395820.7, 3870476.2,     781.0,    1275.0,       0.0);
     ( 395870.7, 3870476.2,     780.8,    1275.0,       0.0);         (
395920.7, 3870476.2,     780.0,    1275.0,       0.0);
     ( 395970.7, 3870476.2,     780.0,    1275.0,       0.0);         (
396020.7, 3870476.2,     780.0,    1275.0,       0.0);
     ( 396070.7, 3870476.2,     779.3,    1275.0,       0.0);         (
396120.7, 3870476.2,     779.0,    1275.0,       0.0);
     ( 396170.7, 3870476.2,     779.0,    1275.0,       0.0);         (
396220.7, 3870476.2,     779.0,    1275.0,       0.0);
     ( 396270.7, 3870476.2,     779.0,    1275.0,       0.0);         (
396320.7, 3870476.2,     778.4,     778.4,       0.0);
     ( 396370.7, 3870476.2,     778.0,     778.0,       0.0);         (
396420.7, 3870476.2,     778.0,     778.0,       0.0);
     ( 396470.7, 3870476.2,     778.0,     778.0,       0.0);         (
396520.7, 3870476.2,     778.0,     778.0,       0.0);
```

( 396570.7, 3870476.2, 778.0, 778.0, 0.0); (
396620.7, 3870476.2, 777.2, 777.2, 0.0);
( 396670.7, 3870476.2, 777.0, 777.0, 0.0); (
396720.7, 3870476.2, 777.0, 777.0, 0.0);
( 396770.7, 3870476.2, 777.0, 777.0, 0.0); (
396820.7, 3870476.2, 777.0, 777.0, 0.0);
( 396870.7, 3870476.2, 777.0, 777.0, 0.0); (
396920.7, 3870476.2, 777.0, 777.0, 0.0);
( 396970.7, 3870476.2, 777.0, 777.0, 0.0); (
397020.7, 3870476.2, 777.0, 777.0, 0.0);
( 397070.7, 3870476.2, 777.0, 777.0, 0.0); (
397120.7, 3870476.2, 776.0, 776.0, 0.0);
( 397170.7, 3870476.2, 776.0, 776.0, 0.0); (
397220.7, 3870476.2, 776.0, 776.0, 0.0);
( 397270.7, 3870476.2, 776.1, 776.1, 0.0); (
395270.7, 3870526.2, 785.0, 1275.0, 0.0);
( 395320.7, 3870526.2, 785.0, 1275.0, 0.0); (
395370.7, 3870526.2, 784.0, 1275.0, 0.0);
( 395420.7, 3870526.2, 784.0, 1275.0, 0.0); (
395470.7, 3870526.2, 783.0, 1275.0, 0.0);
( 395520.7, 3870526.2, 783.0, 1275.0, 0.0); (
395570.7, 3870526.2, 782.6, 1275.0, 0.0);
( 395620.7, 3870526.2, 782.0, 1275.0, 0.0); (
395670.7, 3870526.2, 782.0, 1275.0, 0.0);
( 395720.7, 3870526.2, 781.6, 1275.0, 0.0); (
395770.7, 3870526.2, 781.0, 1275.0, 0.0);
( 395820.7, 3870526.2, 781.0, 1275.0, 0.0); (
395870.7, 3870526.2, 781.0, 1275.0, 0.0);
( 395920.7, 3870526.2, 780.0, 1275.0, 0.0); (
395970.7, 3870526.2, 780.0, 1275.0, 0.0);
( 396020.7, 3870526.2, 780.0, 1275.0, 0.0); (
396070.7, 3870526.2, 780.0, 1275.0, 0.0);
( 396120.7, 3870526.2, 779.3, 1275.0, 0.0); (
396170.7, 3870526.2, 779.0, 1275.0, 0.0);
( 396220.7, 3870526.2, 779.0, 1275.0, 0.0); (
396270.7, 3870526.2, 779.0, 1275.0, 0.0);
( 396320.7, 3870526.2, 779.0, 779.0, 0.0); (
396370.7, 3870526.2, 779.0, 779.0, 0.0);
( 396420.7, 3870526.2, 778.0, 778.0, 0.0); (
396470.7, 3870526.2, 778.0, 778.0, 0.0);
( 396520.7, 3870526.2, 778.0, 778.0, 0.0); (
396570.7, 3870526.2, 778.0, 778.0, 0.0);
( 396620.7, 3870526.2, 778.0, 778.0, 0.0); (
396670.7, 3870526.2, 777.0, 777.0, 0.0);
( 396720.7, 3870526.2, 777.0, 777.0, 0.0); (
396770.7, 3870526.2, 777.0, 777.0, 0.0);
( 396820.7, 3870526.2, 777.0, 777.0, 0.0); (
396870.7, 3870526.2, 777.0, 777.0, 0.0);
( 396920.7, 3870526.2, 777.0, 777.0, 0.0); (
396970.7, 3870526.2, 777.0, 777.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 397020.7, 3870526.2,     777.0,     777.0,       0.0);         (
397070.7, 3870526.2,     777.0,     777.0,       0.0);
     ( 397120.7, 3870526.2,     777.0,     777.0,       0.0);         (
397170.7, 3870526.2,     776.0,     776.0,       0.0);
     ( 397220.7, 3870526.2,     776.0,     776.0,       0.0);         (
397270.7, 3870526.2,     776.3,     776.3,       0.0);
     ( 395270.7, 3870576.2,     785.0,    1275.0,       0.0);         (
395320.7, 3870576.2,     785.0,    1275.0,       0.0);
     ( 395370.7, 3870576.2,     784.0,    1275.0,       0.0);         (
395420.7, 3870576.2,     784.0,    1275.0,       0.0);
     ( 395470.7, 3870576.2,     783.0,    1275.0,       0.0);         (
395520.7, 3870576.2,     783.0,    1275.0,       0.0);
     ( 395570.7, 3870576.2,     782.9,    1275.0,       0.0);         (
395620.7, 3870576.2,     782.0,    1275.0,       0.0);
     ( 395670.7, 3870576.2,     782.0,    1275.0,       0.0);         (
395720.7, 3870576.2,     782.0,    1275.0,       0.0);
     ( 395770.7, 3870576.2,     781.0,    1275.0,       0.0);         (
395820.7, 3870576.2,     781.0,    1275.0,       0.0);
     ( 395870.7, 3870576.2,     781.0,    1275.0,       0.0);         (
395920.7, 3870576.2,     780.7,    1275.0,       0.0);
     ( 395970.7, 3870576.2,     780.0,    1275.0,       0.0);         (
396020.7, 3870576.2,     780.0,    1275.0,       0.0);
     ( 396070.7, 3870576.2,     780.0,    1275.0,       0.0);         (
396120.7, 3870576.2,     780.0,    1275.0,       0.0);
     ( 396170.7, 3870576.2,     779.9,    1275.0,       0.0);         (
396220.7, 3870576.2,     779.7,    1275.0,       0.0);
     ( 396270.7, 3870576.2,     779.0,    1275.0,       0.0);         (
396320.7, 3870576.2,     779.0,     779.0,       0.0);
     ( 396370.7, 3870576.2,     779.0,     779.0,       0.0);         (
396420.7, 3870576.2,     778.8,     778.8,       0.0);
     ( 396470.7, 3870576.2,     778.7,     778.7,       0.0);         (
396520.7, 3870576.2,     778.0,     778.0,       0.0);
     ( 396570.7, 3870576.2,     778.0,     778.0,       0.0);         (
396620.7, 3870576.2,     778.0,     778.0,       0.0);
     ( 396670.7, 3870576.2,     778.0,     778.0,       0.0);         (
396720.7, 3870576.2,     777.8,     777.8,       0.0);
     ( 396770.7, 3870576.2,     777.4,     777.4,       0.0);         (
396820.7, 3870576.2,     777.0,     777.0,       0.0);
     ( 396870.7, 3870576.2,     777.0,     777.0,       0.0);         (
396920.7, 3870576.2,     777.0,     777.0,       0.0);
```

( 396970.7, 3870576.2, 777.0, 777.0, 0.0); (
397020.7, 3870576.2, 777.0, 777.0, 0.0);
( 397070.7, 3870576.2, 777.0, 777.0, 0.0); (
397120.7, 3870576.2, 777.0, 777.0, 0.0);
( 397170.7, 3870576.2, 776.8, 776.8, 0.0); (
397220.7, 3870576.2, 776.7, 776.7, 0.0);
( 397270.7, 3870576.2, 776.6, 776.6, 0.0); (
395270.7, 3870626.2, 785.0, 1275.0, 0.0);
( 395320.7, 3870626.2, 785.0, 1275.0, 0.0); (
395370.7, 3870626.2, 784.3, 1275.0, 0.0);
( 395420.7, 3870626.2, 784.0, 1275.0, 0.0); (
395470.7, 3870626.2, 784.0, 1275.0, 0.0);
( 395520.7, 3870626.2, 783.0, 1275.0, 0.0); (
395570.7, 3870626.2, 783.0, 1275.0, 0.0);
( 395620.7, 3870626.2, 782.3, 1275.0, 0.0); (
395670.7, 3870626.2, 782.0, 1275.0, 0.0);
( 395720.7, 3870626.2, 782.0, 1275.0, 0.0); (
395770.7, 3870626.2, 782.0, 1275.0, 0.0);
( 395820.7, 3870626.2, 781.1, 1275.0, 0.0); (
395870.7, 3870626.2, 781.0, 1275.0, 0.0);
( 395920.7, 3870626.2, 781.0, 1275.0, 0.0); (
395970.7, 3870626.2, 780.1, 1275.0, 0.0);
( 396020.7, 3870626.2, 780.0, 1275.0, 0.0); (
396070.7, 3870626.2, 780.0, 1275.0, 0.0);
( 396120.7, 3870626.2, 780.0, 1275.0, 0.0); (
396170.7, 3870626.2, 780.0, 1275.0, 0.0);
( 396220.7, 3870626.2, 780.0, 1275.0, 0.0); (
396270.7, 3870626.2, 780.0, 1275.0, 0.0);
( 396320.7, 3870626.2, 779.8, 779.8, 0.0); (
396370.7, 3870626.2, 779.3, 779.3, 0.0);
( 396420.7, 3870626.2, 779.0, 779.0, 0.0); (
396470.7, 3870626.2, 779.0, 779.0, 0.0);
( 396520.7, 3870626.2, 779.0, 779.0, 0.0); (
396570.7, 3870626.2, 779.0, 779.0, 0.0);
( 396620.7, 3870626.2, 778.4, 778.4, 0.0); (
396670.7, 3870626.2, 778.3, 778.3, 0.0);
( 396720.7, 3870626.2, 778.0, 778.0, 0.0); (
396770.7, 3870626.2, 778.0, 778.0, 0.0);
( 396820.7, 3870626.2, 778.0, 778.0, 0.0); (
396870.7, 3870626.2, 777.4, 777.4, 0.0);
( 396920.7, 3870626.2, 777.0, 777.0, 0.0); (
396970.7, 3870626.2, 777.0, 777.0, 0.0);
( 397020.7, 3870626.2, 777.0, 777.0, 0.0); (
397070.7, 3870626.2, 777.0, 777.0, 0.0);
( 397120.7, 3870626.2, 777.0, 777.0, 0.0); (
397170.7, 3870626.2, 777.0, 777.0, 0.0);
( 397220.7, 3870626.2, 777.0, 777.0, 0.0); (
397270.7, 3870626.2, 777.0, 777.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES *** (METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: 723810 - Edwards AFB MetData - CARB\723810.SFC
Met Version: 14134
Profile file: 723810 - Edwards AFB MetData - CARB\723810.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23114 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2009 Year: 2009

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O LEN | Z0 | BOWEN | ALBEDO | REF | WS | WD | HT | REF | TA | HT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 | 01 | 01 | 1 | 01 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.8 | 2.0 | | |
| 09 | 01 | 01 | 1 | 02 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.6 | 2.0 | | |
| 09 | 01 | 01 | 1 | 03 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.5 | 2.0 | | |
| 09 | 01 | 01 | 1 | 04 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 272.1 | 2.0 | | |
| 09 | 01 | 01 | 1 | 05 | -6.5 | 0.087 | -9.000 | -9.000 | -999. | 62. | 8.5 | 0.18 | 1.43 | 1.00 | 1.76 | 283. | 10.0 | 271.4 | 2.0 | | |
| 09 | 01 | 01 | 1 | 06 | -11.7 | 0.117 | -9.000 | -9.000 | -999. | 96. | 11.5 | 0.18 | 1.43 | 1.00 | 2.36 | 232. | 10.0 | 271.5 | 2.0 | | |
| 09 | 01 | 01 | 1 | 07 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 1.00 | 0.00 | 0. | 10.0 | 270.8 | 2.0 | | |
| 09 | 01 | 01 | 1 | 08 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.16 | 1.43 | 0.56 | 0.00 | 0. | 10.0 | 271.9 | 2.0 | | |
| 09 | 01 | 01 | 1 | 09 | 22.2 | -9.000 | -9.000 | -9.000 | 55. | -999. | -99999.0 | 0.16 | 1.43 | 0.33 | 0.00 | 0. | 10.0 | 274.5 | 2.0 | | |
| 09 | 01 | 01 | 1 | 10 | 77.9 | 0.283 | 0.668 | 0.009 | 128. | 361. | -24.3 | 0.18 | 1.43 | 0.25 | 2.36 | 201. | 10.0 | 277.6 | 2.0 | | |
| 09 | 01 | 01 | 1 | 11 | 117.0 | -9.000 | -9.000 | -9.000 | 216. | -999. | -99999.0 | 0.16 | 1.43 | 0.22 | 0.00 | 0. | 10.0 | 280.1 | 2.0 | | |
| 09 | 01 | 01 | 1 | 12 | 136.4 | 0.247 | 1.087 | 0.009 | 315. | 295. | -9.3 | 0.20 | 1.43 | 0.22 | 1.76 | 86. | 10.0 | 282.1 | 2.0 | | |
| 09 | 01 | 01 | 1 | 13 | 135.3 | 0.235 | 1.200 | 0.008 | 427. | 274. | -8.0 | 0.16 | 1.43 | 0.22 | 1.76 | 999. | 10.0 | 284.2 | 2.0 | | |

```
 09 01 01   1 14  113.6 -9.000 -9.000 -9.000  526. -999. -99999.0  0.16
1.43   0.23    0.00    0.   10.0  285.5    2.0
 09 01 01   1 15   72.4 -9.000 -9.000 -9.000  617. -999. -99999.0  0.16
1.43   0.26    0.00    0.   10.0  286.8    2.0
 09 01 01   1 16   15.5 -9.000 -9.000 -9.000  633. -999. -99999.0  0.16
1.43   0.35    0.00    0.   10.0  287.1    2.0
 09 01 01   1 17    5.3 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   0.64    0.00    0.   10.0  284.1    2.0
 09 01 01   1 18   -4.9  0.077 -9.000 -9.000 -999.   51.      7.7  0.20
1.43   1.00    1.50   97.   10.0  281.1    2.0
 09 01 01   1 19   -4.7  0.074 -9.000 -9.000 -999.   48.      7.3  0.17
1.43   1.00    1.50  174.   10.0  279.1    2.0
 09 01 01   1 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   1.00    0.00    0.   10.0  277.1    2.0
 09 01 01   1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   1.00    0.00    0.   10.0  275.1    2.0
 09 01 01   1 22  -16.9  0.158 -9.000 -9.000 -999.  151.     19.5  0.18
1.43   1.00    2.60  222.   10.0  276.1    2.0
 09 01 01   1 23  -16.8  0.156 -9.000 -9.000 -999.  148.     18.8  0.18
1.43   1.00    2.60  210.   10.0  274.1    2.0
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.16
1.43   1.00    0.00    0.   10.0  274.1    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1 -999.  -99.00   272.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) 394711.79 | 394861.79 | 395011.79 | 395161.79 | 395311.79 | 395461.79 | 395611.79 | 395761.79 | 395911.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 0.00019 | 0.00018 | 0.00017 | 0.00018 | 0.00020 | 0.00023 | 0.00030 | 0.00041 | 0.00059 |
| 3870861.46 | 0.00022 | 0.00023 | 0.00023 | 0.00023 | 0.00025 | 0.00030 | 0.00038 | 0.00054 | 0.00084 |
| 3870711.46 | 0.00022 | 0.00027 | 0.00030 | 0.00032 | 0.00034 | 0.00039 | 0.00051 | 0.00076 | 0.00127 |
| 3870561.46 | 0.00019 | 0.00026 | 0.00034 | 0.00042 | 0.00048 | 0.00056 | 0.00073 | 0.00113 | 0.00213 |
| 3870411.46 | 0.00015 | 0.00022 | 0.00032 | 0.00048 | 0.00067 | 0.00086 | 0.00113 | 0.00183 | 0.00409 |
| 3870261.46 | 0.00015 | 0.00020 | 0.00029 | 0.00046 | 0.00077 | 0.00130 | 0.00205 | 0.00344 | 0.01002 |
| 3870111.46 | 0.00018 | 0.00023 | 0.00032 | 0.00047 | 0.00078 | 0.00154 | 0.00361 | 0.00872 | 0.04373 |
| 3869961.46 | 0.00028 | 0.00036 | 0.00049 | 0.00073 | 0.00119 | 0.00225 | 0.00558 | 0.02858 | 1.44693 |
| 3869811.46 | 0.00039 | 0.00052 | 0.00075 | 0.00117 | 0.00206 | 0.00425 | 0.01091 | 0.03926 | 0.06542 |
| 3869661.46 | 0.00048 | 0.00066 | 0.00095 | 0.00144 | 0.00228 | 0.00373 | 0.00625 | 0.00919 | 0.00963 |
| 3869511.46 | 0.00052 | 0.00069 | 0.00092 | 0.00124 | 0.00167 | 0.00225 | 0.00295 | 0.00328 | 0.00343 |
| 3869361.46 | 0.00049 | 0.00060 | 0.00074 | 0.00091 | 0.00111 | 0.00137 | 0.00154 | 0.00161 | 0.00171 |
| 3869211.46 | 0.00042 | 0.00048 | 0.00056 | 0.00065 | 0.00077 | 0.00087 | 0.00090 | 0.00096 | 0.00102 |
| 3869061.46 | 0.00034 | 0.00038 | 0.00043 | 0.00049 | 0.00056 | 0.00058 | 0.00059 | 0.00066 | 0.00068 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3868911.46 | 0.00027 | 0.00030 | 0.00034 | 0.00038 | 0.00041 | 0.00041 | 0.00043 | 0.00049 | 0.00050 |
| 3868761.46 | 0.00022 | 0.00025 | 0.00028 | 0.00030 | 0.00030 | 0.00030 | 0.00033 | 0.00038 | 0.00039 |
| 3868611.46 | 0.00019 | 0.00021 | 0.00023 | 0.00024 | 0.00023 | 0.00024 | 0.00028 | 0.00032 | 0.00031 |
| 3868461.46 | 0.00017 | 0.00018 | 0.00019 | 0.00019 | 0.00019 | 0.00020 | 0.00024 | 0.00027 | 0.00026 |
| 3868311.46 | 0.00015 | 0.00016 | 0.00016 | 0.00016 | 0.00016 | 0.00018 | 0.00021 | 0.00024 | 0.00023 |
| 3868161.46 | 0.00013 | 0.00013 | 0.00013 | 0.00013 | 0.00014 | 0.00016 | 0.00019 | 0.00021 | 0.00020 |
| 3868011.46 | 0.00011 | 0.00011 | 0.00011 | 0.00012 | 0.00013 | 0.00015 | 0.00018 | 0.00019 | 0.00018 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) 396061.79 | 396211.79 | 396361.79 | 396511.79 | 396661.79 | 396811.79 | 396961.79 | 397111.79 | 397261.79 |
|---|---|---|---|---|---|---|---|---|---|
| 3871011.46 | 0.00088 | 0.00137 | 0.00200 | 0.00258 | 0.00297 | 0.00311 | 0.00301 | 0.00275 | 0.00241 |
| 3870861.46 | 0.00136 | 0.00220 | 0.00318 | 0.00392 | 0.00422 | 0.00407 | 0.00363 | 0.00309 | 0.00257 |
| 3870711.46 | 0.00226 | 0.00385 | 0.00533 | 0.00602 | 0.00580 | 0.00502 | 0.00410 | 0.00328 | 0.00263 |
| 3870561.46 | 0.00431 | 0.00737 | 0.00920 | 0.00892 | 0.00740 | 0.00571 | 0.00433 | 0.00332 | 0.00260 |
| 3870411.46 | 0.00982 | 0.01538 | 0.01536 | 0.01191 | 0.00843 | 0.00594 | 0.00431 | 0.00323 | 0.00251 |
| 3870261.46 | 0.02831 | 0.03214 | 0.02201 | 0.01351 | 0.00858 | 0.00579 | 0.00415 | 0.00311 | 0.00242 |
| 3870111.46 | 0.10230 | 0.05213 | 0.02437 | 0.01329 | 0.00824 | 0.00559 | 0.00404 | 0.00306 | 0.00240 |
| 3869961.46 | 0.20632 | 0.05172 | 0.02245 | 0.01243 | 0.00787 | 0.00543 | 0.00397 | 0.00303 | 0.00239 |
| 3869811.46 | 0.03490 | 0.02333 | 0.01409 | 0.00910 | 0.00629 | 0.00458 | 0.00348 | 0.00273 | 0.00220 |
| 3869661.46 | 0.00322 | 0.00321 | 0.00415 | 0.00401 | 0.00348 | 0.00291 | 0.00243 | 0.00204 | 0.00173 |
| 3869511.46 | 0.00204 | 0.00074 | 0.00082 | 0.00119 | 0.00141 | 0.00145 | 0.00139 | 0.00128 | 0.00117 |
| 3869361.46 | 0.00138 | 0.00057 | 0.00028 | 0.00031 | 0.00046 | 0.00059 | 0.00068 | 0.00071 | 0.00071 |
| 3869211.46 | 0.00094 | 0.00051 | 0.00023 | 0.00014 | 0.00015 | 0.00021 | 0.00029 | 0.00035 | 0.00039 |
| 3869061.46 | 0.00068 | 0.00045 | 0.00023 | 0.00012 | 0.00008 | 0.00008 | 0.00011 | 0.00016 | 0.00020 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3868911.46 | \| | 0.00051 | 0.00040 | 0.00022 | 0.00012 | 0.00007 | 0.00005 | 0.00005 | 0.00007 | 0.00009 |
| 3868761.46 | \| | 0.00039 | 0.00035 | 0.00022 | 0.00012 | 0.00007 | 0.00004 | 0.00003 | 0.00003 | 0.00004 |
| 3868611.46 | \| | 0.00033 | 0.00032 | 0.00022 | 0.00012 | 0.00007 | 0.00005 | 0.00003 | 0.00002 | 0.00002 |
| 3868461.46 | \| | 0.00027 | 0.00029 | 0.00021 | 0.00013 | 0.00008 | 0.00005 | 0.00003 | 0.00002 | 0.00002 |
| 3868311.46 | \| | 0.00023 | 0.00025 | 0.00021 | 0.00013 | 0.00008 | 0.00005 | 0.00003 | 0.00002 | 0.00002 |
| 3868161.46 | \| | 0.00020 | 0.00023 | 0.00021 | 0.00014 | 0.00008 | 0.00005 | 0.00004 | 0.00003 | 0.00002 |
| 3868011.46 | \| | 0.00018 | 0.00020 | 0.00020 | 0.00014 | 0.00009 | 0.00005 | 0.00004 | 0.00003 | 0.00002 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | 397411.79 | 397561.79 | 397711.79 |
|---|---|---|---|---|
| 3871011.46 | | 0.00207 | 0.00176 | 0.00150 |
| 3870861.46 | | 0.00213 | 0.00177 | 0.00150 |
| 3870711.46 | | 0.00213 | 0.00175 | 0.00146 |
| 3870561.46 | | 0.00208 | 0.00170 | 0.00141 |
| 3870411.46 | | 0.00200 | 0.00163 | 0.00136 |
| 3870261.46 | | 0.00194 | 0.00159 | 0.00133 |
| 3870111.46 | | 0.00193 | 0.00159 | 0.00134 |
| 3869961.46 | | 0.00194 | 0.00161 | 0.00136 |
| 3869811.46 | | 0.00181 | 0.00152 | 0.00130 |
| 3869661.46 | | 0.00148 | 0.00128 | 0.00112 |
| 3869511.46 | | 0.00106 | 0.00095 | 0.00086 |
| 3869361.46 | | 0.00069 | 0.00066 | 0.00062 |
| 3869211.46 | | 0.00042 | 0.00043 | 0.00042 |
| 3869061.46 | | 0.00023 | 0.00026 | 0.00027 |
| 3868911.46 | | 0.00012 | 0.00014 | 0.00017 |
| 3868761.46 | | 0.00006 | 0.00008 | 0.00009 |
| 3868611.46 | | 0.00003 | 0.00004 | 0.00005 |
| 3868461.46 | | 0.00002 | 0.00002 | 0.00003 |
| 3868311.46 | | 0.00001 | 0.00001 | 0.00002 |
| 3868161.46 | | 0.00001 | 0.00001 | 0.00001 |
| 3868011.46 | | 0.00001 | 0.00001 | 0.00001 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395270.74 | 3868626.18 | 0.00024 | 395320.74 | 3868626.18 | 0.00024 |
| 395370.74 | 3868626.18 | 0.00024 | 395420.74 | 3868626.18 | 0.00024 |
| 395470.74 | 3868626.18 | 0.00025 | 395520.74 | 3868626.18 | 0.00026 |
| 395570.74 | 3868626.18 | 0.00027 | 395620.74 | 3868626.18 | 0.00028 |
| 395670.74 | 3868626.18 | 0.00030 | 395720.74 | 3868626.18 | 0.00031 |
| 395770.74 | 3868626.18 | 0.00032 | 395820.74 | 3868626.18 | 0.00032 |
| 395270.74 | 3868676.18 | 0.00026 | 395320.74 | 3868676.18 | 0.00026 |
| 395370.74 | 3868676.18 | 0.00026 | 395420.74 | 3868676.18 | 0.00026 |
| 395470.74 | 3868676.18 | 0.00027 | 395520.74 | 3868676.18 | 0.00027 |
| 395570.74 | 3868676.18 | 0.00029 | 395620.74 | 3868676.18 | 0.00030 |
| 395670.74 | 3868676.18 | 0.00032 | 395720.74 | 3868676.18 | 0.00033 |
| 395770.74 | 3868676.18 | 0.00034 | 395820.74 | 3868676.18 | 0.00035 |
| 395270.74 | 3868726.18 | 0.00028 | 395320.74 | 3868726.18 | 0.00028 |
| 395370.74 | 3868726.18 | 0.00028 | 395420.74 | 3868726.18 | 0.00028 |
| 395470.74 | 3868726.18 | 0.00029 | 395520.74 | 3868726.18 | 0.00029 |
| 395570.74 | 3868726.18 | 0.00031 | 395620.74 | 3868726.18 | 0.00032 |

395670.74 3868726.18 0.00034
395720.74 3868726.18 0.00035
395770.74 3868726.18 0.00037
395820.74 3868726.18 0.00037
395270.74 3868776.18 0.00031
395320.74 3868776.18 0.00031
395370.74 3868776.18 0.00031
395420.74 3868776.18 0.00031
395470.74 3868776.18 0.00031
395520.74 3868776.18 0.00032
395570.74 3868776.18 0.00033
395620.74 3868776.18 0.00034
395670.74 3868776.18 0.00036
395720.74 3868776.18 0.00038
395770.74 3868776.18 0.00039
395820.74 3868776.18 0.00040
395270.74 3868826.18 0.00034
395320.74 3868826.18 0.00034
395370.74 3868826.18 0.00034
395420.74 3868826.18 0.00034
395470.74 3868826.18 0.00034
395520.74 3868826.18 0.00035
395570.74 3868826.18 0.00036
395620.74 3868826.18 0.00037
395670.74 3868826.18 0.00039
395720.74 3868826.18 0.00041
395770.74 3868826.18 0.00042
395820.74 3868826.18 0.00043
395270.74 3868876.18 0.00038
395320.74 3868876.18 0.00038
395370.74 3868876.18 0.00038
395420.74 3868876.18 0.00038
395470.74 3868876.18 0.00038
395520.74 3868876.18 0.00038
395570.74 3868876.18 0.00039
395620.74 3868876.18 0.00040
395670.74 3868876.18 0.00042
395720.74 3868876.18 0.00044
395770.74 3868876.18 0.00046
395820.74 3868876.18 0.00047
395270.74 3868926.18 0.00041
395320.74 3868926.18 0.00042
395370.74 3868926.18 0.00042
395420.74 3868926.18 0.00042
395470.74 3868926.18 0.00042
395520.74 3868926.18 0.00042
395570.74 3868926.18 0.00043
395620.74 3868926.18 0.00044

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395670.74 | 3868926.18 | 0.00046 | 395720.74 | 3868926.18 | 0.00048 |
| 395770.74 | 3868926.18 | 0.00050 | 395820.74 | 3868926.18 | 0.00051 |
| 395270.74 | 3868976.18 | 0.00046 | 395320.74 | 3868976.18 | 0.00047 |
| 395370.74 | 3868976.18 | 0.00047 | 395420.74 | 3868976.18 | 0.00047 |
| 395470.74 | 3868976.18 | 0.00047 | 395520.74 | 3868976.18 | 0.00047 |
| 395570.74 | 3868976.18 | 0.00048 | 395620.74 | 3868976.18 | 0.00049 |
| 395670.74 | 3868976.18 | 0.00051 | 395720.74 | 3868976.18 | 0.00053 |
| 395770.74 | 3868976.18 | 0.00055 | 395820.74 | 3868976.18 | 0.00056 |
| 395270.74 | 3869026.18 | 0.00050 | 395320.74 | 3869026.18 | 0.00052 |
| 395370.74 | 3869026.18 | 0.00053 | 395420.74 | 3869026.18 | 0.00053 |
| 395470.74 | 3869026.18 | 0.00053 | 395520.74 | 3869026.18 | 0.00053 |
| 395570.74 | 3869026.18 | 0.00053 | 395620.74 | 3869026.18 | 0.00054 |
| 395670.74 | 3869026.18 | 0.00056 | 395720.74 | 3869026.18 | 0.00059 |
| 395770.74 | 3869026.18 | 0.00061 | 395820.74 | 3869026.18 | 0.00063 |
| 395270.74 | 3869076.18 | 0.00056 | 395320.74 | 3869076.18 | 0.00058 |
| 395370.74 | 3869076.18 | 0.00059 | 395420.74 | 3869076.18 | 0.00060 |

395470.74 3869076.18 0.00060
395520.74 3869076.18 0.00060
395570.74 3869076.18 0.00061
395620.74 3869076.18 0.00061
395670.74 3869076.18 0.00063
395720.74 3869076.18 0.00066
395770.74 3869076.18 0.00068
395820.74 3869076.18 0.00070
395270.74 3869126.18 0.00062
395320.74 3869126.18 0.00065
395370.74 3869126.18 0.00067
395420.74 3869126.18 0.00068
395470.74 3869126.18 0.00069
395520.74 3869126.18 0.00069
395570.74 3869126.18 0.00069
395620.74 3869126.18 0.00070
395670.74 3869126.18 0.00072
395720.74 3869126.18 0.00074
395770.74 3869126.18 0.00077
395820.74 3869126.18 0.00079
395270.74 3869176.18 0.00069
395320.74 3869176.18 0.00072
395370.74 3869176.18 0.00075
395420.74 3869176.18 0.00078
395470.74 3869176.18 0.00079
395520.74 3869176.18 0.00080
395570.74 3869176.18 0.00080
395620.74 3869176.18 0.00081
395670.74 3869176.18 0.00082
395720.74 3869176.18 0.00085
395770.74 3869176.18 0.00088
395820.74 3869176.18 0.00090
395270.74 3869226.18 0.00076
395320.74 3869226.18 0.00081
395370.74 3869226.18 0.00085
395420.74 3869226.18 0.00089
395470.74 3869226.18 0.00092
395520.74 3869226.18 0.00093
395570.74 3869226.18 0.00094
395620.74 3869226.18 0.00094
395670.74 3869226.18 0.00095
395720.74 3869226.18 0.00098
395770.74 3869226.18 0.00101
395820.74 3869226.18 0.00104
395270.74 3869276.18 0.00086
395320.74 3869276.18 0.00091
395370.74 3869276.18 0.00097
395420.74 3869276.18 0.00102

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395470.74 | 3869276.18 | 0.00106 | 395520.74 | 3869276.18 | 0.00109 |
| 395570.74 | 3869276.18 | 0.00111 | 395620.74 | 3869276.18 | 0.00112 |
| 395670.74 | 3869276.18 | 0.00113 | 395720.74 | 3869276.18 | 0.00115 |
| 395770.74 | 3869276.18 | 0.00119 | 395820.74 | 3869276.18 | 0.00122 |
| 395270.74 | 3869326.18 | 0.00097 | 395320.74 | 3869326.18 | 0.00103 |
| 395370.74 | 3869326.18 | 0.00110 | 395420.74 | 3869326.18 | 0.00117 |
| 395470.74 | 3869326.18 | 0.00124 | 395520.74 | 3869326.18 | 0.00129 |
| 395570.74 | 3869326.18 | 0.00132 | 395620.74 | 3869326.18 | 0.00134 |
| 395670.74 | 3869326.18 | 0.00135 | 395720.74 | 3869326.18 | 0.00138 |
| 395770.74 | 3869326.18 | 0.00141 | 395820.74 | 3869326.18 | 0.00145 |
| 395270.74 | 3869376.18 | 0.00109 | 395320.74 | 3869376.18 | 0.00117 |
| 395370.74 | 3869376.18 | 0.00126 | 395420.74 | 3869376.18 | 0.00135 |
| 395470.74 | 3869376.18 | 0.00145 | 395520.74 | 3869376.18 | 0.00153 |
| 395570.74 | 3869376.18 | 0.00160 | 395620.74 | 3869376.18 | 0.00163 |
| 395670.74 | 3869376.18 | 0.00165 | 395720.74 | 3869376.18 | 0.00168 |
| 395770.74 | 3869376.18 | 0.00171 | 395820.74 | 3869376.18 | 0.00176 |

| | | |
|---|---|---|
| 395270.74 | 3869426.18 | 0.00124 |
| 395320.74 | 3869426.18 | 0.00134 |
| 395370.74 | 3869426.18 | 0.00145 |
| 395420.74 | 3869426.18 | 0.00158 |
| 395470.74 | 3869426.18 | 0.00171 |
| 395520.74 | 3869426.18 | 0.00183 |
| 395570.74 | 3869426.18 | 0.00194 |
| 395620.74 | 3869426.18 | 0.00202 |
| 395670.74 | 3869426.18 | 0.00206 |
| 395720.74 | 3869426.18 | 0.00209 |
| 395770.74 | 3869426.18 | 0.00213 |
| 395820.74 | 3869426.18 | 0.00218 |
| 395270.74 | 3869476.18 | 0.00141 |
| 395320.74 | 3869476.18 | 0.00154 |
| 395370.74 | 3869476.18 | 0.00169 |
| 395420.74 | 3869476.18 | 0.00184 |
| 395470.74 | 3869476.18 | 0.00203 |
| 395520.74 | 3869476.18 | 0.00221 |
| 395570.74 | 3869476.18 | 0.00238 |
| 395620.74 | 3869476.18 | 0.00253 |
| 395670.74 | 3869476.18 | 0.00262 |
| 395720.74 | 3869476.18 | 0.00267 |
| 395770.74 | 3869476.18 | 0.00272 |
| 395820.74 | 3869476.18 | 0.00277 |
| 395270.74 | 3869526.18 | 0.00160 |
| 395320.74 | 3869526.18 | 0.00177 |
| 395370.74 | 3869526.18 | 0.00196 |
| 395420.74 | 3869526.18 | 0.00217 |
| 395470.74 | 3869526.18 | 0.00242 |
| 395520.74 | 3869526.18 | 0.00268 |
| 395570.74 | 3869526.18 | 0.00295 |
| 395620.74 | 3869526.18 | 0.00321 |
| 395670.74 | 3869526.18 | 0.00339 |
| 395720.74 | 3869526.18 | 0.00350 |
| 395770.74 | 3869526.18 | 0.00358 |
| 395820.74 | 3869526.18 | 0.00364 |
| 395270.74 | 3869576.18 | 0.00177 |
| 395320.74 | 3869576.18 | 0.00200 |
| 395370.74 | 3869576.18 | 0.00226 |
| 395420.74 | 3869576.18 | 0.00255 |
| 395470.74 | 3869576.18 | 0.00290 |
| 395520.74 | 3869576.18 | 0.00328 |
| 395570.74 | 3869576.18 | 0.00369 |
| 395620.74 | 3869576.18 | 0.00411 |
| 395670.74 | 3869576.18 | 0.00449 |
| 395720.74 | 3869576.18 | 0.00474 |
| 395770.74 | 3869576.18 | 0.00489 |
| 395820.74 | 3869576.18 | 0.00498 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395270.74 | 3869626.18 | 0.00193 | 395320.74 | 3869626.18 | 0.00222 |
| 395370.74 | 3869626.18 | 0.00256 | 395420.74 | 3869626.18 | 0.00296 |
| 395470.74 | 3869626.18 | 0.00343 | 395520.74 | 3869626.18 | 0.00400 |
| 395570.74 | 3869626.18 | 0.00463 | 395620.74 | 3869626.18 | 0.00533 |
| 395670.74 | 3869626.18 | 0.00607 | 395720.74 | 3869626.18 | 0.00664 |
| 395770.74 | 3869626.18 | 0.00699 | 395820.74 | 3869626.18 | 0.00717 |
| 395270.74 | 3869676.18 | 0.00202 | 395320.74 | 3869676.18 | 0.00238 |
| 395370.74 | 3869676.18 | 0.00282 | 395420.74 | 3869676.18 | 0.00336 |
| 395470.74 | 3869676.18 | 0.00401 | 395520.74 | 3869676.18 | 0.00482 |
| 395570.74 | 3869676.18 | 0.00579 | 395620.74 | 3869676.18 | 0.00696 |
| 395670.74 | 3869676.18 | 0.00829 | 395720.74 | 3869676.18 | 0.00960 |
| 395770.74 | 3869676.18 | 0.01056 | 395820.74 | 3869676.18 | 0.01104 |
| 395270.74 | 3869726.18 | 0.00201 | 395320.74 | 3869726.18 | 0.00242 |
| 395370.74 | 3869726.18 | 0.00295 | 395420.74 | 3869726.18 | 0.00362 |
| 395470.74 | 3869726.18 | 0.00448 | 395520.74 | 3869726.18 | 0.00560 |
| 395570.74 | 3869726.18 | 0.00705 | 395620.74 | 3869726.18 | 0.00894 |

395670.74 3869726.18 0.01135
395720.74 3869726.18 0.01427
395770.74 3869726.18 0.01698
395820.74 3869726.18 0.01867
395270.74 3869776.18 0.00189
395320.74 3869776.18 0.00230
395370.74 3869776.18 0.00287
395420.74 3869776.18 0.00362
395470.74 3869776.18 0.00464
395520.74 3869776.18 0.00604
395570.74 3869776.18 0.00803
395620.74 3869776.18 0.01087
395670.74 3869776.18 0.01503
395720.74 3869776.18 0.02113
395770.74 3869776.18 0.02911
395820.74 3869776.18 0.03633
395270.74 3869826.18 0.00168
395320.74 3869826.18 0.00206
395370.74 3869826.18 0.00259
395420.74 3869826.18 0.00331
395470.74 3869826.18 0.00433
395520.74 3869826.18 0.00581
395570.74 3869826.18 0.00809
395620.74 3869826.18 0.01170
395670.74 3869826.18 0.01774
395720.74 3869826.18 0.02858
395770.74 3869826.18 0.04921
395820.74 3869826.18 0.08459
395270.74 3869876.18 0.00143
395320.74 3869876.18 0.00175
395370.74 3869876.18 0.00217
395420.74 3869876.18 0.00277
395470.74 3869876.18 0.00364
395520.74 3869876.18 0.00490
395570.74 3869876.18 0.00689
395620.74 3869876.18 0.01032
395670.74 3869876.18 0.01661
395720.74 3869876.18 0.02966
395770.74 3869876.18 0.06274
395820.74 3869876.18 0.17903
395270.74 3869926.18 0.00118
395320.74 3869926.18 0.00143
395370.74 3869926.18 0.00175
395420.74 3869926.18 0.00219
395470.74 3869926.18 0.00284
395520.74 3869926.18 0.00375
395570.74 3869926.18 0.00517
395620.74 3869926.18 0.00754

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 395670.74 | 3869926.18 | 0.01205 | 395720.74 | 3869926.18 | 0.02155 |
| 395770.74 | 3869926.18 | 0.04649 | 395820.74 | 3869926.18 | 0.14820 |
| 395270.74 | 3869976.18 | 0.00096 | 395320.74 | 3869976.18 | 0.00115 |
| 395370.74 | 3869976.18 | 0.00140 | 395420.74 | 3869976.18 | 0.00172 |
| 395470.74 | 3869976.18 | 0.00220 | 395520.74 | 3869976.18 | 0.00286 |
| 395570.74 | 3869976.18 | 0.00387 | 395620.74 | 3869976.18 | 0.00553 |
| 395670.74 | 3869976.18 | 0.00850 | 395720.74 | 3869976.18 | 0.01466 |
| 395770.74 | 3869976.18 | 0.02909 | 395820.74 | 3869976.18 | 0.06809 |
| 395870.74 | 3869976.18 | 0.25190 | 395920.74 | 3869976.18 | 0.95042 |
| 395970.74 | 3869976.18 | 0.73734 | 396020.74 | 3869976.18 | 0.35565 |
| 396070.74 | 3869976.18 | 0.18648 | 396120.74 | 3869976.18 | 0.11007 |
| 396170.74 | 3869976.18 | 0.07144 | 396220.74 | 3869976.18 | 0.04972 |
| 396270.74 | 3869976.18 | 0.03644 | 396320.74 | 3869976.18 | 0.02780 |
| 396370.74 | 3869976.18 | 0.02188 | 396420.74 | 3869976.18 | 0.01766 |
| 396470.74 | 3869976.18 | 0.01455 | 396520.74 | 3869976.18 | 0.01219 |
| 396570.74 | 3869976.18 | 0.01036 | 396620.74 | 3869976.18 | 0.00891 |

| | | |
|---|---|---|
| 396668.32 | 3869988.26 | 0.00783 |
| 396718.32 | 3869988.26 | 0.00686 |
| 396768.32 | 3869988.26 | 0.00606 |
| 396818.32 | 3869988.26 | 0.00540 |
| 396868.32 | 3869993.09 | 0.00484 |
| 396918.32 | 3869993.09 | 0.00436 |
| 396968.32 | 3869993.09 | 0.00395 |
| 397018.32 | 3869993.09 | 0.00359 |
| 397068.32 | 3869993.09 | 0.00328 |
| 397118.32 | 3869993.09 | 0.00301 |
| 397168.32 | 3869993.09 | 0.00278 |
| 397218.32 | 3869993.09 | 0.00257 |
| 397268.32 | 3869993.09 | 0.00238 |
| 395270.74 | 3870026.18 | 0.00080 |
| 395320.74 | 3870026.18 | 0.00095 |
| 395370.74 | 3870026.18 | 0.00115 |
| 395420.74 | 3870026.18 | 0.00143 |
| 395470.74 | 3870026.18 | 0.00181 |
| 395520.74 | 3870026.18 | 0.00239 |
| 395570.74 | 3870026.18 | 0.00326 |
| 395620.74 | 3870026.18 | 0.00466 |
| 395670.74 | 3870026.18 | 0.00706 |
| 395720.74 | 3870026.18 | 0.01135 |
| 395770.74 | 3870026.18 | 0.01922 |
| 395820.74 | 3870026.18 | 0.03346 |
| 395870.74 | 3870026.18 | 0.07744 |
| 395920.74 | 3870026.18 | 0.22675 |
| 395970.74 | 3870026.18 | 0.32493 |
| 396020.74 | 3870026.18 | 0.25710 |
| 396070.74 | 3870026.18 | 0.16877 |
| 396120.74 | 3870026.18 | 0.10929 |
| 396170.74 | 3870026.18 | 0.07345 |
| 396220.74 | 3870026.18 | 0.05171 |
| 396270.74 | 3870026.18 | 0.03797 |
| 396320.74 | 3870026.18 | 0.02890 |
| 396370.74 | 3870026.18 | 0.02267 |
| 396420.74 | 3870026.18 | 0.01823 |
| 396470.74 | 3870026.18 | 0.01496 |
| 396520.74 | 3870026.18 | 0.01249 |
| 396570.74 | 3870026.18 | 0.01059 |
| 396620.74 | 3870026.18 | 0.00908 |
| 396670.74 | 3870026.18 | 0.00788 |
| 396720.74 | 3870026.18 | 0.00689 |
| 396770.74 | 3870026.18 | 0.00608 |
| 396820.74 | 3870026.18 | 0.00541 |
| 396870.74 | 3870026.18 | 0.00484 |
| 396920.74 | 3870026.18 | 0.00436 |
| 396970.74 | 3870026.18 | 0.00395 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 397020.74 | 3870026.18 | 0.00359 | 397070.74 | 3870026.18 | 0.00328 |
| 397120.74 | 3870026.18 | 0.00301 | 397170.74 | 3870026.18 | 0.00277 |
| 397220.74 | 3870026.18 | 0.00256 | 397270.74 | 3870026.18 | 0.00237 |
| 395270.74 | 3870076.18 | 0.00070 | 395320.74 | 3870076.18 | 0.00084 |
| 395370.74 | 3870076.18 | 0.00103 | 395420.74 | 3870076.18 | 0.00129 |
| 395470.74 | 3870076.18 | 0.00166 | 395520.74 | 3870076.18 | 0.00219 |
| 395570.74 | 3870076.18 | 0.00297 | 395620.74 | 3870076.18 | 0.00420 |
| 395670.74 | 3870076.18 | 0.00600 | 395720.74 | 3870076.18 | 0.00861 |
| 395770.74 | 3870076.18 | 0.01228 | 395820.74 | 3870076.18 | 0.01864 |
| 395870.74 | 3870076.18 | 0.03636 | 395920.74 | 3870076.18 | 0.08402 |
| 395970.74 | 3870076.18 | 0.14111 | 396020.74 | 3870076.18 | 0.15443 |
| 396070.74 | 3870076.18 | 0.12926 | 396120.74 | 3870076.18 | 0.09675 |
| 396170.74 | 3870076.18 | 0.07030 | 396220.74 | 3870076.18 | 0.05144 |
| 396270.74 | 3870076.18 | 0.03847 | 396320.74 | 3870076.18 | 0.02951 |
| 396370.74 | 3870076.18 | 0.02319 | 396420.74 | 3870076.18 | 0.01864 |
| 396470.74 | 3870076.18 | 0.01527 | 396520.74 | 3870076.18 | 0.01272 |

| | | |
|---|---|---|
| 396570.74 | 3870076.18 | 0.01075 |
| 396620.74 | 3870076.18 | 0.00920 |
| 396670.74 | 3870076.18 | 0.00797 |
| 396720.74 | 3870076.18 | 0.00696 |
| 396770.74 | 3870076.18 | 0.00613 |
| 396820.74 | 3870076.18 | 0.00545 |
| 396870.74 | 3870076.18 | 0.00487 |
| 396920.74 | 3870076.18 | 0.00438 |
| 396970.74 | 3870076.18 | 0.00396 |
| 397020.74 | 3870076.18 | 0.00360 |
| 397070.74 | 3870076.18 | 0.00328 |
| 397120.74 | 3870076.18 | 0.00301 |
| 397170.74 | 3870076.18 | 0.00277 |
| 397220.74 | 3870076.18 | 0.00256 |
| 397270.74 | 3870076.18 | 0.00237 |
| 395270.74 | 3870126.18 | 0.00066 |
| 395320.74 | 3870126.18 | 0.00080 |
| 395370.74 | 3870126.18 | 0.00099 |
| 395420.74 | 3870126.18 | 0.00124 |
| 395470.74 | 3870126.18 | 0.00160 |
| 395520.74 | 3870126.18 | 0.00209 |
| 395570.74 | 3870126.18 | 0.00275 |
| 395620.74 | 3870126.18 | 0.00364 |
| 395670.74 | 3870126.18 | 0.00479 |
| 395720.74 | 3870126.18 | 0.00628 |
| 395770.74 | 3870126.18 | 0.00822 |
| 395820.74 | 3870126.18 | 0.01165 |
| 395870.74 | 3870126.18 | 0.02044 |
| 395920.74 | 3870126.18 | 0.04077 |
| 395970.74 | 3870126.18 | 0.06882 |
| 396020.74 | 3870126.18 | 0.08862 |
| 396070.74 | 3870126.18 | 0.08927 |
| 396120.74 | 3870126.18 | 0.07746 |
| 396170.74 | 3870126.18 | 0.06225 |
| 396220.74 | 3870126.18 | 0.04852 |
| 396270.74 | 3870126.18 | 0.03766 |
| 396320.74 | 3870126.18 | 0.02949 |
| 396370.74 | 3870126.18 | 0.02343 |
| 396420.74 | 3870126.18 | 0.01893 |
| 396470.74 | 3870126.18 | 0.01553 |
| 396520.74 | 3870126.18 | 0.01294 |
| 396570.74 | 3870126.18 | 0.01093 |
| 396620.74 | 3870126.18 | 0.00934 |
| 396670.74 | 3870126.18 | 0.00806 |
| 396720.74 | 3870126.18 | 0.00703 |
| 396770.74 | 3870126.18 | 0.00619 |
| 396820.74 | 3870126.18 | 0.00549 |
| 396870.74 | 3870126.18 | 0.00490 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396920.74 | 3870126.18 | 0.00440 | 396970.74 | 3870126.18 | 0.00397 |
| 397020.74 | 3870126.18 | 0.00361 | 397070.74 | 3870126.18 | 0.00329 |
| 397120.74 | 3870126.18 | 0.00301 | 397170.74 | 3870126.18 | 0.00277 |
| 397220.74 | 3870126.18 | 0.00255 | 397270.74 | 3870126.18 | 0.00236 |
| 395270.74 | 3870176.18 | 0.00065 | 395320.74 | 3870176.18 | 0.00080 |
| 395370.74 | 3870176.18 | 0.00099 | 395420.74 | 3870176.18 | 0.00123 |
| 395470.74 | 3870176.18 | 0.00154 | 395520.74 | 3870176.18 | 0.00194 |
| 395570.74 | 3870176.18 | 0.00244 | 395620.74 | 3870176.18 | 0.00303 |
| 395670.74 | 3870176.18 | 0.00372 | 395720.74 | 3870176.18 | 0.00460 |
| 395770.74 | 3870176.18 | 0.00582 | 395820.74 | 3870176.18 | 0.00806 |
| 395870.74 | 3870176.18 | 0.01297 | 395920.74 | 3870176.18 | 0.02325 |
| 395970.74 | 3870176.18 | 0.03780 | 396020.74 | 3870176.18 | 0.05178 |
| 396070.74 | 3870176.18 | 0.05908 | 396120.74 | 3870176.18 | 0.05787 |
| 396170.74 | 3870176.18 | 0.05143 | 396220.74 | 3870176.18 | 0.04319 |
| 396270.74 | 3870176.18 | 0.03530 | 396320.74 | 3870176.18 | 0.02859 |
| 396370.74 | 3870176.18 | 0.02321 | 396420.74 | 3870176.18 | 0.01898 |

| | | |
|---|---|---|
| 396470.74 | 3870176.18 | 0.01569 |
| 396520.74 | 3870176.18 | 0.01312 |
| 396570.74 | 3870176.18 | 0.01109 |
| 396620.74 | 3870176.18 | 0.00948 |
| 396670.74 | 3870176.18 | 0.00818 |
| 396720.74 | 3870176.18 | 0.00713 |
| 396770.74 | 3870176.18 | 0.00626 |
| 396820.74 | 3870176.18 | 0.00554 |
| 396870.74 | 3870176.18 | 0.00494 |
| 396920.74 | 3870176.18 | 0.00443 |
| 396970.74 | 3870176.18 | 0.00400 |
| 397020.74 | 3870176.18 | 0.00362 |
| 397070.74 | 3870176.18 | 0.00330 |
| 397120.74 | 3870176.18 | 0.00302 |
| 397170.74 | 3870176.18 | 0.00277 |
| 397220.74 | 3870176.18 | 0.00256 |
| 397270.74 | 3870176.18 | 0.00236 |
| 395270.74 | 3870226.18 | 0.00066 |
| 395320.74 | 3870226.18 | 0.00080 |
| 395370.74 | 3870226.18 | 0.00097 |
| 395420.74 | 3870226.18 | 0.00119 |
| 395470.74 | 3870226.18 | 0.00144 |
| 395520.74 | 3870226.18 | 0.00173 |
| 395570.74 | 3870226.18 | 0.00208 |
| 395620.74 | 3870226.18 | 0.00245 |
| 395670.74 | 3870226.18 | 0.00288 |
| 395720.74 | 3870226.18 | 0.00343 |
| 395770.74 | 3870226.18 | 0.00434 |
| 395820.74 | 3870226.18 | 0.00590 |
| 395870.74 | 3870226.18 | 0.00889 |
| 395920.74 | 3870226.18 | 0.01469 |
| 395970.74 | 3870226.18 | 0.02286 |
| 396020.74 | 3870226.18 | 0.03187 |
| 396070.74 | 3870226.18 | 0.03886 |
| 396120.74 | 3870226.18 | 0.04171 |
| 396170.74 | 3870226.18 | 0.04041 |
| 396220.74 | 3870226.18 | 0.03654 |
| 396270.74 | 3870226.18 | 0.03163 |
| 396320.74 | 3870226.18 | 0.02674 |
| 396370.74 | 3870226.18 | 0.02236 |
| 396420.74 | 3870226.18 | 0.01867 |
| 396470.74 | 3870226.18 | 0.01564 |
| 396520.74 | 3870226.18 | 0.01319 |
| 396570.74 | 3870226.18 | 0.01120 |
| 396620.74 | 3870226.18 | 0.00960 |
| 396670.74 | 3870226.18 | 0.00830 |
| 396720.74 | 3870226.18 | 0.00723 |
| 396770.74 | 3870226.18 | 0.00635 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396820.74 | 3870226.18 | 0.00562 | 396870.74 | 3870226.18 | 0.00500 |
| 396920.74 | 3870226.18 | 0.00448 | 396970.74 | 3870226.18 | 0.00404 |
| 397020.74 | 3870226.18 | 0.00366 | 397070.74 | 3870226.18 | 0.00333 |
| 397120.74 | 3870226.18 | 0.00304 | 397170.74 | 3870226.18 | 0.00279 |
| 397220.74 | 3870226.18 | 0.00257 | 397270.74 | 3870226.18 | 0.00237 |
| 395270.74 | 3870276.18 | 0.00067 | 395320.74 | 3870276.18 | 0.00079 |
| 395370.74 | 3870276.18 | 0.00094 | 395420.74 | 3870276.18 | 0.00111 |
| 395470.74 | 3870276.18 | 0.00130 | 395520.74 | 3870276.18 | 0.00150 |
| 395570.74 | 3870276.18 | 0.00172 | 395620.74 | 3870276.18 | 0.00197 |
| 395670.74 | 3870276.18 | 0.00227 | 395720.74 | 3870276.18 | 0.00267 |
| 395770.74 | 3870276.18 | 0.00336 | 395820.74 | 3870276.18 | 0.00448 |
| 395870.74 | 3870276.18 | 0.00645 | 395920.74 | 3870276.18 | 0.00974 |
| 395970.74 | 3870276.18 | 0.01488 | 396020.74 | 3870276.18 | 0.02068 |
| 396070.74 | 3870276.18 | 0.02606 | 396120.74 | 3870276.18 | 0.02973 |
| 396170.74 | 3870276.18 | 0.03082 | 396220.74 | 3870276.18 | 0.02974 |
| 396270.74 | 3870276.18 | 0.02725 | 396320.74 | 3870276.18 | 0.02412 |

| | | |
|---|---|---|
| 396370.74 | 3870276.18 | 0.02091 |
| 396420.74 | 3870276.18 | 0.01792 |
| 396470.74 | 3870276.18 | 0.01530 |
| 396520.74 | 3870276.18 | 0.01307 |
| 396570.74 | 3870276.18 | 0.01121 |
| 396620.74 | 3870276.18 | 0.00966 |
| 396670.74 | 3870276.18 | 0.00838 |
| 396720.74 | 3870276.18 | 0.00732 |
| 396770.74 | 3870276.18 | 0.00644 |
| 396820.74 | 3870276.18 | 0.00569 |
| 396870.74 | 3870276.18 | 0.00507 |
| 396920.74 | 3870276.18 | 0.00454 |
| 396970.74 | 3870276.18 | 0.00409 |
| 397020.74 | 3870276.18 | 0.00370 |
| 397070.74 | 3870276.18 | 0.00336 |
| 397120.74 | 3870276.18 | 0.00307 |
| 397170.74 | 3870276.18 | 0.00282 |
| 397220.74 | 3870276.18 | 0.00259 |
| 397270.74 | 3870276.18 | 0.00239 |
| 395270.74 | 3870326.18 | 0.00066 |
| 395320.74 | 3870326.18 | 0.00076 |
| 395370.74 | 3870326.18 | 0.00088 |
| 395420.74 | 3870326.18 | 0.00100 |
| 395470.74 | 3870326.18 | 0.00114 |
| 395520.74 | 3870326.18 | 0.00127 |
| 395570.74 | 3870326.18 | 0.00142 |
| 395620.74 | 3870326.18 | 0.00160 |
| 395670.74 | 3870326.18 | 0.00182 |
| 395720.74 | 3870326.18 | 0.00214 |
| 395770.74 | 3870326.18 | 0.00268 |
| 395820.74 | 3870326.18 | 0.00351 |
| 395870.74 | 3870326.18 | 0.00486 |
| 395920.74 | 3870326.18 | 0.00698 |
| 395970.74 | 3870326.18 | 0.01012 |
| 396020.74 | 3870326.18 | 0.01407 |
| 396070.74 | 3870326.18 | 0.01798 |
| 396120.74 | 3870326.18 | 0.02122 |
| 396170.74 | 3870326.18 | 0.02320 |
| 396220.74 | 3870326.18 | 0.02362 |
| 396270.74 | 3870326.18 | 0.02277 |
| 396320.74 | 3870326.18 | 0.02109 |
| 396370.74 | 3870326.18 | 0.01898 |
| 396420.74 | 3870326.18 | 0.01677 |
| 396470.74 | 3870326.18 | 0.01466 |
| 396520.74 | 3870326.18 | 0.01274 |
| 396570.74 | 3870326.18 | 0.01107 |
| 396620.74 | 3870326.18 | 0.00963 |
| 396670.74 | 3870326.18 | 0.00841 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396720.74 | 3870326.18 | 0.00737 | 396770.74 | 3870326.18 | 0.00650 |
| 396820.74 | 3870326.18 | 0.00576 | 396870.74 | 3870326.18 | 0.00514 |
| 396920.74 | 3870326.18 | 0.00460 | 396970.74 | 3870326.18 | 0.00414 |
| 397020.74 | 3870326.18 | 0.00375 | 397070.74 | 3870326.18 | 0.00341 |
| 397120.74 | 3870326.18 | 0.00311 | 397170.74 | 3870326.18 | 0.00285 |
| 397220.74 | 3870326.18 | 0.00262 | 397270.74 | 3870326.18 | 0.00242 |
| 395270.74 | 3870376.18 | 0.00064 | 395320.74 | 3870376.18 | 0.00072 |
| 395370.74 | 3870376.18 | 0.00080 | 395420.74 | 3870376.18 | 0.00089 |
| 395470.74 | 3870376.18 | 0.00098 | 395520.74 | 3870376.18 | 0.00107 |
| 395570.74 | 3870376.18 | 0.00118 | 395620.74 | 3870376.18 | 0.00131 |
| 395670.74 | 3870376.18 | 0.00150 | 395720.74 | 3870376.18 | 0.00177 |
| 395770.74 | 3870376.18 | 0.00219 | 395820.74 | 3870376.18 | 0.00282 |
| 395870.74 | 3870376.18 | 0.00377 | 395920.74 | 3870376.18 | 0.00521 |
| 395970.74 | 3870376.18 | 0.00723 | 396020.74 | 3870376.18 | 0.00997 |
| 396070.74 | 3870376.18 | 0.01279 | 396120.74 | 3870376.18 | 0.01541 |
| 396170.74 | 3870376.18 | 0.01744 | 396220.74 | 3870376.18 | 0.01851 |

| | | |
|---|---|---|
| 396270.74 | 3870376.18 | 0.01864 |
| 396320.74 | 3870376.18 | 0.01798 |
| 396370.74 | 3870376.18 | 0.01679 |
| 396420.74 | 3870376.18 | 0.01531 |
| 396470.74 | 3870376.18 | 0.01373 |
| 396520.74 | 3870376.18 | 0.01219 |
| 396570.74 | 3870376.18 | 0.01076 |
| 396620.74 | 3870376.18 | 0.00947 |
| 396670.74 | 3870376.18 | 0.00835 |
| 396720.74 | 3870376.18 | 0.00737 |
| 396770.74 | 3870376.18 | 0.00653 |
| 396820.74 | 3870376.18 | 0.00581 |
| 396870.74 | 3870376.18 | 0.00519 |
| 396920.74 | 3870376.18 | 0.00466 |
| 396970.74 | 3870376.18 | 0.00420 |
| 397020.74 | 3870376.18 | 0.00380 |
| 397070.74 | 3870376.18 | 0.00345 |
| 397120.74 | 3870376.18 | 0.00315 |
| 397170.74 | 3870376.18 | 0.00289 |
| 397220.74 | 3870376.18 | 0.00265 |
| 397270.74 | 3870376.18 | 0.00245 |
| 395270.74 | 3870426.18 | 0.00060 |
| 395320.74 | 3870426.18 | 0.00066 |
| 395370.74 | 3870426.18 | 0.00072 |
| 395420.74 | 3870426.18 | 0.00078 |
| 395470.74 | 3870426.18 | 0.00084 |
| 395520.74 | 3870426.18 | 0.00091 |
| 395570.74 | 3870426.18 | 0.00099 |
| 395620.74 | 3870426.18 | 0.00110 |
| 395670.74 | 3870426.18 | 0.00126 |
| 395720.74 | 3870426.18 | 0.00148 |
| 395770.74 | 3870426.18 | 0.00180 |
| 395820.74 | 3870426.18 | 0.00230 |
| 395870.74 | 3870426.18 | 0.00300 |
| 395920.74 | 3870426.18 | 0.00401 |
| 395970.74 | 3870426.18 | 0.00541 |
| 396020.74 | 3870426.18 | 0.00723 |
| 396070.74 | 3870426.18 | 0.00936 |
| 396120.74 | 3870426.18 | 0.01140 |
| 396170.74 | 3870426.18 | 0.01316 |
| 396220.74 | 3870426.18 | 0.01444 |
| 396270.74 | 3870426.18 | 0.01506 |
| 396320.74 | 3870426.18 | 0.01506 |
| 396370.74 | 3870426.18 | 0.01455 |
| 396420.74 | 3870426.18 | 0.01368 |
| 396470.74 | 3870426.18 | 0.01260 |
| 396520.74 | 3870426.18 | 0.01144 |
| 396570.74 | 3870426.18 | 0.01028 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396620.74 | 3870426.18 | 0.00919 | 396670.74 | 3870426.18 | 0.00819 |
| 396720.74 | 3870426.18 | 0.00730 | 396770.74 | 3870426.18 | 0.00651 |
| 396820.74 | 3870426.18 | 0.00582 | 396870.74 | 3870426.18 | 0.00522 |
| 396920.74 | 3870426.18 | 0.00469 | 396970.74 | 3870426.18 | 0.00424 |
| 397020.74 | 3870426.18 | 0.00384 | 397070.74 | 3870426.18 | 0.00350 |
| 397120.74 | 3870426.18 | 0.00319 | 397170.74 | 3870426.18 | 0.00293 |
| 397220.74 | 3870426.18 | 0.00269 | 397270.74 | 3870426.18 | 0.00248 |
| 395270.74 | 3870476.18 | 0.00055 | 395320.74 | 3870476.18 | 0.00059 |
| 395370.74 | 3870476.18 | 0.00063 | 395420.74 | 3870476.18 | 0.00067 |
| 395470.74 | 3870476.18 | 0.00072 | 395520.74 | 3870476.18 | 0.00077 |
| 395570.74 | 3870476.18 | 0.00085 | 395620.74 | 3870476.18 | 0.00094 |
| 395670.74 | 3870476.18 | 0.00107 | 395720.74 | 3870476.18 | 0.00126 |
| 395770.74 | 3870476.18 | 0.00152 | 395820.74 | 3870476.18 | 0.00189 |
| 395870.74 | 3870476.18 | 0.00241 | 395920.74 | 3870476.18 | 0.00317 |
| 395970.74 | 3870476.18 | 0.00416 | 396020.74 | 3870476.18 | 0.00543 |
| 396070.74 | 3870476.18 | 0.00699 | 396120.74 | 3870476.18 | 0.00860 |

| | | |
|---|---|---|
| 396170.74 | 3870476.18 | 0.01008 |
| 396220.74 | 3870476.18 | 0.01128 |
| 396270.74 | 3870476.18 | 0.01209 |
| 396320.74 | 3870476.18 | 0.01246 |
| 396370.74 | 3870476.18 | 0.01240 |
| 396420.74 | 3870476.18 | 0.01200 |
| 396470.74 | 3870476.18 | 0.01135 |
| 396520.74 | 3870476.18 | 0.01054 |
| 396570.74 | 3870476.18 | 0.00967 |
| 396620.74 | 3870476.18 | 0.00879 |
| 396670.74 | 3870476.18 | 0.00794 |
| 396720.74 | 3870476.18 | 0.00715 |
| 396770.74 | 3870476.18 | 0.00643 |
| 396820.74 | 3870476.18 | 0.00579 |
| 396870.74 | 3870476.18 | 0.00521 |
| 396920.74 | 3870476.18 | 0.00471 |
| 396970.74 | 3870476.18 | 0.00427 |
| 397020.74 | 3870476.18 | 0.00388 |
| 397070.74 | 3870476.18 | 0.00353 |
| 397120.74 | 3870476.18 | 0.00323 |
| 397170.74 | 3870476.18 | 0.00296 |
| 397220.74 | 3870476.18 | 0.00272 |
| 397270.74 | 3870476.18 | 0.00251 |
| 395270.74 | 3870526.18 | 0.00050 |
| 395320.74 | 3870526.18 | 0.00053 |
| 395370.74 | 3870526.18 | 0.00055 |
| 395420.74 | 3870526.18 | 0.00058 |
| 395470.74 | 3870526.18 | 0.00062 |
| 395520.74 | 3870526.18 | 0.00067 |
| 395570.74 | 3870526.18 | 0.00073 |
| 395620.74 | 3870526.18 | 0.00081 |
| 395670.74 | 3870526.18 | 0.00092 |
| 395720.74 | 3870526.18 | 0.00108 |
| 395770.74 | 3870526.18 | 0.00130 |
| 395820.74 | 3870526.18 | 0.00159 |
| 395870.74 | 3870526.18 | 0.00199 |
| 395920.74 | 3870526.18 | 0.00256 |
| 395970.74 | 3870526.18 | 0.00329 |
| 396020.74 | 3870526.18 | 0.00422 |
| 396070.74 | 3870526.18 | 0.00533 |
| 396120.74 | 3870526.18 | 0.00659 |
| 396170.74 | 3870526.18 | 0.00782 |
| 396220.74 | 3870526.18 | 0.00888 |
| 396270.74 | 3870526.18 | 0.00971 |
| 396320.74 | 3870526.18 | 0.01024 |
| 396370.74 | 3870526.18 | 0.01046 |
| 396420.74 | 3870526.18 | 0.01038 |
| 396470.74 | 3870526.18 | 0.01006 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396520.74 | 3870526.18 | 0.00956 | 396570.74 | 3870526.18 | 0.00895 |
| 396620.74 | 3870526.18 | 0.00828 | 396670.74 | 3870526.18 | 0.00759 |
| 396720.74 | 3870526.18 | 0.00692 | 396770.74 | 3870526.18 | 0.00629 |
| 396820.74 | 3870526.18 | 0.00570 | 396870.74 | 3870526.18 | 0.00517 |
| 396920.74 | 3870526.18 | 0.00470 | 396970.74 | 3870526.18 | 0.00427 |
| 397020.74 | 3870526.18 | 0.00389 | 397070.74 | 3870526.18 | 0.00355 |
| 397120.74 | 3870526.18 | 0.00326 | 397170.74 | 3870526.18 | 0.00299 |
| 397220.74 | 3870526.18 | 0.00275 | 397270.74 | 3870526.18 | 0.00254 |
| 395270.74 | 3870576.18 | 0.00045 | 395320.74 | 3870576.18 | 0.00047 |
| 395370.74 | 3870576.18 | 0.00049 | 395420.74 | 3870576.18 | 0.00051 |
| 395470.74 | 3870576.18 | 0.00054 | 395520.74 | 3870576.18 | 0.00058 |
| 395570.74 | 3870576.18 | 0.00064 | 395620.74 | 3870576.18 | 0.00071 |
| 395670.74 | 3870576.18 | 0.00081 | 395720.74 | 3870576.18 | 0.00094 |
| 395770.74 | 3870576.18 | 0.00112 | 395820.74 | 3870576.18 | 0.00136 |
| 395870.74 | 3870576.18 | 0.00167 | 395920.74 | 3870576.18 | 0.00209 |
| 395970.74 | 3870576.18 | 0.00265 | 396020.74 | 3870576.18 | 0.00335 |

| | | |
|---|---|---|
| 396070.74 | 3870576.18 | 0.00418 |
| 396120.74 | 3870576.18 | 0.00512 |
| 396170.74 | 3870576.18 | 0.00610 |
| 396220.74 | 3870576.18 | 0.00702 |
| 396270.74 | 3870576.18 | 0.00783 |
| 396320.74 | 3870576.18 | 0.00841 |
| 396370.74 | 3870576.18 | 0.00877 |
| 396420.74 | 3870576.18 | 0.00890 |
| 396470.74 | 3870576.18 | 0.00881 |
| 396520.74 | 3870576.18 | 0.00855 |
| 396570.74 | 3870576.18 | 0.00816 |
| 396620.74 | 3870576.18 | 0.00769 |
| 396670.74 | 3870576.18 | 0.00716 |
| 396720.74 | 3870576.18 | 0.00662 |
| 396770.74 | 3870576.18 | 0.00608 |
| 396820.74 | 3870576.18 | 0.00557 |
| 396870.74 | 3870576.18 | 0.00509 |
| 396920.74 | 3870576.18 | 0.00465 |
| 396970.74 | 3870576.18 | 0.00425 |
| 397020.74 | 3870576.18 | 0.00389 |
| 397070.74 | 3870576.18 | 0.00356 |
| 397120.74 | 3870576.18 | 0.00327 |
| 397170.74 | 3870576.18 | 0.00301 |
| 397220.74 | 3870576.18 | 0.00278 |
| 397270.74 | 3870576.18 | 0.00257 |
| 395270.74 | 3870626.18 | 0.00040 |
| 395320.74 | 3870626.18 | 0.00041 |
| 395370.74 | 3870626.18 | 0.00043 |
| 395420.74 | 3870626.18 | 0.00045 |
| 395470.74 | 3870626.18 | 0.00048 |
| 395520.74 | 3870626.18 | 0.00052 |
| 395570.74 | 3870626.18 | 0.00057 |
| 395620.74 | 3870626.18 | 0.00063 |
| 395670.74 | 3870626.18 | 0.00071 |
| 395720.74 | 3870626.18 | 0.00082 |
| 395770.74 | 3870626.18 | 0.00097 |
| 395820.74 | 3870626.18 | 0.00117 |
| 395870.74 | 3870626.18 | 0.00142 |
| 395920.74 | 3870626.18 | 0.00174 |
| 395970.74 | 3870626.18 | 0.00217 |
| 396020.74 | 3870626.18 | 0.00270 |
| 396070.74 | 3870626.18 | 0.00335 |
| 396120.74 | 3870626.18 | 0.00408 |
| 396170.74 | 3870626.18 | 0.00485 |
| 396220.74 | 3870626.18 | 0.00562 |
| 396270.74 | 3870626.18 | 0.00631 |
| 396320.74 | 3870626.18 | 0.00690 |
| 396370.74 | 3870626.18 | 0.00732 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 396420.74 | 3870626.18 | 0.00757 | 396470.74 | 3870626.18 | 0.00765 |
| 396520.74 | 3870626.18 | 0.00757 | 396570.74 | 3870626.18 | 0.00736 |
| 396620.74 | 3870626.18 | 0.00705 | 396670.74 | 3870626.18 | 0.00667 |
| 396720.74 | 3870626.18 | 0.00625 | 396770.74 | 3870626.18 | 0.00582 |
| 396820.74 | 3870626.18 | 0.00538 | 396870.74 | 3870626.18 | 0.00497 |
| 396920.74 | 3870626.18 | 0.00457 | 396970.74 | 3870626.18 | 0.00420 |
| 397020.74 | 3870626.18 | 0.00386 | 397070.74 | 3870626.18 | 0.00355 |
| 397120.74 | 3870626.18 | 0.00327 | 397170.74 | 3870626.18 | 0.00302 |
| 397220.74 | 3870626.18 | 0.00279 | 397270.74 | 3870626.18 | 0.00258 |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | 394711.79 | 394861.79 | 395011.79 | 395161.79 | 395311.79 |
|---|---|---|---|---|---|---|
| 3871011.5 | 2.27244 (11053108) | 1.77956 (11053108) | 1.19779 (12050708) | 1.27855 (11053008) | 1.60509 (11053008) | |
| 3870861.5 | 2.63993 (11053108) | 2.57630 (11053108) | 2.00701 (11053108) | 1.45939 (12050708) | 1.90432 (11053008) | |
| 3870711.5 | 2.61786 (12052108) | 2.92779 (11053108) | 3.00426 (11053108) | 2.35723 (11053108) | 1.89467 (11053008) | |
| 3870561.5 | 2.32420 (12052108) | 2.90126 (12052108) | 3.30139 (11053108) | 3.71919 (11053108) | 3.00443 (11053108) | |
| 3870411.5 | 1.40029 (12052108) | 2.18984 (12052108) | 3.17432 (12052108) | 4.06813 (12052108) | 5.13580 (11053108) | |
| 3870261.5 | 0.90991 (11050413) | 1.17585 (11050413) | 1.88567 (12052108) | 3.42441 (12052108) | 5.69185 (12052108) | |
| 3870111.5 | 0.97880 (11053107) | 1.23499 (10051910) | 1.66198 (10051910) | 2.41247 (11050413) | 3.71925 (11050413) | |
| 3869961.5 | 3.10664 (11053107) | 3.58484 (11053107) | 4.36107 (11053107) | 5.67676 (11053107) | 8.03531 (11053107) | |
| 3869811.5 | 4.23185 (11053107) | 4.83916 (11053107) | 5.76795 (11053107) | 7.25538 (11053107) | 9.68146 (11053107) | |
| 3869661.5 | 2.72703 (13050607) | 4.05896 (13050607) | 5.90885 (13050607) | 8.06353 (13050607) | 9.58657 (13050607) | |
| 3869511.5 | 3.67765 (13050607) | 4.08211 (13050607) | 3.97117 (13050607) | 3.28222 (13050108) | 4.02776 (13050108) | |
| 3869361.5 | 2.08385 (13050607) | 1.65824 (13050108) | 2.02233 (13050108) | 2.07170 (13050115) | 3.33105 (13050107) | |
| 3869211.5 | 1.21232 (13050108) | 1.26055 (13050108) | 1.41684 (13050115) | 2.04134 (13050107) | 3.91414 (13050107) | |
| 3869061.5 | 0.85116 (13050115) | 1.01546 (13050115) | 1.37361 (13050107) | 2.52390 (13050107) | 3.26293 (13050107) | |

| | | | | | |
|---|---|---|---|---|---|
| 3868911.5 | 0.75529 (13050115) | 0.98128 (13050107) | 1.74325 (13050107) | 2.36056 (13050107) | 2.22882 (13050107) |
| 3868761.5 | 0.73639 (13050107) | 1.26994 (13050107) | 1.76355 (13050107) | 1.84789 (13050107) | 1.35733 (13050107) |
| 3868611.5 | 0.96438 (13050107) | 1.35483 (13050107) | 1.51648 (13050107) | 1.28121 (13050107) | 0.83118 (12050812) |
| 3868461.5 | 1.06825 (13050107) | 1.24863 (13050107) | 1.16180 (13050107) | 0.82311 (13050107) | 0.81035 (11050410) |
| 3868311.5 | 1.03911 (13050107) | 1.03607 (13050107) | 0.82506 (13050107) | 0.61940 (11050410) | 0.80845 (11050410) |
| 3868161.5 | 0.91744 (13050107) | 0.79273 (13050107) | 0.55039 (13050107) | 0.65048 (11050410) | 0.79908 (11050410) |
| 3868011.5 | 0.74929 (13050107) | 0.57353 (13050107) | 0.51292 (11050410) | 0.66524 (11050410) | 0.77884 (11050410) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | 395461.79 | 395611.79 | 395761.79 | 395911.79 | 396061.79 |
|---|---|---|---|---|---|---|
| 3871011.5 | 1.77746 (09051908) | 1.89694 (09051908) | 1.85304 (10052509) | 2.98062 (09051907) | 3.20684 (09051807) | |
| 3870861.5 | 1.97742 (11053008) | 2.62528 (09051908) | 2.31617 (10052509) | 3.84076 (09051907) | 4.60639 (09051807) | |
| 3870711.5 | 2.82225 (11053008) | 3.53252 (09051908) | 2.99305 (10052509) | 5.21820 (09051907) | 6.66784 (09051807) | |
| 3870561.5 | 3.42306 (11053008) | 4.42496 (09051908) | 4.73677 (09051908) | 7.79890 (09051907) | 9.46490 (09051807) | |
| 3870411.5 | 4.85322 (12050708) | 6.85422 (11053008) | 8.74241 (09051908) | 12.85247 (09051907) | 12.69161 (09051808) | |
| 3870261.5 | 8.56010 (11053108) | 9.81870 (12050708) | 16.41420 (09051908) | 25.12534 (09051907) | 21.32899 (13052107) | |
| 3870111.5 | 8.42527 (12052108) | 19.19290 (11053108) | 36.53376 (11053008) | 69.88326 (09051807) | 68.90769 (09050507) | |
| 3869961.5 | 12.66634 (11053107) | 23.61279 (11053107) | 88.23429 (12052108) | 726.28305 (10052508) | 81.13870 (12052807) | |
| 3869811.5 | 19.73021 (13050607) | 44.79826 (13050607) | 76.87980 (13050107) | 357.72697 (11050307) | 57.32939 (13050608) | |
| 3869661.5 | 8.83533 (13050108) | 16.23378 (13050107) | 35.49539 (13050107) | 61.32479 (11050307) | 19.41168 (09051815) | |
| 3869511.5 | 6.46252 (13050107) | 14.06310 (13050107) | 8.39731 (12050913) | 20.50732 (11050307) | 17.99025 (11050307) | |
| 3869361.5 | 6.78211 (13050107) | 6.72565 (13050107) | 6.71373 (10051907) | 10.16234 (10051907) | 17.09349 (11050307) | |
| 3869211.5 | 4.64578 (13050107) | 2.68435 (13050107) | 5.33930 (10051907) | 6.66160 (10051907) | 13.32857 (11050307) | |
| 3869061.5 | 2.59063 (13050107) | 1.85148 (11050410) | 4.27681 (10051907) | 4.76775 (10051907) | 9.95175 (11050307) | |

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|---|---|---|---|---|---|
| 3868911.5 | 1.34362 (12050812) | 1.65440 (11052508) | 3.49815 (10051907) | 3.62704 (10051907) | 7.49057 (11050307) |
| 3868761.5 | 1.11405 (11050410) | 1.63999 (11052508) | 2.93614 (10051907) | 2.89043 (10051907) | 5.71259 (11050307) |
| 3868611.5 | 1.04255 (11050410) | 1.62648 (11052508) | 2.52637 (10051907) | 2.39978 (10051907) | 4.51683 (11050307) |
| 3868461.5 | 0.97745 (11050410) | 1.60585 (11052508) | 2.22735 (10051907) | 2.05948 (10051907) | 3.53958 (11050307) |
| 3868311.5 | 0.97914 (11052508) | 1.57622 (11052508) | 2.00699 (10051907) | 1.81614 (10051907) | 2.80154 (11050307) |
| 3868161.5 | 1.03116 (11052508) | 1.54525 (11052508) | 1.83490 (10051907) | 1.63575 (10051907) | 2.24248 (11050307) |
| 3868011.5 | 1.06687 (11052508) | 1.50837 (11052508) | 1.70266 (10051907) | 1.50425 (11052508) | 1.80380 (11050307) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | 396211.79 | 396361.79 | 396511.79 | 396661.79 | 396811.79 |
|---|---|---|---|---|---|---|
| 3871011.5 | 3.25321 (09051807) | 2.88679 (11052507) | 2.56829 (13052107) | 2.07704 (09050507) | 3.20014 (09050507) | |
| 3870861.5 | 4.07738 (11052507) | 3.16007 (13052107) | 2.85211 (13052107) | 4.08400 (09050507) | 4.02057 (09050507) | |
| 3870711.5 | 5.21131 (11052507) | 4.51617 (13052107) | 5.35307 (09050507) | 5.59450 (09050507) | 3.40137 (09050507) | |
| 3870561.5 | 6.62854 (13052107) | 7.17384 (09050507) | 8.19339 (09050507) | 4.63356 (09050507) | 2.99684 (12050908) | |
| 3870411.5 | 10.05049 (13052107) | 13.28455 (09050507) | 6.62106 (09050507) | 3.67662 (12052807) | 4.19852 (12052807) | |
| 3870261.5 | 25.37083 (09050507) | 10.06872 (09050507) | 7.18688 (13051307) | 5.91244 (12052807) | 4.39122 (12052807) | |
| 3870111.5 | 21.10922 (13051307) | 13.38018 (13051307) | 7.02041 (12052807) | 4.40474 (13051407) | 2.91423 (13050609) | |
| 3869961.5 | 26.14421 (11050207) | 14.58754 (11050207) | 9.73677 (11050207) | 7.06480 (11050207) | 5.49520 (11050207) | |
| 3869811.5 | 20.32661 (13050608) | 14.13844 (11050207) | 10.62273 (11050207) | 8.21553 (11050207) | 6.62613 (11050207) | |
| 3869661.5 | 9.81706 (13050608) | 9.89645 (13050608) | 6.45877 (13050608) | 3.65227 (13050608) | 2.24048 (11050207) | |
| 3869511.5 | 6.17881 (12051612) | 3.13327 (12051612) | 4.14980 (13050608) | 3.97508 (13050608) | 3.07726 (13050608) | |
| 3869361.5 | 5.90925 (09051815) | 2.93084 (12051612) | 1.70008 (12051612) | 1.83182 (13050608) | 2.20728 (13050608) | |
| 3869211.5 | 4.78679 (09051815) | 2.54136 (09051815) | 1.71982 (12051612) | 1.08621 (12051612) | 0.86544 (13050608) | |
| 3869061.5 | 5.66113 (11050307) | 2.84632 (09051815) | 1.40268 (12051612) | 1.14052 (12051612) | 0.76063 (12051612) | |

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|---|---|---|---|---|---|
| 3868911.5 | 6.44384 (11050307) | 2.48401 (09051815) | 1.57539 (09051815) | 1.00814 (12051612) | 0.81665 (12051612) |
| 3868761.5 | 6.63967 (11050307) | 2.55503 (11050307) | 1.67494 (09051815) | 0.86675 (09051815) | 0.76202 (12051612) |
| 3868611.5 | 6.42936 (11050307) | 3.48265 (11050307) | 1.52088 (09051815) | 1.05721 (09051815) | 0.64568 (12051612) |
| 3868461.5 | 5.89468 (11050307) | 4.17460 (11050307) | 1.34850 (11050307) | 1.10248 (09051815) | 0.65387 (09051815) |
| 3868311.5 | 5.26858 (11050307) | 4.58840 (11050307) | 1.97022 (11050307) | 1.02611 (09051815) | 0.75518 (09051815) |
| 3868161.5 | 4.60791 (11050307) | 4.75804 (11050307) | 2.57420 (11050307) | 0.88247 (09051815) | 0.78036 (09051815) |
| 3868011.5 | 3.98781 (11050307) | 4.71720 (11050307) | 3.08674 (11050307) | 1.16360 (11050307) | 0.73932 (09051815) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) 396961.79 | 397111.79 | 397261.79 | 397411.79 | 397561.79 |
|---|---|---|---|---|---|
| 3871011.5 | 3.10373 (09050507) | 2.12873 (09050507) | 2.20882 (12050908) | 2.05767 (12050908) | 1.75048 (12050908) |
| 3870861.5 | 2.61067 (09050507) | 2.42928 (12050908) | 2.16280 (12050908) | 1.84816 (12052807) | 2.23635 (12052807) |
| 3870711.5 | 2.68518 (12050908) | 2.23760 (12050908) | 2.48228 (12052807) | 2.77100 (12052807) | 2.79531 (12052807) |
| 3870561.5 | 2.85337 (12052807) | 3.24688 (12052807) | 3.23898 (12052807) | 2.95522 (12052807) | 2.53172 (12052807) |
| 3870411.5 | 4.01047 (12052807) | 3.43004 (12052807) | 2.74440 (12052807) | 2.10999 (12052807) | 1.58049 (12052807) |
| 3870261.5 | 3.06112 (12052807) | 2.07260 (12052807) | 1.63023 (10050308) | 1.39897 (10051208) | 1.27734 (10051208) |
| 3870111.5 | 2.26990 (10051208) | 1.82654 (10051208) | 1.57885 (09051810) | 1.45728 (09051810) | 1.36403 (09051810) |
| 3869961.5 | 4.51995 (11050207) | 3.90614 (11050207) | 3.49822 (11050207) | 3.20185 (11050207) | 2.96067 (11050207) |
| 3869811.5 | 5.59206 (11050207) | 4.90570 (11050207) | 4.43175 (11050207) | 4.07956 (11050207) | 3.79149 (11050207) |
| 3869661.5 | 2.40382 (11050207) | 2.50908 (11050207) | 2.58869 (11050207) | 2.63773 (11050207) | 2.65549 (11050207) |
| 3869511.5 | 2.13047 (13050608) | 1.43457 (09051812) | 1.20709 (09051812) | 1.02131 (09051812) | 1.02885 (11050207) |
| 3869361.5 | 2.12843 (13050608) | 1.78421 (13050608) | 1.39204 (13050608) | 1.14799 (09051812) | 1.03944 (09051812) |
| 3869211.5 | 1.20869 (13050608) | 1.35992 (13050608) | 1.35252 (13050608) | 1.21469 (13050608) | 1.03282 (09051812) |
| 3869061.5 | 0.46938 (09051812) | 0.67701 (13050608) | 0.87116 (13050608) | 0.96695 (13050608) | 0.96862 (13050608) |

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|---|---|---|---|---|---|
| 3868911.5 | 0.56654 (12051612) | 0.35173 (12051612) | 0.43793 (09051812) | 0.55199 (13050608) | 0.67028 (13050608) |
| 3868761.5 | 0.61844 (12051612) | 0.44240 (12051612) | 0.28867 (12051612) | 0.32494 (09051812) | 0.42123 (09051812) |
| 3868611.5 | 0.60009 (12051612) | 0.48884 (12051612) | 0.35908 (12051612) | 0.24313 (12051612) | 0.24642 (09051812) |
| 3868461.5 | 0.53461 (12051612) | 0.48873 (12051612) | 0.40032 (12051612) | 0.30056 (12051612) | 0.20969 (12051612) |
| 3868311.5 | 0.44678 (12051612) | 0.45232 (12051612) | 0.40934 (12051612) | 0.33756 (12051612) | 0.25785 (12051612) |
| 3868161.5 | 0.50448 (09051815) | 0.39518 (12051612) | 0.39041 (12051612) | 0.35147 (12051612) | 0.29105 (12051612) |
| 3868011.5 | 0.56516 (09051815) | 0.33275 (09051815) | 0.35302 (12051612) | 0.34342 (12051612) | 0.30797 (12051612) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) (METERS) | X-COORD 397711.79 |
|---|---|
| 3871011.5 | 1.74700 (12052807) |
| 3870861.5 | 2.44562 (12052807) |
| 3870711.5 | 2.62311 (12052807) |
| 3870561.5 | 2.07633 (12052807) |
| 3870411.5 | 1.33914 (10050308) |
| 3870261.5 | 1.16882 (10051208) |
| 3870111.5 | 1.28561 (09051810) |
| 3869961.5 | 2.75863 (11050207) |
| 3869811.5 | 3.54698 (11050207) |
| 3869661.5 | 2.64550 (11050207) |
| 3869511.5 | 1.16014 (11050207) |
| 3869361.5 | 0.93633 (09051812) |
| 3869211.5 | 0.98669 (09051812) |
| 3869061.5 | 0.89874 (09051812) |
| 3868911.5 | 0.73037 (13050608) |
| 3868761.5 | 0.50979 (09051812) |
| 3868611.5 | 0.32742 (09051812) |
| 3868461.5 | 0.19160 (09051812) |
| 3868311.5 | 0.18451 (12051612) |
| 3868161.5 | 0.22590 (12051612) |
| 3868011.5 | 0.25616 (12051612) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395270.74 | 3868626.18 | 0.97060 | (13050107) | 395320.74 | 3868626.18 | 0.84876 | (12050812) |
| 395370.74 | 3868626.18 | 0.90576 | (11050410) | 395420.74 | 3868626.18 | 0.99033 | (11050410) |
| 395470.74 | 3868626.18 | 1.06011 | (11050410) | 395520.74 | 3868626.18 | 1.10851 | (11050410) |
| 395570.74 | 3868626.18 | 1.39402 | (11052508) | 395620.74 | 3868626.18 | 1.68078 | (11052508) |
| 395670.74 | 3868626.18 | 1.93832 | (11052508) | 395720.74 | 3868626.18 | 2.28383 | (10051907) |
| 395770.74 | 3868626.18 | 2.61009 | (10051907) | 395820.74 | 3868626.18 | 2.74431 | (10051907) |
| 395270.74 | 3868676.18 | 1.15765 | (13050107) | 395320.74 | 3868676.18 | 0.95106 | (13050107) |
| 395370.74 | 3868676.18 | 0.90816 | (11050410) | 395420.74 | 3868676.18 | 1.00448 | (11050410) |
| 395470.74 | 3868676.18 | 1.08582 | (11050410) | 395520.74 | 3868676.18 | 1.14578 | (11050410) |
| 395570.74 | 3868676.18 | 1.37806 | (11052508) | 395620.74 | 3868676.18 | 1.68536 | (11052508) |
| 395670.74 | 3868676.18 | 1.96909 | (11052508) | 395720.74 | 3868676.18 | 2.37543 | (10051907) |
| 395770.74 | 3868676.18 | 2.74205 | (10051907) | 395820.74 | 3868676.18 | 2.90406 | (10051907) |
| 395270.74 | 3868726.18 | 1.36982 | (13050107) | 395320.74 | 3868726.18 | 1.15364 | (13050107) |
| 395370.74 | 3868726.18 | 0.98709 | (12050812) | 395420.74 | 3868726.18 | 1.01774 | (11050410) |
| 395470.74 | 3868726.18 | 1.11256 | (11050410) | 395520.74 | 3868726.18 | 1.18500 | (11050410) |
| 395570.74 | 3868726.18 | 1.36574 | (11052508) | 395620.74 | 3868726.18 | 1.69505 | (11052508) |

395670.74 3868726.18 2.00412 (11052508)
395720.74 3868726.18 2.47019 (10051907)
395770.74 3868726.18 2.88876 (10051907)
395820.74 3868726.18 3.08518 (10051907)
395270.74 3868776.18 1.60755 (13050107)
395320.74 3868776.18 1.38810 (13050107)
395370.74 3868776.18 1.13394 (13050107)
395420.74 3868776.18 1.04866 (12050812)
395470.74 3868776.18 1.13959 (11050410)
395520.74 3868776.18 1.22764 (11050410)
395570.74 3868776.18 1.34902 (11052508)
395620.74 3868776.18 1.70627 (11052508)
395670.74 3868776.18 2.04571 (11052508)
395720.74 3868776.18 2.57704 (10051907)
395770.74 3868776.18 3.05532 (10051907)
395820.74 3868776.18 3.29145 (10051907)
395270.74 3868826.18 1.86926 (13050107)
395320.74 3868826.18 1.65691 (13050107)
395370.74 3868826.18 1.38961 (13050107)
395420.74 3868826.18 1.15899 (12050812)
395470.74 3868826.18 1.16638 (11050410)
395520.74 3868826.18 1.27221 (11050410)
395570.74 3868826.18 1.34882 (11050410)
395620.74 3868826.18 1.71693 (11052508)
395670.74 3868826.18 2.09029 (11052508)
395720.74 3868826.18 2.69168 (10051907)
395770.74 3868826.18 3.24016 (10051907)
395820.74 3868826.18 3.52686 (10051907)
395270.74 3868876.18 2.15336 (13050107)
395320.74 3868876.18 1.95912 (13050107)
395370.74 3868876.18 1.68984 (13050107)
395420.74 3868876.18 1.37254 (13050107)
395470.74 3868876.18 1.23634 (12050812)
395520.74 3868876.18 1.31989 (11050410)
395570.74 3868876.18 1.41514 (11050410)
395620.74 3868876.18 1.72751 (11052508)
395670.74 3868876.18 2.14004 (11052508)
395720.74 3868876.18 2.81696 (10051907)
395770.74 3868876.18 3.44711 (10051907)
395820.74 3868876.18 3.79345 (10051907)
395270.74 3868926.18 2.44819 (13050107)
395320.74 3868926.18 2.29309 (13050107)
395370.74 3868926.18 2.03700 (13050107)
395420.74 3868926.18 1.70462 (13050107)
395470.74 3868926.18 1.37948 (12050812)
395520.74 3868926.18 1.37006 (11050410)
395570.74 3868926.18 1.48872 (11050410)
395620.74 3868926.18 1.73893 (11052508)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395670.74 | 3868926.18 | 2.19229 | (11052508) | 395720.74 | 3868926.18 | 2.94545 | (10051907) |
| 395770.74 | 3868926.18 | 3.68142 | (10051907) | 395820.74 | 3868926.18 | 4.09972 | (10051907) |
| 395270.74 | 3868976.18 | 2.73799 | (13050107) | 395320.74 | 3868976.18 | 2.65104 | (13050107) |
| 395370.74 | 3868976.18 | 2.42971 | (13050107) | 395420.74 | 3868976.18 | 2.09939 | (13050107) |
| 395470.74 | 3868976.18 | 1.70112 | (13050107) | 395520.74 | 3868976.18 | 1.48102 | (12050812) |
| 395570.74 | 3868976.18 | 1.56621 | (11050410) | 395620.74 | 3868976.18 | 1.74789 | (11052508) |
| 395670.74 | 3868976.18 | 2.25609 | (11052508) | 395720.74 | 3868976.18 | 3.09229 | (10051907) |
| 395770.74 | 3868976.18 | 3.93732 | (10051907) | 395820.74 | 3868976.18 | 4.45454 | (10051907) |
| 395270.74 | 3869026.18 | 3.00554 | (13050107) | 395320.74 | 3869026.18 | 3.01704 | (13050107) |
| 395370.74 | 3869026.18 | 2.86343 | (13050107) | 395420.74 | 3869026.18 | 2.56002 | (13050107) |
| 395470.74 | 3869026.18 | 2.14504 | (13050107) | 395520.74 | 3869026.18 | 1.67562 | (12050812) |
| 395570.74 | 3869026.18 | 1.65168 | (11050410) | 395620.74 | 3869026.18 | 1.78539 | (11050410) |
| 395670.74 | 3869026.18 | 2.31725 | (11052508) | 395720.74 | 3869026.18 | 3.23830 | (10051907) |
| 395770.74 | 3869026.18 | 4.23248 | (10051907) | 395820.74 | 3869026.18 | 4.86012 | (10051907) |
| 395270.74 | 3869076.18 | 3.22988 | (13050107) | 395320.74 | 3869076.18 | 3.36873 | (13050107) |
| 395370.74 | 3869076.18 | 3.32588 | (13050107) | 395420.74 | 3869076.18 | 3.08453 | (13050107) |

395470.74 3869076.18 2.67463 (13050107)
395520.74 3869076.18 2.15138 (13050107)
395570.74 3869076.18 1.80565 (12050812)
395620.74 3869076.18 1.91663 (12050913)
395670.74 3869076.18 2.39070 (11052508)
395720.74 3869076.18 3.39654 (10051907)
395770.74 3869076.18 4.55937 (10051907)
395820.74 3869076.18 5.33049 (10051907)
395270.74 3869126.18 3.38529 (13050107)
395320.74 3869126.18 3.67958 (13050107)
395370.74 3869126.18 3.78968 (13050107)
395420.74 3869126.18 3.66606 (13050107)
395470.74 3869126.18 3.30748 (13050107)
395520.74 3869126.18 2.76720 (13050107)
395570.74 3869126.18 2.10989 (13050107)
395620.74 3869126.18 2.14471 (12050913)
395670.74 3869126.18 2.46138 (11052508)
395720.74 3869126.18 3.55277 (10051907)
395770.74 3869126.18 4.92544 (10051907)
395820.74 3869126.18 5.88335 (10051907)
395270.74 3869176.18 3.44062 (13050107)
395320.74 3869176.18 3.91697 (13050107)
395370.74 3869176.18 4.22020 (13050107)
395420.74 3869176.18 4.27812 (13050107)
395470.74 3869176.18 4.03571 (13050107)
395520.74 3869176.18 3.52514 (13050107)
395570.74 3869176.18 2.80610 (13050107)
395620.74 3869176.18 2.39592 (12050913)
395670.74 3869176.18 2.53796 (11052508)
395720.74 3869176.18 3.70813 (10051907)
395770.74 3869176.18 5.33599 (10051907)
395820.74 3869176.18 6.52611 (10051907)
395270.74 3869226.18 3.37198 (13050107)
395320.74 3869226.18 4.03613 (13050107)
395370.74 3869226.18 4.57588 (13050107)
395420.74 3869226.18 4.87638 (13050107)
395470.74 3869226.18 4.84389 (13050107)
395520.74 3869226.18 4.43572 (13050107)
395570.74 3869226.18 3.70474 (13050107)
395620.74 3869226.18 2.77073 (13050107)
395670.74 3869226.18 2.87756 (12050913)
395720.74 3869226.18 3.85460 (10051907)
395770.74 3869226.18 5.79789 (10051907)
395820.74 3869226.18 7.29594 (10051907)
395270.74 3869276.18 3.17093 (13050107)
395320.74 3869276.18 3.99918 (13050107)
395370.74 3869276.18 4.79818 (13050107)
395420.74 3869276.18 5.40461 (13050107)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395470.74 | 3869276.18 | 5.67936 | (13050107) | 395520.74 | 3869276.18 | 5.49270 | (13050107) |
| 395570.74 | 3869276.18 | 4.83971 | (13050107) | 395620.74 | 3869276.18 | 3.82172 | (13050107) |
| 395670.74 | 3869276.18 | 3.28739 | (12050913) | 395720.74 | 3869276.18 | 3.98568 | (10051907) |
| 395770.74 | 3869276.18 | 6.30887 | (10051907) | 395820.74 | 3869276.18 | 8.20917 | (10051907) |
| 395270.74 | 3869326.18 | 2.83307 | (13050107) | 395320.74 | 3869326.18 | 3.78681 | (13050107) |
| 395370.74 | 3869326.18 | 4.81796 | (13050107) | 395420.74 | 3869326.18 | 5.78501 | (13050107) |
| 395470.74 | 3869326.18 | 6.46589 | (13050107) | 395520.74 | 3869326.18 | 6.67008 | (13050107) |
| 395570.74 | 3869326.18 | 6.25495 | (13050107) | 395620.74 | 3869326.18 | 5.24577 | (13050107) |
| 395670.74 | 3869326.18 | 3.82682 | (13050107) | 395720.74 | 3869326.18 | 4.10458 | (11052508) |
| 395770.74 | 3869326.18 | 6.87599 | (10051907) | 395820.74 | 3869326.18 | 9.31769 | (10051907) |
| 395270.74 | 3869376.18 | 2.49150 | (09052714) | 395320.74 | 3869376.18 | 3.38802 | (13050107) |
| 395370.74 | 3869376.18 | 4.60090 | (13050107) | 395420.74 | 3869376.18 | 5.91517 | (13050107) |
| 395470.74 | 3869376.18 | 7.11010 | (13050107) | 395520.74 | 3869376.18 | 7.88744 | (13050107) |
| 395570.74 | 3869376.18 | 7.93322 | (13050107) | 395620.74 | 3869376.18 | 7.10391 | (13050107) |
| 395670.74 | 3869376.18 | 5.52241 | (13050107) | 395720.74 | 3869376.18 | 4.72349 | (12050913) |
| 395770.74 | 3869376.18 | 7.49787 | (10051907) | 395820.74 | 3869376.18 | 10.67436 | (10051907) |

395270.74 3869426.18 2.72518 (13050115)
395320.74 3869426.18 2.99665 (09052714)
395370.74 3869426.18 4.12543 (13050107)
395420.74 3869426.18 5.72942 (13050107)
395470.74 3869426.18 7.46913 (13050107)
395520.74 3869426.18 8.96854 (13050107)
395570.74 3869426.18 9.76107 (13050107)
395620.74 3869426.18 9.44099 (13050107)
395670.74 3869426.18 7.90516 (13050107)
395720.74 3869426.18 5.60234 (12050913)
395770.74 3869426.18 8.16322 (10051907)
395820.74 3869426.18 12.36095 (10051907)
395270.74 3869476.18 3.39711 (13050108)
395320.74 3869476.18 3.34018 (13050108)
395370.74 3869476.18 3.65709 (09052714)
395420.74 3869476.18 5.16880 (13050107)
395470.74 3869476.18 7.35888 (13050107)
395520.74 3869476.18 9.65826 (13050107)
395570.74 3869476.18 11.52594 (13050107)
395620.74 3869476.18 12.19814 (13050107)
395670.74 3869476.18 11.14940 (13050107)
395720.74 3869476.18 8.46395 (13050107)
395770.74 3869476.18 8.85015 (10051907)
395820.74 3869476.18 14.48652 (10051907)
395270.74 3869526.18 4.10149 (13050108)
395320.74 3869526.18 4.31655 (13050108)
395370.74 3869526.18 4.35516 (13050108)
395420.74 3869526.18 4.54408 (09052714)
395470.74 3869526.18 6.67276 (13050107)
395520.74 3869526.18 9.66828 (13050107)
395570.74 3869526.18 12.82251 (13050107)
395620.74 3869526.18 15.10191 (13050107)
395670.74 3869526.18 15.36377 (13050107)
395720.74 3869526.18 12.89012 (13050107)
395770.74 3869526.18 9.51219 (10051907)
395820.74 3869526.18 17.25927 (10051907)
395270.74 3869576.18 4.71475 (13050607)
395320.74 3869576.18 5.08564 (13050108)
395370.74 3869576.18 5.54449 (13050108)
395420.74 3869576.18 5.78382 (13050108)
395470.74 3869576.18 5.76821 (09052714)
395520.74 3869576.18 8.77860 (13050107)
395570.74 3869576.18 13.12379 (13050107)
395620.74 3869576.18 17.61084 (13050107)
395670.74 3869576.18 20.33772 (13050107)
395720.74 3869576.18 19.35686 (13050107)
395770.74 3869576.18 14.12863 (13050107)
395820.74 3869576.18 21.12649 (10051907)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395270.74 | 3869626.18 | 7.50951 | (13050607) | 395320.74 | 3869626.18 | 7.22633 | (13050607) |
| 395370.74 | 3869626.18 | 6.63301 | (13050607) | 395420.74 | 3869626.18 | 7.19309 | (13050108) |
| 395470.74 | 3869626.18 | 7.84074 | (13050108) | 395520.74 | 3869626.18 | 8.00392 | (13050108) |
| 395570.74 | 3869626.18 | 11.94903 | (13050107) | 395620.74 | 3869626.18 | 18.62334 | (13050107) |
| 395670.74 | 3869626.18 | 25.20930 | (13050107) | 395720.74 | 3869626.18 | 28.16342 | (13050107) |
| 395770.74 | 3869626.18 | 23.88243 | (13050107) | 395820.74 | 3869626.18 | 26.22706 | (10051907) |
| 395270.74 | 3869676.18 | 9.94384 | (13050607) | 395320.74 | 3869676.18 | 10.50569 | (13050607) |
| 395370.74 | 3869676.18 | 10.86668 | (13050607) | 395420.74 | 3869676.18 | 10.88010 | (13050607) |
| 395470.74 | 3869676.18 | 10.25066 | (13050607) | 395520.74 | 3869676.18 | 10.78608 | (13050108) |
| 395570.74 | 3869676.18 | 11.70288 | (13050108) | 395620.74 | 3869676.18 | 17.03391 | (13050107) |
| 395670.74 | 3869676.18 | 28.08280 | (13050107) | 395720.74 | 3869676.18 | 38.43504 | (13050107) |
| 395770.74 | 3869676.18 | 39.92940 | (13050107) | 395820.74 | 3869676.18 | 32.63498 | (10051907) |
| 395270.74 | 3869726.18 | 10.68901 | (13050607) | 395320.74 | 3869726.18 | 12.31103 | (13050607) |
| 395370.74 | 3869726.18 | 14.13622 | (13050607) | 395420.74 | 3869726.18 | 15.98565 | (13050607) |
| 395470.74 | 3869726.18 | 17.48750 | (13050607) | 395520.74 | 3869726.18 | 18.16640 | (13050607) |
| 395570.74 | 3869726.18 | 17.55429 | (13050607) | 395620.74 | 3869726.18 | 17.94985 | (13050108) |

395670.74 3869726.18 25.89382 (13050107)
395720.74 3869726.18 46.27834 (13050107)
395770.74 3869726.18 63.67738 (13050107)
395820.74 3869726.18 55.86898 (13050107)
395270.74 3869776.18 9.23453 (13050607)
395320.74 3869776.18 11.39361 (13050607)
395370.74 3869776.18 14.17689 (13050607)
395420.74 3869776.18 17.68778 (13050607)
395470.74 3869776.18 21.88673 (13050607)
395520.74 3869776.18 26.62220 (13050607)
395570.74 3869776.18 31.08406 (13050607)
395620.74 3869776.18 34.66663 (13050607)
395670.74 3869776.18 34.68912 (13050607)
395720.74 3869776.18 43.44350 (13050107)
395770.74 3869776.18 88.60460 (13050107)
395820.74 3869776.18 117.70439 (13050107)
395270.74 3869826.18 9.46921 (11053107)
395320.74 3869826.18 10.62004 (11053107)
395370.74 3869826.18 12.01602 (11053107)
395420.74 3869826.18 14.20572 (13050607)
395470.74 3869826.18 19.18265 (13050607)
395520.74 3869826.18 26.17874 (13050607)
395570.74 3869826.18 35.84051 (13050607)
395620.74 3869826.18 49.01024 (13050607)
395670.74 3869826.18 66.46111 (13050607)
395720.74 3869826.18 85.30367 (13050607)
395770.74 3869826.18 92.63507 (13050607)
395820.74 3869826.18 226.01238 (13050107)
395270.74 3869876.18 10.24678 (11053107)
395320.74 3869876.18 11.77935 (11053107)
395370.74 3869876.18 13.73245 (11053107)
395420.74 3869876.18 16.26473 (11053107)
395470.74 3869876.18 19.61752 (11053107)
395520.74 3869876.18 24.20468 (11053107)
395570.74 3869876.18 30.71940 (11053107)
395620.74 3869876.18 40.93359 (11053107)
395670.74 3869876.18 61.56480 (13050607)
395720.74 3869876.18 107.06508 (13050607)
395770.74 3869876.18 201.69827 (13050607)
395820.74 3869876.18 409.23612 (13050607)
395270.74 3869926.18 9.00048 (11053107)
395320.74 3869926.18 10.36989 (11053107)
395370.74 3869926.18 12.11333 (11053107)
395420.74 3869926.18 14.39904 (11053107)
395470.74 3869926.18 17.48019 (11053107)
395520.74 3869926.18 21.70443 (11053107)
395570.74 3869926.18 27.85931 (11053107)
395620.74 3869926.18 37.85060 (11053107)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 395670.74 | 3869926.18 | 55.45292 | (11053107) | 395720.74 | 3869926.18 | 88.72786 | (11053107) |
| 395770.74 | 3869926.18 | 164.26284 | (11053107) | 395820.74 | 3869926.18 | 399.36335 | (11053107) |
| 395270.74 | 3869976.18 | 6.38847 | (11053107) | 395320.74 | 3869976.18 | 7.19173 | (11053107) |
| 395370.74 | 3869976.18 | 8.20527 | (11053107) | 395420.74 | 3869976.18 | 9.41598 | (11053107) |
| 395470.74 | 3869976.18 | 11.02965 | (11053107) | 395520.74 | 3869976.18 | 12.96938 | (11053107) |
| 395570.74 | 3869976.18 | 15.44883 | (11053107) | 395620.74 | 3869976.18 | 18.95306 | (11053107) |
| 395670.74 | 3869976.18 | 26.46247 | (10051910) | 395720.74 | 3869976.18 | 48.88519 | (12052108) |
| 395770.74 | 3869976.18 | 104.10116 | (12052108) | 395820.74 | 3869976.18 | 237.46504 | (11053108) |
| 395870.74 | 3869976.18 | 474.80928 | (09052707) | 395920.74 | 3869976.18 | 479.87928 | (10052508) |
| 395970.74 | 3869976.18 | 321.21841 | (09050507) | 396020.74 | 3869976.18 | 134.95949 | (12052807) |
| 396070.74 | 3869976.18 | 75.88117 | (12052807) | 396120.74 | 3869976.18 | 43.61068 | (12052807) |
| 396170.74 | 3869976.18 | 28.26276 | (13050609) | 396220.74 | 3869976.18 | 20.96695 | (13050609) |
| 396270.74 | 3869976.18 | 16.74637 | (11050207) | 396320.74 | 3869976.18 | 14.12834 | (11050207) |
| 396370.74 | 3869976.18 | 12.14396 | (11050207) | 396420.74 | 3869976.18 | 10.67050 | (11050207) |
| 396470.74 | 3869976.18 | 9.46306 | (11050207) | 396520.74 | 3869976.18 | 8.45182 | (11050207) |
| 396570.74 | 3869976.18 | 7.60331 | (11050207) | 396620.74 | 3869976.18 | 6.89639 | (11050207) |

396668.32 3869988.26 5.74763 (11050207)
396718.32 3869988.26 5.29857 (11050207)
396768.32 3869988.26 4.92001 (11050207)
396818.32 3869988.26 4.59777 (11050207)
396868.32 3869993.09 4.17866 (11050207)
396918.32 3869993.09 3.95354 (11050207)
396968.32 3869993.09 3.75236 (11050207)
397018.32 3869993.09 3.57917 (11050207)
397068.32 3869993.09 3.42932 (11050207)
397118.32 3869993.09 3.30060 (11050207)
397168.32 3869993.09 3.18941 (11050207)
397218.32 3869993.09 3.08974 (11050207)
397268.32 3869993.09 3.00249 (11050207)
395270.74 3870026.18 3.65022 (11053107)
395320.74 3870026.18 4.16099 (10051910)
395370.74 3870026.18 4.98803 (10051910)
395420.74 3870026.18 6.03576 (10051910)
395470.74 3870026.18 7.37866 (10051910)
395520.74 3870026.18 9.18844 (11050413)
395570.74 3870026.18 12.30143 (12052108)
395620.74 3870026.18 19.61750 (12052108)
395670.74 3870026.18 31.23448 (12052108)
395720.74 3870026.18 49.95113 (11053108)
395770.74 3870026.18 78.04762 (11053108)
395820.74 3870026.18 106.59502 (11053008)
395870.74 3870026.18 145.57273 (09052707)
395920.74 3870026.18 192.59326 (09051807)
395970.74 3870026.18 180.15154 (09050507)
396020.74 3870026.18 136.01042 (09050507)
396070.74 3870026.18 61.16645 (09050507)
396120.74 3870026.18 47.04178 (13051307)
396170.74 3870026.18 34.02733 (13051307)
396220.74 3870026.18 23.80224 (13051307)
396270.74 3870026.18 16.80260 (12052807)
396320.74 3870026.18 12.39940 (13051407)
396370.74 3870026.18 10.30220 (13050609)
396420.74 3870026.18 8.59871 (13050609)
396470.74 3870026.18 7.21395 (13050609)
396520.74 3870026.18 6.08772 (13050609)
396570.74 3870026.18 5.17073 (13050609)
396620.74 3870026.18 4.41286 (13050609)
396670.74 3870026.18 3.97297 (11050207)
396720.74 3870026.18 3.74163 (11050207)
396770.74 3870026.18 3.53738 (11050207)
396820.74 3870026.18 3.35752 (11050207)
396870.74 3870026.18 3.19781 (11050207)
396920.74 3870026.18 3.06239 (11050207)
396970.74 3870026.18 2.94687 (11050207)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 397020.74 | 3870026.18 | 2.84172 | (11050207) | 397070.74 | 3870026.18 | 2.74356 | (11050207) |
| 397120.74 | 3870026.18 | 2.66005 | (11050207) | 397170.74 | 3870026.18 | 2.58905 | (11050207) |
| 397220.74 | 3870026.18 | 2.52571 | (11050207) | 397270.74 | 3870026.18 | 2.46872 | (11050207) |
| 395270.74 | 3870076.18 | 3.35203 | (10051910) | 395320.74 | 3870076.18 | 3.94173 | (11050413) |
| 395370.74 | 3870076.18 | 4.68774 | (11050413) | 395420.74 | 3870076.18 | 5.60281 | (11050413) |
| 395470.74 | 3870076.18 | 7.55236 | (12052108) | 395520.74 | 3870076.18 | 10.81873 | (12052108) |
| 395570.74 | 3870076.18 | 15.31780 | (12052108) | 395620.74 | 3870076.18 | 21.17989 | (12052108) |
| 395670.74 | 3870076.18 | 29.45211 | (11053108) | 395720.74 | 3870076.18 | 38.08151 | (11053108) |
| 395770.74 | 3870076.18 | 46.94778 | (12050708) | 395820.74 | 3870076.18 | 61.28784 | (11053008) |
| 395870.74 | 3870076.18 | 80.19649 | (09051907) | 395920.74 | 3870076.18 | 106.63048 | (09051807) |
| 395970.74 | 3870076.18 | 84.74239 | (11052507) | 396020.74 | 3870076.18 | 97.43049 | (09050507) |
| 396070.74 | 3870076.18 | 76.37950 | (09050507) | 396120.74 | 3870076.18 | 42.58109 | (09050507) |
| 396170.74 | 3870076.18 | 29.27319 | (13051307) | 396220.74 | 3870076.18 | 24.79763 | (13051307) |
| 396270.74 | 3870076.18 | 19.77842 | (13051307) | 396320.74 | 3870076.18 | 15.25035 | (13051307) |
| 396370.74 | 3870076.18 | 11.72166 | (12052807) | 396420.74 | 3870076.18 | 9.11048 | (12052807) |
| 396470.74 | 3870076.18 | 7.43547 | (13051407) | 396520.74 | 3870076.18 | 6.31488 | (13051407) |

396570.74 3870076.18 5.35530 (13051407)
396620.74 3870076.18 4.61553 (13050609)
396670.74 3870076.18 4.05516 (13050609)
396720.74 3870076.18 3.57265 (13050609)
396770.74 3870076.18 3.15020 (13050609)
396820.74 3870076.18 2.83731 (10051208)
396870.74 3870076.18 2.58409 (10051208)
396920.74 3870076.18 2.36030 (10051208)
396970.74 3870076.18 2.16614 (10051208)
397020.74 3870076.18 1.99256 (10051208)
397070.74 3870076.18 1.89919 (09051810)
397120.74 3870076.18 1.81661 (09051810)
397170.74 3870076.18 1.74611 (11050207)
397220.74 3870076.18 1.72742 (11050207)
397270.74 3870076.18 1.70922 (11050207)
395270.74 3870126.18 3.24034 (11050413)
395320.74 3870126.18 3.84885 (12052108)
395370.74 3870126.18 5.19398 (12052108)
395420.74 3870126.18 6.96822 (12052108)
395470.74 3870126.18 9.25868 (12052108)
395520.74 3870126.18 12.04806 (12052108)
395570.74 3870126.18 15.05227 (12052108)
395620.74 3870126.18 19.54050 (11053108)
395670.74 3870126.18 22.96674 (11053108)
395720.74 3870126.18 26.96920 (12050708)
395770.74 3870126.18 35.45812 (11053008)
395820.74 3870126.18 42.03865 (09051908)
395870.74 3870126.18 51.83540 (09051907)
395920.74 3870126.18 65.11843 (09051807)
395970.74 3870126.18 58.96065 (11052507)
396020.74 3870126.18 50.58137 (09050507)
396070.74 3870126.18 61.21066 (09050507)
396120.74 3870126.18 49.51208 (09050507)
396170.74 3870126.18 31.13915 (09050507)
396220.74 3870126.18 18.63786 (13051307)
396270.74 3870126.18 17.58087 (13051307)
396320.74 3870126.18 15.47173 (13051307)
396370.74 3870126.18 13.01419 (13051307)
396420.74 3870126.18 10.62508 (13051307)
396470.74 3870126.18 8.73877 (12052807)
396520.74 3870126.18 7.17817 (12052807)
396570.74 3870126.18 5.86874 (12052807)
396620.74 3870126.18 5.00453 (13051407)
396670.74 3870126.18 4.40165 (13051407)
396720.74 3870126.18 3.85976 (13051407)
396770.74 3870126.18 3.37837 (13051407)
396820.74 3870126.18 2.95494 (13051407)
396870.74 3870126.18 2.61007 (10051208)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396920.74 | 3870126.18 | 2.42035 | (10051208) | 396970.74 | 3870126.18 | 2.24800 | (10051208) |
| 397020.74 | 3870126.18 | 2.09401 | (10051208) | 397070.74 | 3870126.18 | 1.95506 | (10051208) |
| 397120.74 | 3870126.18 | 1.83061 | (10051208) | 397170.74 | 3870126.18 | 1.71784 | (10051208) |
| 397220.74 | 3870126.18 | 1.61348 | (10051208) | 397270.74 | 3870126.18 | 1.54185 | (09051810) |
| 395270.74 | 3870176.18 | 3.87694 | (12052108) | 395320.74 | 3870176.18 | 4.96671 | (12052108) |
| 395370.74 | 3870176.18 | 6.31755 | (12052108) | 395420.74 | 3870176.18 | 7.88247 | (12052108) |
| 395470.74 | 3870176.18 | 9.57392 | (12052108) | 395520.74 | 3870176.18 | 11.56730 | (11053108) |
| 395570.74 | 3870176.18 | 14.05498 | (11053108) | 395620.74 | 3870176.18 | 15.58243 | (11053108) |
| 395670.74 | 3870176.18 | 17.20786 | (12050708) | 395720.74 | 3870176.18 | 21.39903 | (11053008) |
| 395770.74 | 3870176.18 | 24.85280 | (11053008) | 395820.74 | 3870176.18 | 29.05491 | (09051908) |
| 395870.74 | 3870176.18 | 36.18886 | (09051907) | 395920.74 | 3870176.18 | 42.82038 | (09051807) |
| 395970.74 | 3870176.18 | 44.69367 | (09051807) | 396020.74 | 3870176.18 | 35.61120 | (13052107) |
| 396070.74 | 3870176.18 | 38.30622 | (09050507) | 396120.74 | 3870176.18 | 42.23836 | (09050507) |
| 396170.74 | 3870176.18 | 34.94164 | (09050507) | 396220.74 | 3870176.18 | 23.73077 | (09050507) |
| 396270.74 | 3870176.18 | 14.05418 | (09050507) | 396320.74 | 3870176.18 | 12.45077 | (13051307) |
| 396370.74 | 3870176.18 | 11.80338 | (13051307) | 396420.74 | 3870176.18 | 10.64042 | (13051307) |

396470.74 3870176.18 9.25742 (13051307)
396520.74 3870176.18 7.97542 (12052807)
396570.74 3870176.18 6.89279 (12052807)
396620.74 3870176.18 5.90028 (12052807)
396670.74 3870176.18 5.01872 (12052807)
396720.74 3870176.18 4.25473 (12052807)
396770.74 3870176.18 3.62283 (13051407)
396820.74 3870176.18 3.26088 (13051407)
396870.74 3870176.18 2.92368 (13051407)
396920.74 3870176.18 2.61435 (13051407)
396970.74 3870176.18 2.33388 (13051407)
397020.74 3870176.18 2.08027 (13051407)
397070.74 3870176.18 1.95553 (10051208)
397120.74 3870176.18 1.85196 (10051208)
397170.74 3870176.18 1.75637 (10051208)
397220.74 3870176.18 1.66739 (10051208)
397270.74 3870176.18 1.58505 (10051208)
395270.74 3870226.18 4.68856 (12052108)
395320.74 3870226.18 5.67305 (12052108)
395370.74 3870226.18 6.72967 (12052108)
395420.74 3870226.18 7.77925 (12052108)
395470.74 3870226.18 9.21036 (11053108)
395520.74 3870226.18 10.62830 (11053108)
395570.74 3870226.18 11.37674 (11053108)
395620.74 3870226.18 11.89930 (12050708)
395670.74 3870226.18 13.66535 (11053008)
395720.74 3870226.18 17.35101 (11053008)
395770.74 3870226.18 19.63312 (09051908)
395820.74 3870226.18 20.49074 (09051908)
395870.74 3870226.18 26.65051 (09051907)
395920.74 3870226.18 29.75969 (09051907)
395970.74 3870226.18 34.86872 (09051807)
396020.74 3870226.18 27.80576 (11052507)
396070.74 3870226.18 25.83277 (13052107)
396120.74 3870226.18 29.56839 (09050507)
396170.74 3870226.18 31.01649 (09050507)
396220.74 3870226.18 26.09581 (09050507)
396270.74 3870226.18 18.69117 (09050507)
396320.74 3870226.18 11.89456 (09050507)
396370.74 3870226.18 8.89286 (13051307)
396420.74 3870226.18 8.92903 (13051307)
396470.74 3870226.18 8.51256 (13051307)
396520.74 3870226.18 7.80250 (13051307)
396570.74 3870226.18 7.06490 (12052807)
396620.74 3870226.18 6.38739 (12052807)
396670.74 3870226.18 5.70122 (12052807)
396720.74 3870226.18 5.03733 (12052807)
396770.74 3870226.18 4.41917 (12052807)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396820.74 | 3870226.18 | 3.85946 | (12052807) | 396870.74 | 3870226.18 | 3.35903 | (12052807) |
| 396920.74 | 3870226.18 | 2.91708 | (12052807) | 396970.74 | 3870226.18 | 2.52591 | (12052807) |
| 397020.74 | 3870226.18 | 2.29608 | (13051407) | 397070.74 | 3870226.18 | 2.08553 | (13051407) |
| 397120.74 | 3870226.18 | 1.89081 | (13051407) | 397170.74 | 3870226.18 | 1.71061 | (13051407) |
| 397220.74 | 3870226.18 | 1.63925 | (10051208) | 397270.74 | 3870226.18 | 1.57562 | (10051208) |
| 395270.74 | 3870276.18 | 5.10452 | (12052108) | 395320.74 | 3870276.18 | 5.81867 | (12052108) |
| 395370.74 | 3870276.18 | 6.46270 | (11053108) | 395420.74 | 3870276.18 | 7.56168 | (11053108) |
| 395470.74 | 3870276.18 | 8.40698 | (11053108) | 395520.74 | 3870276.18 | 8.71562 | (11053108) |
| 395570.74 | 3870276.18 | 8.77902 | (12050708) | 395620.74 | 3870276.18 | 9.15000 | (11053008) |
| 395670.74 | 3870276.18 | 12.15542 | (11053008) | 395720.74 | 3870276.18 | 13.28860 | (11053008) |
| 395770.74 | 3870276.18 | 15.77053 | (09051908) | 395820.74 | 3870276.18 | 14.80573 | (09051908) |
| 395870.74 | 3870276.18 | 20.42693 | (09051907) | 395920.74 | 3870276.18 | 23.05216 | (09051907) |
| 395970.74 | 3870276.18 | 27.26367 | (09051807) | 396020.74 | 3870276.18 | 22.36081 | (09051808) |
| 396070.74 | 3870276.18 | 19.81709 | (13052107) | 396120.74 | 3870276.18 | 18.41073 | (13052107) |
| 396170.74 | 3870276.18 | 23.38524 | (09050507) | 396220.74 | 3870276.18 | 23.80254 | (09050507) |
| 396270.74 | 3870276.18 | 20.29209 | (09050507) | 396320.74 | 3870276.18 | 15.10812 | (09050507) |

396370.74 3870276.18 10.14376 (09050507)
396420.74 3870276.18 7.12077 (13052807)
396470.74 3870276.18 6.75174 (13051307)
396520.74 3870276.18 6.73237 (13051307)
396570.74 3870276.18 6.44779 (13051307)
396620.74 3870276.18 6.15387 (12052807)
396670.74 3870276.18 5.78742 (12052807)
396720.74 3870276.18 5.35930 (12052807)
396770.74 3870276.18 4.90418 (12052807)
396820.74 3870276.18 4.44153 (12052807)
396870.74 3870276.18 3.99021 (12052807)
396920.74 3870276.18 3.56520 (12052807)
396970.74 3870276.18 3.17217 (12052807)
397020.74 3870276.18 2.81044 (12052807)
397070.74 3870276.18 2.48311 (12052807)
397120.74 3870276.18 2.18803 (12052807)
397170.74 3870276.18 1.92413 (12052807)
397220.74 3870276.18 1.75985 (10050308)
397270.74 3870276.18 1.65613 (10050308)
395270.74 3870326.18 5.08255 (12052108)
395320.74 3870326.18 5.63494 (11053108)
395370.74 3870326.18 6.37169 (11053108)
395420.74 3870326.18 6.86510 (11053108)
395470.74 3870326.18 6.98076 (11053108)
395520.74 3870326.18 6.80309 (12050708)
395570.74 3870326.18 6.96792 (12050708)
395620.74 3870326.18 8.67688 (11053008)
395670.74 3870326.18 10.16921 (11053008)
395720.74 3870326.18 11.13741 (09051908)
395770.74 3870326.18 12.56580 (09051908)
395820.74 3870326.18 11.71440 (10052509)
395870.74 3870326.18 16.15914 (09051907)
395920.74 3870326.18 18.21368 (09051907)
395970.74 3870326.18 21.70853 (09051807)
396020.74 3870326.18 19.42202 (09051807)
396070.74 3870326.18 15.95597 (11052507)
396120.74 3870326.18 15.77233 (13052107)
396170.74 3870326.18 15.72483 (09050507)
396220.74 3870326.18 18.90798 (09050507)
396270.74 3870326.18 18.86946 (09050507)
396320.74 3870326.18 16.25723 (09050507)
396370.74 3870326.18 12.46973 (09050507)
396420.74 3870326.18 8.72841 (09050507)
396470.74 3870326.18 6.03804 (10051207)
396520.74 3870326.18 5.25637 (13052807)
396570.74 3870326.18 5.29897 (13051307)
396620.74 3870326.18 5.33862 (12052807)
396670.74 3870326.18 5.31384 (12052807)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396720.74 | 3870326.18 | 5.17295 | (12052807) | 396770.74 | 3870326.18 | 4.94825 | (12052807) |
| 396820.74 | 3870326.18 | 4.66594 | (12052807) | 396870.74 | 3870326.18 | 4.35076 | (12052807) |
| 396920.74 | 3870326.18 | 4.01532 | (12052807) | 396970.74 | 3870326.18 | 3.67770 | (12052807) |
| 397020.74 | 3870326.18 | 3.34398 | (12052807) | 397070.74 | 3870326.18 | 3.02518 | (12052807) |
| 397120.74 | 3870326.18 | 2.72219 | (12052807) | 397170.74 | 3870326.18 | 2.44472 | (12052807) |
| 397220.74 | 3870326.18 | 2.19219 | (12052807) | 397270.74 | 3870326.18 | 1.96034 | (12052807) |
| 395270.74 | 3870376.18 | 5.00077 | (11053108) | 395320.74 | 3870376.18 | 5.49202 | (11053108) |
| 395370.74 | 3870376.18 | 5.78297 | (11053108) | 395420.74 | 3870376.18 | 5.76336 | (11053108) |
| 395470.74 | 3870376.18 | 5.44688 | (12050708) | 395520.74 | 3870376.18 | 5.61053 | (12050708) |
| 395570.74 | 3870376.18 | 6.31482 | (11053008) | 395620.74 | 3870376.18 | 7.73900 | (11053008) |
| 395670.74 | 3870376.18 | 8.19396 | (11053008) | 395720.74 | 3870376.18 | 9.67094 | (09051908) |
| 395770.74 | 3870376.18 | 10.01711 | (09051908) | 395820.74 | 3870376.18 | 9.74774 | (10052509) |
| 395870.74 | 3870376.18 | 13.10353 | (09051907) | 395920.74 | 3870376.18 | 14.74717 | (09051907) |
| 395970.74 | 3870376.18 | 17.35372 | (09051807) | 396020.74 | 3870376.18 | 16.88158 | (09051807) |
| 396070.74 | 3870376.18 | 13.74507 | (11052507) | 396120.74 | 3870376.18 | 12.60499 | (13052107) |
| 396170.74 | 3870376.18 | 12.25257 | (13052107) | 396220.74 | 3870376.18 | 13.56154 | (09050507) |

396270.74 3870376.18 15.58113 (09050507)
396320.74 3870376.18 15.34120 (09050507)
396370.74 3870376.18 13.33440 (09050507)
396420.74 3870376.18 10.46799 (09050507)
396470.74 3870376.18 7.57568 (09050507)
396520.74 3870376.18 5.27304 (10051207)
396570.74 3870376.18 4.55448 (13052807)
396620.74 3870376.18 4.21401 (12052807)
396670.74 3870376.18 4.44638 (12052807)
396720.74 3870376.18 4.56727 (12052807)
396770.74 3870376.18 4.58364 (12052807)
396820.74 3870376.18 4.51191 (12052807)
396870.74 3870376.18 4.37158 (12052807)
396920.74 3870376.18 4.17990 (12052807)
396970.74 3870376.18 3.95383 (12052807)
397020.74 3870376.18 3.69886 (12052807)
397070.74 3870376.18 3.43552 (12052807)
397120.74 3870376.18 3.16710 (12052807)
397170.74 3870376.18 2.90302 (12052807)
397220.74 3870376.18 2.65397 (12052807)
397270.74 3870376.18 2.41756 (12052807)
395270.74 3870426.18 4.83256 (11053108)
395320.74 3870426.18 4.99009 (11053108)
395370.74 3870426.18 4.89546 (11053108)
395420.74 3870426.18 4.53825 (11053108)
395470.74 3870426.18 4.61642 (12050708)
395520.74 3870426.18 4.69108 (11053008)
395570.74 3870426.18 5.91840 (11053008)
395620.74 3870426.18 6.62224 (11053008)
395670.74 3870426.18 7.02831 (09051908)
395720.74 3870426.18 8.26917 (09051908)
395770.74 3870426.18 8.05139 (09051908)
395820.74 3870426.18 8.20732 (10052509)
395870.74 3870426.18 10.83331 (09051907)
395920.74 3870426.18 12.17581 (09051907)
395970.74 3870426.18 13.92842 (09051807)
396020.74 3870426.18 14.66868 (09051807)
396070.74 3870426.18 11.93545 (09051808)
396120.74 3870426.18 10.23009 (11052507)
396170.74 3870426.18 10.58803 (13052107)
396220.74 3870426.18 9.55827 (13052107)
396270.74 3870426.18 11.73528 (09050507)
396320.74 3870426.18 13.04910 (09050507)
396370.74 3870426.18 12.72754 (09050507)
396420.74 3870426.18 11.14512 (09050507)
396470.74 3870426.18 8.91632 (09050507)
396520.74 3870426.18 6.62755 (09050507)
396570.74 3870426.18 4.63208 (10051207)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396620.74 | 3870426.18 | 3.96488 | (13052807) | 396670.74 | 3870426.18 | 3.56440 | (13052807) |
| 396720.74 | 3870426.18 | 3.71696 | (12052807) | 396770.74 | 3870426.18 | 3.91878 | (12052807) |
| 396820.74 | 3870426.18 | 4.03848 | (12052807) | 396870.74 | 3870426.18 | 4.07696 | (12052807) |
| 396920.74 | 3870426.18 | 4.04635 | (12052807) | 396970.74 | 3870426.18 | 3.95674 | (12052807) |
| 397020.74 | 3870426.18 | 3.82214 | (12052807) | 397070.74 | 3870426.18 | 3.65089 | (12052807) |
| 397120.74 | 3870426.18 | 3.45614 | (12052807) | 397170.74 | 3870426.18 | 3.24612 | (12052807) |
| 397220.74 | 3870426.18 | 3.02621 | (12052807) | 397270.74 | 3870426.18 | 2.80980 | (12052807) |
| 395270.74 | 3870476.18 | 4.39618 | (11053108) | 395320.74 | 3870476.18 | 4.26061 | (11053108) |
| 395370.74 | 3870476.18 | 3.92443 | (11053108) | 395420.74 | 3870476.18 | 3.88279 | (12050708) |
| 395470.74 | 3870476.18 | 3.75188 | (12050708) | 395520.74 | 3870476.18 | 4.56162 | (11053008) |
| 395570.74 | 3870476.18 | 5.31600 | (11053008) | 395620.74 | 3870476.18 | 5.51203 | (11053008) |
| 395670.74 | 3870476.18 | 6.41268 | (09051908) | 395720.74 | 3870476.18 | 7.02603 | (09051908) |
| 395770.74 | 3870476.18 | 6.48165 | (09051908) | 395820.74 | 3870476.18 | 6.98561 | (10052509) |
| 395870.74 | 3870476.18 | 9.12439 | (09051907) | 395920.74 | 3870476.18 | 10.22608 | (09051907) |
| 395970.74 | 3870476.18 | 11.29176 | (09051807) | 396020.74 | 3870476.18 | 12.61873 | (09051807) |
| 396070.74 | 3870476.18 | 10.77018 | (09051807) | 396120.74 | 3870476.18 | 9.31748 | (11052507) |

396170.74 3870476.18 8.70198 (13052107)
396220.74 3870476.18 8.72535 (13052107)
396270.74 3870476.18 8.22261 (09050507)
396320.74 3870476.18 10.21230 (09050507)
396370.74 3870476.18 11.08277 (09050507)
396420.74 3870476.18 10.73401 (09050507)
396470.74 3870476.18 9.45784 (09050507)
396520.74 3870476.18 7.68461 (09050507)
396570.74 3870476.18 5.84173 (09050507)
396620.74 3870476.18 4.19109 (09050507)
396670.74 3870476.18 3.56903 (12050908)
396720.74 3870476.18 3.27117 (12050908)
396770.74 3870476.18 3.12080 (12052807)
396820.74 3870476.18 3.36500 (12052807)
396870.74 3870476.18 3.54461 (12052807)
396920.74 3870476.18 3.65992 (12052807)
396970.74 3870476.18 3.71002 (12052807)
397020.74 3870476.18 3.70287 (12052807)
397070.74 3870476.18 3.64475 (12052807)
397120.74 3870476.18 3.54278 (12052807)
397170.74 3870476.18 3.41440 (12052807)
397220.74 3870476.18 3.26388 (12052807)
397270.74 3870476.18 3.09435 (12052807)
395270.74 3870526.18 3.79027 (11053108)
395320.74 3870526.18 3.46791 (11053108)
395370.74 3870526.18 3.32267 (12050708)
395420.74 3870526.18 3.22975 (12050708)
395470.74 3870526.18 3.58911 (11053008)
395520.74 3870526.18 4.27426 (11053008)
395570.74 3870526.18 4.63103 (11053008)
395620.74 3870526.18 4.79315 (09051908)
395670.74 3870526.18 5.74792 (09051908)
395720.74 3870526.18 5.95445 (09051908)
395770.74 3870526.18 5.25928 (09051908)
395820.74 3870526.18 6.00860 (10052509)
395870.74 3870526.18 7.78813 (09051907)
395920.74 3870526.18 8.70654 (09051907)
395970.74 3870526.18 9.24079 (09051807)
396020.74 3870526.18 10.78866 (09051807)
396070.74 3870526.18 9.91214 (09051807)
396120.74 3870526.18 8.38160 (11052507)
396170.74 3870526.18 7.26699 (11052507)
396220.74 3870526.18 7.57793 (13052107)
396270.74 3870526.18 7.12988 (13052107)
396320.74 3870526.18 7.48912 (09050507)
396370.74 3870526.18 8.99127 (09050507)
396420.74 3870526.18 9.52415 (09050507)
396470.74 3870526.18 9.17721 (09050507)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396520.74 | 3870526.18 | 8.12904 | (09050507) | 396570.74 | 3870526.18 | 6.69256 | (09050507) |
| 396620.74 | 3870526.18 | 5.18411 | (09050507) | 396670.74 | 3870526.18 | 3.80515 | (09050507) |
| 396720.74 | 3870526.18 | 3.34436 | (12050908) | 396770.74 | 3870526.18 | 3.11742 | (12050908) |
| 396820.74 | 3870526.18 | 2.85135 | (12050908) | 396870.74 | 3870526.18 | 2.89434 | (12052807) |
| 396920.74 | 3870526.18 | 3.10693 | (12052807) | 396970.74 | 3870526.18 | 3.26806 | (12052807) |
| 397020.74 | 3870526.18 | 3.37644 | (12052807) | 397070.74 | 3870526.18 | 3.43192 | (12052807) |
| 397120.74 | 3870526.18 | 3.43949 | (12052807) | 397170.74 | 3870526.18 | 3.39820 | (12052807) |
| 397220.74 | 3870526.18 | 3.32694 | (12052807) | 397270.74 | 3870526.18 | 3.22802 | (12052807) |
| 395270.74 | 3870576.18 | 3.12727 | (11053108) | 395320.74 | 3870576.18 | 2.87967 | (12050708) |
| 395370.74 | 3870576.18 | 2.82451 | (12050708) | 395420.74 | 3870576.18 | 2.87427 | (11053008) |
| 395470.74 | 3870576.18 | 3.49791 | (11053008) | 395520.74 | 3870576.18 | 3.90492 | (11053008) |
| 395570.74 | 3870576.18 | 3.97106 | (11053008) | 395620.74 | 3870576.18 | 4.50836 | (09051908) |
| 395670.74 | 3870576.18 | 5.09863 | (09051908) | 395720.74 | 3870576.18 | 5.04225 | (09051908) |
| 395770.74 | 3870576.18 | 4.30158 | (09051908) | 395820.74 | 3870576.18 | 5.21109 | (10052509) |
| 395870.74 | 3870576.18 | 6.71978 | (09051907) | 395920.74 | 3870576.18 | 7.52017 | (09051907) |
| 395970.74 | 3870576.18 | 7.62832 | (09051807) | 396020.74 | 3870576.18 | 9.22726 | (09051807) |

396070.74 3870576.18 8.96588 (09051807)
396120.74 3870576.18 7.48021 (09051808)
396170.74 3870576.18 6.89358 (11052507)
396220.74 3870576.18 6.38509 (13052107)
396270.74 3870576.18 6.47805 (13052107)
396320.74 3870576.18 5.80962 (13052107)
396370.74 3870576.18 6.80335 (09050507)
396420.74 3870576.18 7.91046 (09050507)
396470.74 3870576.18 8.29368 (09050507)
396520.74 3870576.18 7.93632 (09050507)
396570.74 3870576.18 7.06261 (09050507)
396620.74 3870576.18 5.88002 (09050507)
396670.74 3870576.18 4.62679 (09050507)
396720.74 3870576.18 3.46562 (09050507)
396770.74 3870576.18 3.15737 (12050908)
396820.74 3870576.18 2.98430 (12050908)
396870.74 3870576.18 2.77149 (12050908)
396920.74 3870576.18 2.53435 (12050908)
396970.74 3870576.18 2.72143 (12052807)
397020.74 3870576.18 2.90923 (12052807)
397070.74 3870576.18 3.05540 (12052807)
397120.74 3870576.18 3.15995 (12052807)
397170.74 3870576.18 3.21596 (12052807)
397220.74 3870576.18 3.23024 (12052807)
397270.74 3870576.18 3.20618 (12052807)
395270.74 3870626.18 2.53297 (12050708)
395320.74 3870626.18 2.48981 (12050708)
395370.74 3870626.18 2.33259 (11053008)
395420.74 3870626.18 2.87674 (11053008)
395470.74 3870626.18 3.29742 (11053008)
395520.74 3870626.18 3.48870 (11053008)
395570.74 3870626.18 3.45165 (09051908)
395620.74 3870626.18 4.17597 (09051908)
395670.74 3870626.18 4.49372 (09051908)
395720.74 3870626.18 4.27001 (09051908)
395770.74 3870626.18 3.72373 (10052509)
395820.74 3870626.18 4.55311 (10052509)
395870.74 3870626.18 5.85335 (09051907)
395920.74 3870626.18 6.54976 (09051907)
395970.74 3870626.18 6.35195 (09051807)
396020.74 3870626.18 7.90806 (09051807)
396070.74 3870626.18 8.05042 (09051807)
396120.74 3870626.18 6.77829 (09051807)
396170.74 3870626.18 6.39324 (11052507)
396220.74 3870626.18 5.46996 (11052507)
396270.74 3870626.18 5.71933 (13052107)
396320.74 3870626.18 5.51385 (13052107)
396370.74 3870626.18 4.87978 (09050507)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 396420.74 | 3870626.18 | 6.18109 | (09050507) | 396470.74 | 3870626.18 | 7.02991 | (09050507) |
| 396520.74 | 3870626.18 | 7.29377 | (09050507) | 396570.74 | 3870626.18 | 6.98047 | (09050507) |
| 396620.74 | 3870626.18 | 6.19273 | (09050507) | 396670.74 | 3870626.18 | 5.20526 | (09050507) |
| 396720.74 | 3870626.18 | 4.15291 | (09050507) | 396770.74 | 3870626.18 | 3.16483 | (09050507) |
| 396820.74 | 3870626.18 | 2.99987 | (12050908) | 396870.74 | 3870626.18 | 2.86892 | (12050908) |
| 396920.74 | 3870626.18 | 2.69691 | (12050908) | 396970.74 | 3870626.18 | 2.49612 | (12050908) |
| 397020.74 | 3870626.18 | 2.38362 | (12052807) | 397070.74 | 3870626.18 | 2.58883 | (12052807) |
| 397120.74 | 3870626.18 | 2.75872 | (12052807) | 397170.74 | 3870626.18 | 2.89212 | (12052807) |
| 397220.74 | 3870626.18 | 2.98731 | (12052807) | 397270.74 | 3870626.18 | 3.04152 | (12052807) |

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD ( 43872 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

```
                                                                                               NETWORK
GROUP ID                        AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       1.44693 AT (  395911.79, 3869961.46,   778.40,  1275.00,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS       0.95042 AT (  395920.74, 3869976.18,   778.66,  1275.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.73734 AT (  395970.74, 3869976.18,   778.00,  1275.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.35565 AT (  396020.74, 3869976.18,   778.00,  1275.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.32493 AT (  395970.74, 3870026.18,   778.10,  1275.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.25710 AT (  396020.74, 3870026.18,   778.00,  1275.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.25190 AT (  395870.74, 3869976.18,   779.00,  1275.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.22675 AT (  395920.74, 3870026.18,   778.97,  1275.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.20632 AT (  396061.79, 3869961.46,   778.00,  1275.00,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       0.18648 AT (  396070.74, 3869976.18,   777.99,  1275.00,    0.00)  DC
```

```
 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

```
                                                     DATE
NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)
RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     726.28305  ON 10052508: AT ( 395911.79,  3869961.46,   778.40,  1275.00,    0.00)  GC  UCART1
```

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs:  RegDFAULT  CONC  ELEV  RURAL

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of  0 Fatal Error Message(s)
A Total of  0 Warning Message(s)
A Total of  8029 Informational Message(s)

A Total of  43872 Hours Were Processed

A Total of  5748 Calm Hours Identified

A Total of  2281 Missing Hours Identified (  5.20 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

********  WARNING MESSAGES  ********
*** NONE ***

**********
*** AERMOD Finishes Successfully ***
**********

# Health Risk Assessment Emissions Inventory

*Construction*

**Edwards AFB Solar Project - Construction Area Source**
**Annual Exhaust PM10 from Equipment and Haul Trucks**

| | | | |
|---|---|---|---|
| **UNMITIGATED TOTAL** | 2.3684 | tons during overall construction | Emissions from CalEEMod 2016.3.2: |
| **Total** | **2.3684** | tons during overall construction | |
| | **4,736.80** | lbs during overall construction | Exhaust PM10 tpy |
| | **2,368.40** | lbs/yr | **2018** 0.643 |
| | **1.121** | lbs/hr | **2019** 1.1814 |
| | | | **2020** 0.544 |
| | 8 | hours/day | |
| | 2112 | hours/year | |
| Construction = | 264 | days/year | |
| | 12 | months | ***Total*** ***2.3684*** |
| | 2 | year | |

| | | | |
|---|---|---|---|
| **MITIGATED TOTAL** | 1.543 | tons during overall construction | Emissions from CalEEMod 2016.3.2: |
| **Total** | **1.543** | tons during overall construction | |
| | **3,086.00** | lbs during overall construction | Exhaust PM10 tpy |
| | **1,543.00** | lbs/yr | **2018** 0.3954 |
| | **0.731** | lbs/hr | **2019** 0.7738 |
| | | | **2020** 0.3738 |
| | 8 | hours/day | |
| | 2112 | hours/year | |
| Construction = | 264 | days/year | |
| | 12 | months | ***Total*** ***1.543*** |
| | 2 | year | |

# Health Risk Assessment Emissions Inventory

*Operations*

**Edwards AFB Solar Project - Operational Area Source**
**Annual Exhaust PM10 from Equipment and Haul Trucks**

| | | | | |
|---|---|---|---|---|
| **UNMITIGATED TOTAL** | 0.0039 | tons during annual operations | Emissions from CalEEMod 2016.3.2: | |
| **Total** | **0.0039** | tons during annual operations | | |
| | **7.80** | lbs during annual operations | | |
| | **7.80** | lbs/yr | **2020** | 3.90E-03 |
| | **0.081** | lbs/hr | | |
| O & M = | 8 | hours/day | | |
| | 12 | days/year | | |
| | 96 | hours/year | | |
| | 1 | year | ***Total*** | ***0.0039*** |

# HARP 2 Outputs

*Construction*

**Edwards AFB Solar Facility Project - Construction HRA - Unmitigated Cancer Health Risk**

**HARP 2 - Air Dispersion Modeling and Risk Tool v17320
**2/7/2018
** Cancer Risk Results of All Discrete Sensitive Receptor Points Are Shown - Descending From Maximum to Minimum

| REC | X | Y | RISK_SUM | SCENARIO | INH_RISK |
|---|---|---|---|---|---|
| 792 | 396570.7 | 3869976 | 6.45E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.45E-06 |
| 790 | 396470.7 | 3869976 | 6.42E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.42E-06 |
| 791 | 396520.7 | 3869976 | 6.42E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.42E-06 |
| 793 | 396620.7 | 3869976 | 6.39E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.39E-06 |
| 789 | 396420.7 | 3869976 | 6.33E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.33E-06 |
| 788 | 396370.7 | 3869976 | 6.22E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.22E-06 |
| 787 | 396320.7 | 3869976 | 6.08E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.08E-06 |
| 786 | 396270.7 | 3869976 | 5.90E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.90E-06 |
| 794 | 396668.3 | 3869988 | 5.65E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.65E-06 |
| 785 | 396220.7 | 3869976 | 5.65E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.65E-06 |
| 795 | 396718.3 | 3869988 | 5.50E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.50E-06 |
| 784 | 396170.7 | 3869976 | 5.40E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.40E-06 |
| 796 | 396768.3 | 3869988 | 5.16E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.16E-06 |
| 783 | 396120.7 | 3869976 | 5.09E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.09E-06 |
| 782 | 396070.7 | 3869976 | 4.67E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.67E-06 |
| 834 | 396620.7 | 3870026 | 4.44E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.44E-06 |
| 833 | 396570.7 | 3870026 | 4.43E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.43E-06 |
| 832 | 396520.7 | 3870026 | 4.41E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.41E-06 |
| 835 | 396670.7 | 3870026 | 4.38E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.38E-06 |
| 797 | 396818.3 | 3869988 | 4.35E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.35E-06 |
| 831 | 396470.7 | 3870026 | 4.35E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.35E-06 |
| 836 | 396720.7 | 3870026 | 4.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.31E-06 |
| 830 | 396420.7 | 3870026 | 4.26E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.26E-06 |
| 781 | 396020.7 | 3869976 | 4.20E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.20E-06 |
| 829 | 396370.7 | 3870026 | 4.14E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.14E-06 |
| 837 | 396770.7 | 3870026 | 4.09E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.09E-06 |
| 828 | 396320.7 | 3870026 | 4.01E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.01E-06 |
| 609 | 395820.7 | 3869276 | 3.93E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.93E-06 |
| 597 | 395820.7 | 3869226 | 3.92E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.92E-06 |
| 621 | 395820.7 | 3869326 | 3.91E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.91E-06 |
| 633 | 395820.7 | 3869376 | 3.88E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.88E-06 |
| 585 | 395820.7 | 3869176 | 3.88E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.88E-06 |
| 827 | 396270.7 | 3870026 | 3.83E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.83E-06 |
| 645 | 395820.7 | 3869426 | 3.83E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.83E-06 |
| 573 | 395820.7 | 3869126 | 3.82E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.82E-06 |
| 657 | 395820.7 | 3869476 | 3.76E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.76E-06 |
| 838 | 396820.7 | 3870026 | 3.70E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.70E-06 |
| 669 | 395820.7 | 3869526 | 3.67E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.67E-06 |
| 826 | 396220.7 | 3870026 | 3.64E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.64E-06 |
| 561 | 395820.7 | 3869076 | 3.64E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.64E-06 |
| 780 | 395970.7 | 3869976 | 3.57E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.57E-06 |
| 681 | 395820.7 | 3869576 | 3.57E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.57E-06 |
| 798 | 396868.3 | 3869993 | 3.55E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.55E-06 |

| | | | | | |
|---|---|---|---|---|---|
| 875 | 396620.7 | 3870076 | 3.43E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.43E-06 |
| 876 | 396670.7 | 3870076 | 3.42E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.42E-06 |
| 693 | 395820.7 | 3869626 | 3.42E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.42E-06 |
| 874 | 396570.7 | 3870076 | 3.41E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.41E-06 |
| 825 | 396170.7 | 3870026 | 3.41E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.41E-06 |
| 873 | 396520.7 | 3870076 | 3.37E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.37E-06 |
| 877 | 396720.7 | 3870076 | 3.36E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.36E-06 |
| 872 | 396470.7 | 3870076 | 3.30E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.30E-06 |
| 878 | 396770.7 | 3870076 | 3.25E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.25E-06 |
| 705 | 395820.7 | 3869676 | 3.24E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.24E-06 |
| 839 | 396870.7 | 3870026 | 3.23E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.23E-06 |
| 871 | 396420.7 | 3870076 | 3.21E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.21E-06 |
| 549 | 395820.7 | 3869026 | 3.18E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.18E-06 |
| 824 | 396120.7 | 3870026 | 3.12E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.12E-06 |
| 870 | 396370.7 | 3870076 | 3.10E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.10E-06 |
| 879 | 396820.7 | 3870076 | 3.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.06E-06 |
| 717 | 395820.7 | 3869726 | 3.04E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.04E-06 |
| 799 | 396918.3 | 3869993 | 3.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.02E-06 |
| 869 | 396320.7 | 3870076 | 2.96E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.96E-06 |
| 840 | 396920.7 | 3870026 | 2.81E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-06 |
| 880 | 396870.7 | 3870076 | 2.81E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-06 |
| 868 | 396270.7 | 3870076 | 2.81E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-06 |
| 823 | 396070.7 | 3870026 | 2.80E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.80E-06 |
| 729 | 395820.7 | 3869776 | 2.80E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.80E-06 |
| 917 | 396670.7 | 3870126 | 2.78E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.78E-06 |
| 916 | 396620.7 | 3870126 | 2.77E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.77E-06 |
| 918 | 396720.7 | 3870126 | 2.76E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.76E-06 |
| 915 | 396570.7 | 3870126 | 2.74E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.74E-06 |
| 919 | 396770.7 | 3870126 | 2.70E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.70E-06 |
| 914 | 396520.7 | 3870126 | 2.69E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.69E-06 |
| 779 | 395920.7 | 3869976 | 2.66E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.66E-06 |
| 867 | 396220.7 | 3870076 | 2.63E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.63E-06 |
| 913 | 396470.7 | 3870126 | 2.63E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.63E-06 |
| 800 | 396968.3 | 3869993 | 2.61E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.61E-06 |
| 920 | 396820.7 | 3870126 | 2.59E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.59E-06 |
| 537 | 395820.7 | 3868976 | 2.58E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.58E-06 |
| 596 | 395770.7 | 3869226 | 2.58E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.58E-06 |
| 608 | 395770.7 | 3869276 | 2.57E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.57E-06 |
| 584 | 395770.7 | 3869176 | 2.56E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.56E-06 |
| 620 | 395770.7 | 3869326 | 2.55E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.55E-06 |
| 912 | 396420.7 | 3870126 | 2.54E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.54E-06 |
| 881 | 396920.7 | 3870076 | 2.54E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.54E-06 |
| 572 | 395770.7 | 3869126 | 2.52E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.52E-06 |
| 632 | 395770.7 | 3869376 | 2.51E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.51E-06 |
| 741 | 395820.7 | 3869826 | 2.48E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-06 |
| 841 | 396970.7 | 3870026 | 2.47E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.47E-06 |
| 644 | 395770.7 | 3869426 | 2.46E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.46E-06 |
| 560 | 395770.7 | 3869076 | 2.44E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.44E-06 |
| 921 | 396870.7 | 3870126 | 2.44E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.44E-06 |
| 911 | 396370.7 | 3870126 | 2.43E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.43E-06 |

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|---|---|---|---|---|---|
| 866 | 396170.7 | 3870076 | 2.42E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.42E-06 |
| 822 | 396020.7 | 3870026 | 2.42E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.42E-06 |
| 656 | 395770.7 | 3869476 | 2.40E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.40E-06 |
| 668 | 395770.7 | 3869526 | 2.32E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.32E-06 |
| 958 | 396670.7 | 3870176 | 2.32E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.32E-06 |
| 959 | 396720.7 | 3870176 | 2.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.31E-06 |
| 910 | 396320.7 | 3870126 | 2.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.31E-06 |
| 957 | 396620.7 | 3870176 | 2.30E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.30E-06 |
| 801 | 397018.3 | 3869993 | 2.29E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.29E-06 |
| 960 | 396770.7 | 3870176 | 2.28E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.28E-06 |
| 548 | 395770.7 | 3869026 | 2.28E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.28E-06 |
| 882 | 396970.7 | 3870076 | 2.28E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.28E-06 |
| 956 | 396570.7 | 3870176 | 2.27E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.27E-06 |
| 922 | 396920.7 | 3870126 | 2.26E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.26E-06 |
| 961 | 396820.7 | 3870176 | 2.23E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.23E-06 |
| 955 | 396520.7 | 3870176 | 2.22E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.22E-06 |
| 680 | 395770.7 | 3869576 | 2.20E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.20E-06 |
| 842 | 397020.7 | 3870026 | 2.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.19E-06 |
| 865 | 396120.7 | 3870076 | 2.18E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.18E-06 |
| 909 | 396270.7 | 3870126 | 2.17E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.17E-06 |
| 525 | 395820.7 | 3868926 | 2.16E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.16E-06 |
| 954 | 396470.7 | 3870176 | 2.15E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.15E-06 |
| 962 | 396870.7 | 3870176 | 2.14E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.14E-06 |
| 692 | 395770.7 | 3869626 | 2.09E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.09E-06 |
| 923 | 396970.7 | 3870126 | 2.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.07E-06 |
| 953 | 396420.7 | 3870176 | 2.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.06E-06 |
| 536 | 395770.7 | 3868976 | 2.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.06E-06 |
| 883 | 397020.7 | 3870076 | 2.05E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.05E-06 |
| 802 | 397068.3 | 3869993 | 2.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.02E-06 |
| 753 | 395820.7 | 3869876 | 2.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.02E-06 |
| 963 | 396920.7 | 3870176 | 2.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.02E-06 |
| 908 | 396220.7 | 3870126 | 2.00E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.00E-06 |
| 1000 | 396720.7 | 3870226 | 1.98E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.98E-06 |
| 999 | 396670.7 | 3870226 | 1.97E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.97E-06 |
| 1001 | 396770.7 | 3870226 | 1.97E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.97E-06 |
| 952 | 396370.7 | 3870176 | 1.97E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.97E-06 |
| 704 | 395770.7 | 3869676 | 1.96E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.96E-06 |
| 821 | 395970.7 | 3870026 | 1.96E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.96E-06 |
| 998 | 396620.7 | 3870226 | 1.95E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.95E-06 |
| 843 | 397070.7 | 3870026 | 1.95E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.95E-06 |
| 1002 | 396820.7 | 3870226 | 1.93E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.93E-06 |
| 864 | 396070.7 | 3870076 | 1.92E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.92E-06 |
| 583 | 395720.7 | 3869176 | 1.92E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.92E-06 |
| 595 | 395720.7 | 3869226 | 1.92E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.92E-06 |
| 997 | 396570.7 | 3870226 | 1.91E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.91E-06 |
| 571 | 395720.7 | 3869126 | 1.91E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.91E-06 |
| 607 | 395720.7 | 3869276 | 1.91E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.91E-06 |
| 924 | 397020.7 | 3870126 | 1.89E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.89E-06 |
| 619 | 395720.7 | 3869326 | 1.89E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.89E-06 |
| 964 | 396970.7 | 3870176 | 1.88E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.88E-06 |

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|---|---|---|---|---|---|
| 1003 | 396870.7 | 3870226 | 1.88E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.88E-06 |
| 559 | 395720.7 | 3869076 | 1.87E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.87E-06 |
| 996 | 396520.7 | 3870226 | 1.86E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.86E-06 |
| 513 | 395820.7 | 3868876 | 1.86E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.86E-06 |
| 951 | 396320.7 | 3870176 | 1.85E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.85E-06 |
| 631 | 395720.7 | 3869376 | 1.84E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.84E-06 |
| 884 | 397070.7 | 3870076 | 1.84E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.84E-06 |
| 524 | 395770.7 | 3868926 | 1.83E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.83E-06 |
| 907 | 396170.7 | 3870126 | 1.83E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.83E-06 |
| 716 | 395770.7 | 3869726 | 1.81E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.81E-06 |
| 1004 | 396920.7 | 3870226 | 1.80E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.80E-06 |
| 803 | 397118.3 | 3869993 | 1.80E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.80E-06 |
| 547 | 395720.7 | 3869026 | 1.80E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.80E-06 |
| 995 | 396470.7 | 3870226 | 1.79E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.79E-06 |
| 643 | 395720.7 | 3869426 | 1.79E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.79E-06 |
| 965 | 397020.7 | 3870176 | 1.75E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.75E-06 |
| 844 | 397120.7 | 3870026 | 1.74E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.74E-06 |
| 655 | 395720.7 | 3869476 | 1.73E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.73E-06 |
| 925 | 397070.7 | 3870126 | 1.73E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.73E-06 |
| 950 | 396270.7 | 3870176 | 1.72E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.72E-06 |
| 994 | 396420.7 | 3870226 | 1.71E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.71E-06 |
| 1042 | 396770.7 | 3870276 | 1.71E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.71E-06 |
| 1041 | 396720.7 | 3870276 | 1.71E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.71E-06 |
| 1005 | 396970.7 | 3870226 | 1.70E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.70E-06 |
| 1040 | 396670.7 | 3870276 | 1.70E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.70E-06 |
| 1043 | 396820.7 | 3870276 | 1.69E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.69E-06 |
| 535 | 395720.7 | 3868976 | 1.69E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.69E-06 |
| 1039 | 396620.7 | 3870276 | 1.67E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.67E-06 |
| 1044 | 396870.7 | 3870276 | 1.66E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.66E-06 |
| 885 | 397120.7 | 3870076 | 1.66E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.66E-06 |
| 667 | 395720.7 | 3869526 | 1.66E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.66E-06 |
| 906 | 396120.7 | 3870126 | 1.63E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-06 |
| 501 | 395820.7 | 3868826 | 1.63E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-06 |
| 1038 | 396570.7 | 3870276 | 1.63E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-06 |
| 512 | 395770.7 | 3868876 | 1.63E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-06 |
| 863 | 396020.7 | 3870076 | 1.63E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-06 |
| 993 | 396370.7 | 3870226 | 1.63E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-06 |
| 728 | 395770.7 | 3869776 | 1.62E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.62E-06 |
| 966 | 397070.7 | 3870176 | 1.61E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.61E-06 |
| 804 | 397168.3 | 3869993 | 1.61E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.61E-06 |
| 1045 | 396920.7 | 3870276 | 1.61E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.61E-06 |
| 1006 | 397020.7 | 3870226 | 1.60E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.60E-06 |
| 949 | 396220.7 | 3870176 | 1.58E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.58E-06 |
| 1037 | 396520.7 | 3870276 | 1.58E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.58E-06 |
| 679 | 395720.7 | 3869576 | 1.57E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.57E-06 |
| 926 | 397120.7 | 3870126 | 1.57E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.57E-06 |
| 845 | 397170.7 | 3870026 | 1.57E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.57E-06 |
| 523 | 395720.7 | 3868926 | 1.56E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.56E-06 |
| 1046 | 396970.7 | 3870276 | 1.55E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.55E-06 |
| 778 | 395870.7 | 3869976 | 1.53E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.53E-06 |

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| 582 | 395670.7 | 3869176 | 1.53E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.53E-06 |
| 570 | 395670.7 | 3869126 | 1.52E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.52E-06 |
| 992 | 396320.7 | 3870226 | 1.52E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.52E-06 |
| 594 | 395670.7 | 3869226 | 1.52E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.52E-06 |
| 1036 | 396470.7 | 3870276 | 1.52E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.52E-06 |
| 558 | 395670.7 | 3869076 | 1.50E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-06 |
| 886 | 397170.7 | 3870076 | 1.50E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-06 |
| 1083 | 396770.7 | 3870326 | 1.50E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-06 |
| 1007 | 397070.7 | 3870226 | 1.50E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-06 |
| 606 | 395670.7 | 3869276 | 1.50E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-06 |
| 1084 | 396820.7 | 3870326 | 1.50E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-06 |
| 1082 | 396720.7 | 3870326 | 1.49E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-06 |
| 967 | 397120.7 | 3870176 | 1.48E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.48E-06 |
| 1085 | 396870.7 | 3870326 | 1.48E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.48E-06 |
| 691 | 395720.7 | 3869626 | 1.48E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.48E-06 |
| 1081 | 396670.7 | 3870326 | 1.47E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.47E-06 |
| 546 | 395670.7 | 3869026 | 1.47E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.47E-06 |
| 1047 | 397020.7 | 3870276 | 1.47E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.47E-06 |
| 618 | 395670.7 | 3869326 | 1.47E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.47E-06 |
| 500 | 395770.7 | 3868826 | 1.46E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-06 |
| 489 | 395820.7 | 3868776 | 1.45E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-06 |
| 1086 | 396920.7 | 3870326 | 1.45E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-06 |
| 1035 | 396420.7 | 3870276 | 1.45E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-06 |
| 805 | 397218.3 | 3869993 | 1.45E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-06 |
| 1080 | 396620.7 | 3870326 | 1.45E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-06 |
| 927 | 397170.7 | 3870126 | 1.44E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.44E-06 |
| 948 | 396170.7 | 3870176 | 1.43E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.43E-06 |
| 820 | 395920.7 | 3870026 | 1.43E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.43E-06 |
| 630 | 395670.7 | 3869376 | 1.43E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.43E-06 |
| 511 | 395720.7 | 3868876 | 1.43E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.43E-06 |
| 905 | 396070.7 | 3870126 | 1.42E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.42E-06 |
| 534 | 395670.7 | 3868976 | 1.42E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.42E-06 |
| 846 | 397220.7 | 3870026 | 1.41E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-06 |
| 1079 | 396570.7 | 3870326 | 1.41E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-06 |
| 991 | 396270.7 | 3870226 | 1.41E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-06 |
| 1087 | 396970.7 | 3870326 | 1.40E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.40E-06 |
| 765 | 395820.7 | 3869926 | 1.39E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-06 |
| 1008 | 397120.7 | 3870226 | 1.39E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-06 |
| 740 | 395770.7 | 3869826 | 1.39E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-06 |
| 1048 | 397070.7 | 3870276 | 1.39E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-06 |
| 642 | 395670.7 | 3869426 | 1.38E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.38E-06 |
| 703 | 395720.7 | 3869676 | 1.37E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.37E-06 |
| 968 | 397170.7 | 3870176 | 1.37E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.37E-06 |
| 887 | 397220.7 | 3870076 | 1.36E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.36E-06 |
| 1034 | 396370.7 | 3870276 | 1.36E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.36E-06 |
| 1078 | 396520.7 | 3870326 | 1.36E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.36E-06 |
| 1088 | 397020.7 | 3870326 | 1.35E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.35E-06 |
| 522 | 395670.7 | 3868926 | 1.34E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.34E-06 |
| 1125 | 396820.7 | 3870376 | 1.33E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-06 |
| 654 | 395670.7 | 3869476 | 1.33E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-06 |

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| 1124 | 396770.7 | 3870376 | 1.33E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-06 |
| 1126 | 396870.7 | 3870376 | 1.32E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.32E-06 |
| 488 | 395770.7 | 3868776 | 1.32E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.32E-06 |
| 1123 | 396720.7 | 3870376 | 1.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-06 |
| 928 | 397220.7 | 3870126 | 1.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-06 |
| 499 | 395720.7 | 3868826 | 1.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-06 |
| 806 | 397268.3 | 3869993 | 1.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-06 |
| 1049 | 397120.7 | 3870276 | 1.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-06 |
| 1127 | 396920.7 | 3870376 | 1.30E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.30E-06 |
| 1077 | 396470.7 | 3870326 | 1.30E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.30E-06 |
| 862 | 395970.7 | 3870076 | 1.30E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.30E-06 |
| 477 | 395820.7 | 3868726 | 1.30E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.30E-06 |
| 1009 | 397170.7 | 3870226 | 1.29E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.29E-06 |
| 1122 | 396670.7 | 3870376 | 1.29E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.29E-06 |
| 1089 | 397070.7 | 3870326 | 1.29E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.29E-06 |
| 990 | 396220.7 | 3870226 | 1.29E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.29E-06 |
| 847 | 397270.7 | 3870026 | 1.28E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-06 |
| 947 | 396120.7 | 3870176 | 1.27E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-06 |
| 1128 | 396970.7 | 3870376 | 1.27E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-06 |
| 1033 | 396320.7 | 3870276 | 1.27E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-06 |
| 666 | 395670.7 | 3869526 | 1.27E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-06 |
| 1121 | 396620.7 | 3870376 | 1.26E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-06 |
| 569 | 395620.7 | 3869126 | 1.26E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-06 |
| 969 | 397220.7 | 3870176 | 1.26E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-06 |
| 581 | 395620.7 | 3869176 | 1.26E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-06 |
| 557 | 395620.7 | 3869076 | 1.26E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-06 |
| 510 | 395670.7 | 3868876 | 1.25E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.25E-06 |
| 593 | 395620.7 | 3869226 | 1.24E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-06 |
| 715 | 395720.7 | 3869726 | 1.24E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-06 |
| 888 | 397270.7 | 3870076 | 1.24E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-06 |
| 545 | 395620.7 | 3869026 | 1.24E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-06 |
| 1129 | 397020.7 | 3870376 | 1.24E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-06 |
| 1076 | 396420.7 | 3870326 | 1.23E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.23E-06 |
| 1120 | 396570.7 | 3870376 | 1.22E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-06 |
| 1050 | 397170.7 | 3870276 | 1.22E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-06 |
| 605 | 395620.7 | 3869276 | 1.22E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-06 |
| 1090 | 397120.7 | 3870326 | 1.22E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-06 |
| 533 | 395620.7 | 3868976 | 1.20E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-06 |
| 929 | 397270.7 | 3870126 | 1.20E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-06 |
| 487 | 395720.7 | 3868776 | 1.20E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-06 |
| 1010 | 397220.7 | 3870226 | 1.20E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-06 |
| 476 | 395770.7 | 3868726 | 1.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-06 |
| 904 | 396020.7 | 3870126 | 1.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-06 |
| 678 | 395670.7 | 3869576 | 1.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-06 |
| 617 | 395620.7 | 3869326 | 1.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-06 |
| 1166 | 396820.7 | 3870426 | 1.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-06 |
| 1130 | 397070.7 | 3870376 | 1.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-06 |
| 1167 | 396870.7 | 3870426 | 1.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-06 |
| 1165 | 396770.7 | 3870426 | 1.18E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.18E-06 |
| 1119 | 396520.7 | 3870376 | 1.18E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.18E-06 |

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|---|---|---|---|---|---|
| 1168 | 396920.7 | 3870426 | 1.18E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.18E-06 |
| 465 | 395820.7 | 3868676 | 1.17E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-06 |
| 498 | 395670.7 | 3868826 | 1.17E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-06 |
| 1032 | 396270.7 | 3870276 | 1.17E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-06 |
| 1164 | 396720.7 | 3870426 | 1.17E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-06 |
| 521 | 395620.7 | 3868926 | 1.16E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-06 |
| 989 | 396170.7 | 3870226 | 1.16E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-06 |
| 970 | 397270.7 | 3870176 | 1.16E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-06 |
| 1169 | 396970.7 | 3870426 | 1.16E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-06 |
| 1075 | 396370.7 | 3870326 | 1.15E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.15E-06 |
| 629 | 395620.7 | 3869376 | 1.15E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.15E-06 |
| 1091 | 397170.7 | 3870326 | 1.15E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.15E-06 |
| 1051 | 397220.7 | 3870276 | 1.14E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-06 |
| 1163 | 396670.7 | 3870426 | 1.14E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-06 |
| 1131 | 397120.7 | 3870376 | 1.14E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-06 |
| 752 | 395770.7 | 3869876 | 1.13E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.13E-06 |
| 1170 | 397020.7 | 3870426 | 1.13E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.13E-06 |
| 1118 | 396470.7 | 3870376 | 1.12E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-06 |
| 1011 | 397270.7 | 3870226 | 1.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-06 |
| 1162 | 396620.7 | 3870426 | 1.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-06 |
| 509 | 395620.7 | 3868876 | 1.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-06 |
| 641 | 395620.7 | 3869426 | 1.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-06 |
| 690 | 395670.7 | 3869626 | 1.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-06 |
| 946 | 396070.7 | 3870176 | 1.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-06 |
| 475 | 395720.7 | 3868726 | 1.10E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-06 |
| 727 | 395720.7 | 3869776 | 1.10E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-06 |
| 1171 | 397070.7 | 3870426 | 1.10E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-06 |
| 486 | 395670.7 | 3868776 | 1.09E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.09E-06 |
| 464 | 395770.7 | 3868676 | 1.08E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-06 |
| 1092 | 397220.7 | 3870326 | 1.08E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-06 |
| 1132 | 397170.7 | 3870376 | 1.08E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-06 |
| 1074 | 396320.7 | 3870326 | 1.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-06 |
| 1161 | 396570.7 | 3870426 | 1.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-06 |
| 1208 | 396870.7 | 3870476 | 1.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-06 |
| 1207 | 396820.7 | 3870476 | 1.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-06 |
| 453 | 395820.7 | 3868626 | 1.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-06 |
| 556 | 395570.7 | 3869076 | 1.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-06 |
| 1031 | 396220.7 | 3870276 | 1.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-06 |
| 1209 | 396920.7 | 3870476 | 1.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-06 |
| 568 | 395570.7 | 3869126 | 1.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-06 |
| 1052 | 397270.7 | 3870276 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 544 | 395570.7 | 3869026 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 653 | 395620.7 | 3869476 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 1117 | 396420.7 | 3870376 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 1172 | 397120.7 | 3870426 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 1206 | 396770.7 | 3870476 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 580 | 395570.7 | 3869176 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 1210 | 396970.7 | 3870476 | 1.05E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-06 |
| 497 | 395620.7 | 3868826 | 1.05E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-06 |
| 532 | 395570.7 | 3868976 | 1.04E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-06 |

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| 1205 | 396720.7 | 3870476 | 1.04E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-06 |
| 592 | 395570.7 | 3869226 | 1.04E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-06 |
| 1211 | 397020.7 | 3870476 | 1.04E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-06 |
| 1160 | 396520.7 | 3870426 | 1.03E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.03E-06 |
| 988 | 396120.7 | 3870226 | 1.03E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.03E-06 |
| 1133 | 397220.7 | 3870376 | 1.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-06 |
| 520 | 395570.7 | 3868926 | 1.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-06 |
| 702 | 395670.7 | 3869676 | 1.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-06 |
| 474 | 395670.7 | 3868726 | 1.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-06 |
| 1093 | 397270.7 | 3870326 | 1.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-06 |
| 604 | 395570.7 | 3869276 | 1.01E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-06 |
| 1173 | 397170.7 | 3870426 | 1.01E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-06 |
| 1204 | 396670.7 | 3870476 | 1.01E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-06 |
| 1212 | 397070.7 | 3870476 | 1.01E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-06 |
| 463 | 395720.7 | 3868676 | 1.01E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-06 |
| 861 | 395920.7 | 3870076 | 1.00E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-06 |
| 665 | 395620.7 | 3869526 | 1.00E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-06 |
| 819 | 395870.7 | 3870026 | 1.00E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-06 |
| 452 | 395770.7 | 3868626 | 9.97E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.97E-07 |
| 1116 | 396370.7 | 3870376 | 9.93E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.93E-07 |
| 1073 | 396270.7 | 3870326 | 9.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.90E-07 |
| 485 | 395620.7 | 3868776 | 9.89E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.89E-07 |
| 616 | 395570.7 | 3869326 | 9.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.85E-07 |
| 1213 | 397120.7 | 3870476 | 9.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.85E-07 |
| 508 | 395570.7 | 3868876 | 9.83E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.83E-07 |
| 1203 | 396620.7 | 3870476 | 9.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.82E-07 |
| 1159 | 396470.7 | 3870426 | 9.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.77E-07 |
| 903 | 395970.7 | 3870126 | 9.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.74E-07 |
| 1249 | 396870.7 | 3870526 | 9.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.70E-07 |
| 1250 | 396920.7 | 3870526 | 9.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.69E-07 |
| 1134 | 397270.7 | 3870376 | 9.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.67E-07 |
| 1174 | 397220.7 | 3870426 | 9.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.66E-07 |
| 1248 | 396820.7 | 3870526 | 9.64E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.64E-07 |
| 1251 | 396970.7 | 3870526 | 9.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.63E-07 |
| 1030 | 396170.7 | 3870276 | 9.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.59E-07 |
| 1252 | 397020.7 | 3870526 | 9.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.52E-07 |
| 1247 | 396770.7 | 3870526 | 9.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.51E-07 |
| 1214 | 397170.7 | 3870476 | 9.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.51E-07 |
| 628 | 395570.7 | 3869376 | 9.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.48E-07 |
| 777 | 395820.7 | 3869976 | 9.45E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.45E-07 |
| 496 | 395570.7 | 3868826 | 9.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.44E-07 |
| 1202 | 396570.7 | 3870476 | 9.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.44E-07 |
| 739 | 395720.7 | 3869826 | 9.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.44E-07 |
| 462 | 395670.7 | 3868676 | 9.43E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.43E-07 |
| 451 | 395720.7 | 3868626 | 9.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.38E-07 |
| 1253 | 397070.7 | 3870526 | 9.36E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.36E-07 |
| 677 | 395620.7 | 3869576 | 9.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.35E-07 |
| 473 | 395620.7 | 3868726 | 9.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.33E-07 |
| 945 | 396020.7 | 3870176 | 9.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.32E-07 |
| 1246 | 396720.7 | 3870526 | 9.31E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.31E-07 |

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| 1115 | 396320.7 | 3870376 | 9.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.22E-07 |
| 1158 | 396420.7 | 3870426 | 9.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.22E-07 |
| 555 | 395520.7 | 3869076 | 9.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.19E-07 |
| 1175 | 397270.7 | 3870426 | 9.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.19E-07 |
| 543 | 395520.7 | 3869026 | 9.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.19E-07 |
| 714 | 395670.7 | 3869726 | 9.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.17E-07 |
| 1254 | 397120.7 | 3870526 | 9.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.15E-07 |
| 567 | 395520.7 | 3869126 | 9.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.12E-07 |
| 1215 | 397220.7 | 3870476 | 9.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.12E-07 |
| 531 | 395520.7 | 3868976 | 9.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.11E-07 |
| 640 | 395570.7 | 3869426 | 9.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.07E-07 |
| 1245 | 396670.7 | 3870526 | 9.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.05E-07 |
| 1201 | 396520.7 | 3870476 | 9.04E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.04E-07 |
| 1072 | 396220.7 | 3870326 | 9.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.01E-07 |
| 484 | 395570.7 | 3868776 | 8.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.99E-07 |
| 579 | 395520.7 | 3869176 | 8.98E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.98E-07 |
| 519 | 395520.7 | 3868926 | 8.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.96E-07 |
| 1255 | 397170.7 | 3870526 | 8.89E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.89E-07 |
| 987 | 396070.7 | 3870226 | 8.88E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.88E-07 |
| 1291 | 396920.7 | 3870576 | 8.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.84E-07 |
| 1290 | 396870.7 | 3870576 | 8.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.82E-07 |
| 1292 | 396970.7 | 3870576 | 8.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.82E-07 |
| 591 | 395520.7 | 3869226 | 8.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.79E-07 |
| 764 | 395770.7 | 3869926 | 8.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.79E-07 |
| 450 | 395670.7 | 3868626 | 8.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.78E-07 |
| 461 | 395620.7 | 3868676 | 8.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.77E-07 |
| 507 | 395520.7 | 3868876 | 8.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.75E-07 |
| 1293 | 397020.7 | 3870576 | 8.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.75E-07 |
| 1289 | 396820.7 | 3870576 | 8.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.74E-07 |
| 1244 | 396620.7 | 3870526 | 8.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.72E-07 |
| 1216 | 397270.7 | 3870476 | 8.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.72E-07 |
| 689 | 395620.7 | 3869626 | 8.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.67E-07 |
| 1294 | 397070.7 | 3870576 | 8.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.65E-07 |
| 1157 | 396370.7 | 3870426 | 8.62E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.62E-07 |
| 652 | 395570.7 | 3869476 | 8.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.60E-07 |
| 1256 | 397220.7 | 3870526 | 8.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.59E-07 |
| 1200 | 396470.7 | 3870476 | 8.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.58E-07 |
| 1288 | 396770.7 | 3870576 | 8.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.57E-07 |
| 472 | 395570.7 | 3868726 | 8.54E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.54E-07 |
| 603 | 395520.7 | 3869276 | 8.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.52E-07 |
| 1029 | 396120.7 | 3870276 | 8.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.50E-07 |
| 1295 | 397120.7 | 3870576 | 8.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.50E-07 |
| 1114 | 396270.7 | 3870376 | 8.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.48E-07 |
| 495 | 395520.7 | 3868826 | 8.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.48E-07 |
| 1243 | 396570.7 | 3870526 | 8.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.38E-07 |
| 1287 | 396720.7 | 3870576 | 8.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.35E-07 |
| 1296 | 397170.7 | 3870576 | 8.31E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.31E-07 |
| 1257 | 397270.7 | 3870526 | 8.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.25E-07 |
| 449 | 395620.7 | 3868626 | 8.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.24E-07 |
| 615 | 395520.7 | 3869326 | 8.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.24E-07 |

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|---|---|---|---|---|---|
| 483 | 395520.7 | 3868776 | 8.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.17E-07 |
| 726 | 395670.7 | 3869776 | 8.13E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.13E-07 |
| 664 | 395570.7 | 3869526 | 8.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.11E-07 |
| 460 | 395570.7 | 3868676 | 8.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.11E-07 |
| 1071 | 396170.7 | 3870326 | 8.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.11E-07 |
| 1333 | 396970.7 | 3870626 | 8.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.10E-07 |
| 1332 | 396920.7 | 3870626 | 8.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.09E-07 |
| 1286 | 396670.7 | 3870576 | 8.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.09E-07 |
| 1199 | 396420.7 | 3870476 | 8.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.08E-07 |
| 1297 | 397220.7 | 3870576 | 8.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.07E-07 |
| 1334 | 397020.7 | 3870626 | 8.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.06E-07 |
| 542 | 395470.7 | 3869026 | 8.04E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.04E-07 |
| 1331 | 396870.7 | 3870626 | 8.04E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.04E-07 |
| 530 | 395470.7 | 3868976 | 8.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.02E-07 |
| 1242 | 396520.7 | 3870526 | 8.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.01E-07 |
| 1335 | 397070.7 | 3870626 | 8.00E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.00E-07 |
| 1156 | 396320.7 | 3870426 | 8.00E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.00E-07 |
| 554 | 395470.7 | 3869076 | 7.97E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.97E-07 |
| 518 | 395470.7 | 3868926 | 7.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.95E-07 |
| 701 | 395620.7 | 3869676 | 7.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.94E-07 |
| 627 | 395520.7 | 3869376 | 7.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.92E-07 |
| 1330 | 396820.7 | 3870626 | 7.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.92E-07 |
| 1336 | 397120.7 | 3870626 | 7.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.90E-07 |
| 751 | 395720.7 | 3869876 | 7.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.90E-07 |
| 566 | 395470.7 | 3869126 | 7.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.87E-07 |
| 902 | 395920.7 | 3870126 | 7.86E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.86E-07 |
| 471 | 395520.7 | 3868726 | 7.83E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.83E-07 |
| 506 | 395470.7 | 3868876 | 7.83E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.83E-07 |
| 1298 | 397270.7 | 3870576 | 7.81E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.81E-07 |
| 1285 | 396620.7 | 3870576 | 7.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.80E-07 |
| 944 | 395970.7 | 3870176 | 7.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.80E-07 |
| 1337 | 397170.7 | 3870626 | 7.76E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.76E-07 |
| 1329 | 396770.7 | 3870626 | 7.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.75E-07 |
| 860 | 395870.7 | 3870076 | 7.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.74E-07 |
| 1113 | 396220.7 | 3870376 | 7.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.72E-07 |
| 578 | 395470.7 | 3869176 | 7.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.71E-07 |
| 448 | 395570.7 | 3868626 | 7.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.69E-07 |
| 494 | 395470.7 | 3868826 | 7.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.66E-07 |
| 986 | 396020.7 | 3870226 | 7.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.63E-07 |
| 1241 | 396470.7 | 3870526 | 7.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.59E-07 |
| 676 | 395570.7 | 3869576 | 7.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.59E-07 |
| 1338 | 397220.7 | 3870626 | 7.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.58E-07 |
| 639 | 395520.7 | 3869426 | 7.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.56E-07 |
| 1198 | 396370.7 | 3870476 | 7.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.55E-07 |
| 1328 | 396720.7 | 3870626 | 7.54E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.54E-07 |
| 590 | 395470.7 | 3869226 | 7.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.52E-07 |
| 459 | 395520.7 | 3868676 | 7.49E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.49E-07 |
| 1284 | 396570.7 | 3870576 | 7.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.48E-07 |
| 482 | 395470.7 | 3868776 | 7.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.44E-07 |
| 1028 | 396070.7 | 3870276 | 7.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.41E-07 |

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|---|---|---|---|---|---|
| 818 | 395820.7 | 3870026 | 7.39E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.39E-07 |
| 1339 | 397270.7 | 3870626 | 7.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.37E-07 |
| 1155 | 396270.7 | 3870426 | 7.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.35E-07 |
| 602 | 395470.7 | 3869276 | 7.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.29E-07 |
| 1327 | 396670.7 | 3870626 | 7.28E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.28E-07 |
| 470 | 395470.7 | 3868726 | 7.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.18E-07 |
| 1070 | 396120.7 | 3870326 | 7.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.17E-07 |
| 651 | 395520.7 | 3869476 | 7.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.17E-07 |
| 713 | 395620.7 | 3869726 | 7.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.17E-07 |
| 447 | 395520.7 | 3868626 | 7.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.15E-07 |
| 1240 | 396420.7 | 3870526 | 7.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.14E-07 |
| 1283 | 396520.7 | 3870576 | 7.13E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.13E-07 |
| 529 | 395420.7 | 3868976 | 7.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.08E-07 |
| 738 | 395670.7 | 3869826 | 7.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.06E-07 |
| 517 | 395420.7 | 3868926 | 7.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.06E-07 |
| 541 | 395420.7 | 3869026 | 7.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.06E-07 |
| 614 | 395470.7 | 3869326 | 7.03E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.03E-07 |
| 688 | 395570.7 | 3869626 | 7.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.02E-07 |
| 505 | 395420.7 | 3868876 | 7.00E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.00E-07 |
| 1326 | 396620.7 | 3870626 | 7.00E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.00E-07 |
| 1197 | 396320.7 | 3870476 | 6.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.99E-07 |
| 553 | 395420.7 | 3869076 | 6.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.99E-07 |
| 1112 | 396170.7 | 3870376 | 6.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.94E-07 |
| 776 | 395770.7 | 3869976 | 6.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.94E-07 |
| 493 | 395420.7 | 3868826 | 6.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.91E-07 |
| 458 | 395470.7 | 3868676 | 6.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.91E-07 |
| 565 | 395420.7 | 3869126 | 6.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.87E-07 |
| 481 | 395420.7 | 3868776 | 6.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.77E-07 |
| 663 | 395520.7 | 3869526 | 6.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.74E-07 |
| 626 | 395470.7 | 3869376 | 6.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.74E-07 |
| 1282 | 396470.7 | 3870576 | 6.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.73E-07 |
| 577 | 395420.7 | 3869176 | 6.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.71E-07 |
| 1154 | 396220.7 | 3870426 | 6.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.69E-07 |
| 1325 | 396570.7 | 3870626 | 6.68E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.68E-07 |
| 446 | 395470.7 | 3868626 | 6.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.65E-07 |
| 1239 | 396370.7 | 3870526 | 6.64E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.64E-07 |
| 469 | 395420.7 | 3868726 | 6.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.60E-07 |
| 763 | 395720.7 | 3869926 | 6.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.53E-07 |
| 589 | 395420.7 | 3869226 | 6.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.52E-07 |
| 985 | 395970.7 | 3870226 | 6.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.50E-07 |
| 943 | 395920.7 | 3870176 | 6.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.48E-07 |
| 1027 | 396020.7 | 3870276 | 6.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.44E-07 |
| 700 | 395570.7 | 3869676 | 6.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.42E-07 |
| 1196 | 396270.7 | 3870476 | 6.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.42E-07 |
| 638 | 395470.7 | 3869426 | 6.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.41E-07 |
| 457 | 395420.7 | 3868676 | 6.39E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.39E-07 |
| 725 | 395620.7 | 3869776 | 6.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.37E-07 |
| 1324 | 396520.7 | 3870626 | 6.36E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.36E-07 |
| 901 | 395870.7 | 3870126 | 6.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.35E-07 |
| 1069 | 396070.7 | 3870326 | 6.34E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.34E-07 |

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|---|---|---|---|---|---|
| 1281 | 396420.7 | 3870576 | 6.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.33E-07 |
| 516 | 395370.7 | 3868926 | 6.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.33E-07 |
| 528 | 395370.7 | 3868976 | 6.31E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.31E-07 |
| 504 | 395370.7 | 3868876 | 6.31E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.31E-07 |
| 601 | 395420.7 | 3869276 | 6.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.30E-07 |
| 675 | 395520.7 | 3869576 | 6.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.29E-07 |
| 540 | 395370.7 | 3869026 | 6.26E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.26E-07 |
| 492 | 395370.7 | 3868826 | 6.26E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.26E-07 |
| 1111 | 396120.7 | 3870376 | 6.21E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.21E-07 |
| 552 | 395370.7 | 3869076 | 6.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.18E-07 |
| 480 | 395370.7 | 3868776 | 6.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.18E-07 |
| 445 | 395420.7 | 3868626 | 6.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.16E-07 |
| 1238 | 396320.7 | 3870526 | 6.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.16E-07 |
| 859 | 395820.7 | 3870076 | 6.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.12E-07 |
| 650 | 395470.7 | 3869476 | 6.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.07E-07 |
| 750 | 395670.7 | 3869876 | 6.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.07E-07 |
| 613 | 395420.7 | 3869326 | 6.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.06E-07 |
| 564 | 395370.7 | 3869126 | 6.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.06E-07 |
| 468 | 395370.7 | 3868726 | 6.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.05E-07 |
| 1153 | 396170.7 | 3870426 | 6.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.05E-07 |
| 1323 | 396470.7 | 3870626 | 6.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.02E-07 |
| 1280 | 396370.7 | 3870576 | 5.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.91E-07 |
| 456 | 395370.7 | 3868676 | 5.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.91E-07 |
| 576 | 395370.7 | 3869176 | 5.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.90E-07 |
| 1195 | 396220.7 | 3870476 | 5.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.87E-07 |
| 687 | 395520.7 | 3869626 | 5.81E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.81E-07 |
| 712 | 395570.7 | 3869726 | 5.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.80E-07 |
| 625 | 395420.7 | 3869376 | 5.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.78E-07 |
| 817 | 395770.7 | 3870026 | 5.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.77E-07 |
| 444 | 395370.7 | 3868626 | 5.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.73E-07 |
| 503 | 395320.7 | 3868876 | 5.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.71E-07 |
| 588 | 395370.7 | 3869226 | 5.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.70E-07 |
| 662 | 395470.7 | 3869526 | 5.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.70E-07 |
| 515 | 395320.7 | 3868926 | 5.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.69E-07 |
| 491 | 395320.7 | 3868826 | 5.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.69E-07 |
| 1237 | 396270.7 | 3870526 | 5.68E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.68E-07 |
| 1322 | 396420.7 | 3870626 | 5.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.66E-07 |
| 527 | 395320.7 | 3868976 | 5.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.66E-07 |
| 479 | 395320.7 | 3868776 | 5.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.65E-07 |
| 737 | 395620.7 | 3869826 | 5.61E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.61E-07 |
| 539 | 395320.7 | 3869026 | 5.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.59E-07 |
| 1026 | 395970.7 | 3870276 | 5.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.57E-07 |
| 467 | 395320.7 | 3868726 | 5.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.57E-07 |
| 1068 | 396020.7 | 3870326 | 5.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.57E-07 |
| 1110 | 396070.7 | 3870376 | 5.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.53E-07 |
| 984 | 395920.7 | 3870226 | 5.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.53E-07 |
| 551 | 395320.7 | 3869076 | 5.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.50E-07 |
| 637 | 395420.7 | 3869426 | 5.49E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.49E-07 |
| 1279 | 396320.7 | 3870576 | 5.49E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.49E-07 |
| 600 | 395370.7 | 3869276 | 5.49E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.49E-07 |

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|---|---|---|---|---|---|
| 775 | 395720.7 | 3869976 | 5.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.46E-07 |
| 455 | 395320.7 | 3868676 | 5.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.46E-07 |
| 1152 | 396120.7 | 3870426 | 5.45E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.45E-07 |
| 942 | 395870.7 | 3870176 | 5.40E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.40E-07 |
| 563 | 395320.7 | 3869126 | 5.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.37E-07 |
| 1194 | 396170.7 | 3870476 | 5.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.35E-07 |
| 443 | 395320.7 | 3868626 | 5.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.33E-07 |
| 699 | 395520.7 | 3869676 | 5.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.32E-07 |
| 674 | 395470.7 | 3869576 | 5.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.30E-07 |
| 1321 | 396370.7 | 3870626 | 5.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.29E-07 |
| 612 | 395370.7 | 3869326 | 5.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.25E-07 |
| 575 | 395320.7 | 3869176 | 5.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.22E-07 |
| 900 | 395820.7 | 3870126 | 5.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.22E-07 |
| 1236 | 396220.7 | 3870526 | 5.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.22E-07 |
| 724 | 395570.7 | 3869776 | 5.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.19E-07 |
| 762 | 395670.7 | 3869926 | 5.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.19E-07 |
| 649 | 395420.7 | 3869476 | 5.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.18E-07 |
| 490 | 395270.7 | 3868826 | 5.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.17E-07 |
| 502 | 395270.7 | 3868876 | 5.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.16E-07 |
| 478 | 395270.7 | 3868776 | 5.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.16E-07 |
| 514 | 395270.7 | 3868926 | 5.13E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.13E-07 |
| 466 | 395270.7 | 3868726 | 5.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.12E-07 |
| 1278 | 396270.7 | 3870576 | 5.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.08E-07 |
| 526 | 395270.7 | 3868976 | 5.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.08E-07 |
| 454 | 395270.7 | 3868676 | 5.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.06E-07 |
| 587 | 395320.7 | 3869226 | 5.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.02E-07 |
| 624 | 395370.7 | 3869376 | 5.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.02E-07 |
| 538 | 395270.7 | 3869026 | 5.00E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.00E-07 |
| 442 | 395270.7 | 3868626 | 4.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.96E-07 |
| 858 | 395770.7 | 3870076 | 4.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.96E-07 |
| 1320 | 396320.7 | 3870626 | 4.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.92E-07 |
| 550 | 395270.7 | 3869076 | 4.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.91E-07 |
| 749 | 395620.7 | 3869876 | 4.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.90E-07 |
| 1109 | 396020.7 | 3870376 | 4.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.90E-07 |
| 1151 | 396070.7 | 3870426 | 4.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.90E-07 |
| 686 | 395470.7 | 3869626 | 4.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.87E-07 |
| 1067 | 395970.7 | 3870326 | 4.86E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.86E-07 |
| 1193 | 396120.7 | 3870476 | 4.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.85E-07 |
| 661 | 395420.7 | 3869526 | 4.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.85E-07 |
| 599 | 395320.7 | 3869276 | 4.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.82E-07 |
| 711 | 395520.7 | 3869726 | 4.81E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.81E-07 |
| 562 | 395270.7 | 3869126 | 4.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.78E-07 |
| 1025 | 395920.7 | 3870276 | 4.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.78E-07 |
| 1235 | 396170.7 | 3870526 | 4.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.78E-07 |
| 636 | 395370.7 | 3869426 | 4.76E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.76E-07 |
| 983 | 395870.7 | 3870226 | 4.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.70E-07 |
| 816 | 395720.7 | 3870026 | 4.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.70E-07 |
| 1277 | 396220.7 | 3870576 | 4.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.67E-07 |
| 574 | 395270.7 | 3869176 | 4.64E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.64E-07 |
| 736 | 395570.7 | 3869826 | 4.62E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.62E-07 |

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|---|---|---|---|---|---|
| 611 | 395320.7 | 3869326 | 4.61E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.61E-07 |
| 941 | 395820.7 | 3870176 | 4.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.57E-07 |
| 1319 | 396270.7 | 3870626 | 4.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-07 |
| 673 | 395420.7 | 3869576 | 4.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.51E-07 |
| 648 | 395370.7 | 3869476 | 4.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.48E-07 |
| 774 | 395670.7 | 3869976 | 4.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.48E-07 |
| 586 | 395270.7 | 3869226 | 4.47E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.47E-07 |
| 698 | 395470.7 | 3869676 | 4.47E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.47E-07 |
| 623 | 395320.7 | 3869376 | 4.39E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.39E-07 |
| 1192 | 396070.7 | 3870476 | 4.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.38E-07 |
| 899 | 395770.7 | 3870126 | 4.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.37E-07 |
| 1150 | 396020.7 | 3870426 | 4.36E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.36E-07 |
| 1234 | 396120.7 | 3870526 | 4.36E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.36E-07 |
| 723 | 395520.7 | 3869776 | 4.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.33E-07 |
| 1108 | 395970.7 | 3870376 | 4.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.30E-07 |
| 1276 | 396170.7 | 3870576 | 4.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.30E-07 |
| 761 | 395620.7 | 3869926 | 4.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.29E-07 |
| 598 | 395270.7 | 3869276 | 4.28E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.28E-07 |
| 1066 | 395920.7 | 3870326 | 4.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.24E-07 |
| 1318 | 396220.7 | 3870626 | 4.23E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.23E-07 |
| 660 | 395370.7 | 3869526 | 4.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.19E-07 |
| 685 | 395420.7 | 3869626 | 4.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.17E-07 |
| 1024 | 395870.7 | 3870276 | 4.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.16E-07 |
| 635 | 395320.7 | 3869426 | 4.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.16E-07 |
| 857 | 395720.7 | 3870076 | 4.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.15E-07 |
| 748 | 395570.7 | 3869876 | 4.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.10E-07 |
| 610 | 395270.7 | 3869326 | 4.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-07 |
| 710 | 395470.7 | 3869726 | 4.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-07 |
| 982 | 395820.7 | 3870226 | 4.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.06E-07 |
| 815 | 395670.7 | 3870026 | 3.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.96E-07 |
| 1233 | 396070.7 | 3870526 | 3.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.95E-07 |
| 1275 | 396120.7 | 3870576 | 3.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.94E-07 |
| 1191 | 396020.7 | 3870476 | 3.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.92E-07 |
| 647 | 395320.7 | 3869476 | 3.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.91E-07 |
| 735 | 395520.7 | 3869826 | 3.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.91E-07 |
| 1317 | 396170.7 | 3870626 | 3.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.91E-07 |
| 940 | 395770.7 | 3870176 | 3.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.91E-07 |
| 672 | 395370.7 | 3869576 | 3.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.90E-07 |
| 622 | 395270.7 | 3869376 | 3.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.87E-07 |
| 1149 | 395970.7 | 3870426 | 3.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.87E-07 |
| 697 | 395420.7 | 3869676 | 3.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.84E-07 |
| 1107 | 395920.7 | 3870376 | 3.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.80E-07 |
| 773 | 395620.7 | 3869976 | 3.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.80E-07 |
| 1065 | 395870.7 | 3870326 | 3.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.73E-07 |
| 898 | 395720.7 | 3870126 | 3.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.72E-07 |
| 722 | 395470.7 | 3869776 | 3.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.72E-07 |
| 659 | 395320.7 | 3869526 | 3.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.66E-07 |
| 760 | 395570.7 | 3869926 | 3.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.66E-07 |
| 634 | 395270.7 | 3869426 | 3.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.65E-07 |
| 1023 | 395820.7 | 3870276 | 3.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.65E-07 |

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|---|---|---|---|---|---|
| 684 | 395370.7 | 3869626 | 3.61E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.61E-07 |
| 1316 | 396120.7 | 3870626 | 3.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.60E-07 |
| 1274 | 396070.7 | 3870576 | 3.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.60E-07 |
| 1232 | 396020.7 | 3870526 | 3.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.57E-07 |
| 856 | 395670.7 | 3870076 | 3.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.55E-07 |
| 709 | 395420.7 | 3869726 | 3.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.53E-07 |
| 981 | 395770.7 | 3870226 | 3.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.53E-07 |
| 747 | 395520.7 | 3869876 | 3.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.53E-07 |
| 1190 | 395970.7 | 3870476 | 3.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.52E-07 |
| 1148 | 395920.7 | 3870426 | 3.45E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.45E-07 |
| 646 | 395270.7 | 3869476 | 3.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.44E-07 |
| 671 | 395320.7 | 3869576 | 3.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.41E-07 |
| 814 | 395620.7 | 3870026 | 3.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.41E-07 |
| 734 | 395470.7 | 3869826 | 3.39E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.39E-07 |
| 1106 | 395870.7 | 3870376 | 3.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.38E-07 |
| 939 | 395720.7 | 3870176 | 3.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.37E-07 |
| 696 | 395370.7 | 3869676 | 3.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.35E-07 |
| 1064 | 395820.7 | 3870326 | 3.31E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.31E-07 |
| 1315 | 396070.7 | 3870626 | 3.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.30E-07 |
| 772 | 395570.7 | 3869976 | 3.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.29E-07 |
| 1273 | 396020.7 | 3870576 | 3.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.27E-07 |
| 721 | 395420.7 | 3869776 | 3.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.25E-07 |
| 658 | 395270.7 | 3869526 | 3.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.22E-07 |
| 1231 | 395970.7 | 3870526 | 3.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.22E-07 |
| 1022 | 395770.7 | 3870276 | 3.21E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.21E-07 |
| 897 | 395670.7 | 3870126 | 3.21E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.21E-07 |
| 759 | 395520.7 | 3869926 | 3.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.19E-07 |
| 683 | 395320.7 | 3869626 | 3.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.18E-07 |
| 1189 | 395920.7 | 3870476 | 3.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.15E-07 |
| 708 | 395370.7 | 3869726 | 3.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.10E-07 |
| 855 | 395620.7 | 3870076 | 3.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.10E-07 |
| 746 | 395470.7 | 3869876 | 3.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.09E-07 |
| 1147 | 395870.7 | 3870426 | 3.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.09E-07 |
| 980 | 395720.7 | 3870226 | 3.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.06E-07 |
| 1105 | 395820.7 | 3870376 | 3.03E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.03E-07 |
| 1314 | 396020.7 | 3870626 | 3.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-07 |
| 670 | 395270.7 | 3869576 | 3.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-07 |
| 813 | 395570.7 | 3870026 | 2.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.99E-07 |
| 733 | 395420.7 | 3869826 | 2.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.99E-07 |
| 1272 | 395970.7 | 3870576 | 2.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.96E-07 |
| 695 | 395320.7 | 3869676 | 2.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.96E-07 |
| 1063 | 395770.7 | 3870326 | 2.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.94E-07 |
| 938 | 395670.7 | 3870176 | 2.93E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.93E-07 |
| 1230 | 395920.7 | 3870526 | 2.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.91E-07 |
| 771 | 395520.7 | 3869976 | 2.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.90E-07 |
| 720 | 395370.7 | 3869776 | 2.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.87E-07 |
| 1188 | 395870.7 | 3870476 | 2.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.84E-07 |
| 758 | 395470.7 | 3869926 | 2.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.82E-07 |
| 1021 | 395720.7 | 3870276 | 2.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.82E-07 |
| 896 | 395620.7 | 3870126 | 2.81E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-07 |

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|---|---|---|---|---|---|
| 682 | 395270.7 | 3869626 | 2.81E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-07 |
| 1146 | 395820.7 | 3870426 | 2.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.78E-07 |
| 707 | 395320.7 | 3869726 | 2.76E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.76E-07 |
| 1313 | 395970.7 | 3870626 | 2.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.74E-07 |
| 745 | 395420.7 | 3869876 | 2.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.74E-07 |
| 854 | 395570.7 | 3870076 | 2.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.72E-07 |
| 1104 | 395770.7 | 3870376 | 2.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.71E-07 |
| 979 | 395670.7 | 3870226 | 2.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.70E-07 |
| 1271 | 395920.7 | 3870576 | 2.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.69E-07 |
| 732 | 395370.7 | 3869826 | 2.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.66E-07 |
| 812 | 395520.7 | 3870026 | 2.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.65E-07 |
| 694 | 395270.7 | 3869676 | 2.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.63E-07 |
| 1229 | 395870.7 | 3870526 | 2.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.63E-07 |
| 1062 | 395720.7 | 3870326 | 2.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.60E-07 |
| 937 | 395620.7 | 3870176 | 2.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.59E-07 |
| 770 | 395470.7 | 3869976 | 2.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.58E-07 |
| 1187 | 395820.7 | 3870476 | 2.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.57E-07 |
| 719 | 395320.7 | 3869776 | 2.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.56E-07 |
| 757 | 395420.7 | 3869926 | 2.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.51E-07 |
| 895 | 395570.7 | 3870126 | 2.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.51E-07 |
| 1145 | 395770.7 | 3870426 | 2.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.51E-07 |
| 1020 | 395670.7 | 3870276 | 2.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.50E-07 |
| 1312 | 395920.7 | 3870626 | 2.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.50E-07 |
| 706 | 395270.7 | 3869726 | 2.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-07 |
| 744 | 395370.7 | 3869876 | 2.45E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.45E-07 |
| 1270 | 395870.7 | 3870576 | 2.45E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.45E-07 |
| 853 | 395520.7 | 3870076 | 2.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.44E-07 |
| 1103 | 395720.7 | 3870376 | 2.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.42E-07 |
| 978 | 395620.7 | 3870226 | 2.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.41E-07 |
| 1228 | 395820.7 | 3870526 | 2.40E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.40E-07 |
| 731 | 395320.7 | 3869826 | 2.39E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.39E-07 |
| 811 | 395470.7 | 3870026 | 2.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.37E-07 |
| 1186 | 395770.7 | 3870476 | 2.34E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.34E-07 |
| 1061 | 395670.7 | 3870326 | 2.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.32E-07 |
| 936 | 395570.7 | 3870176 | 2.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.32E-07 |
| 718 | 395270.7 | 3869776 | 2.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.32E-07 |
| 769 | 395420.7 | 3869976 | 2.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.32E-07 |
| 1311 | 395870.7 | 3870626 | 2.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.29E-07 |
| 756 | 395370.7 | 3869926 | 2.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.27E-07 |
| 894 | 395520.7 | 3870126 | 2.26E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.26E-07 |
| 1144 | 395720.7 | 3870426 | 2.26E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.26E-07 |
| 1269 | 395820.7 | 3870576 | 2.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.25E-07 |
| 1019 | 395620.7 | 3870276 | 2.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.24E-07 |
| 743 | 395320.7 | 3869876 | 2.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.22E-07 |
| 852 | 395470.7 | 3870076 | 2.21E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.21E-07 |
| 1227 | 395770.7 | 3870526 | 2.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.19E-07 |
| 730 | 395270.7 | 3869826 | 2.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.17E-07 |
| 810 | 395420.7 | 3870026 | 2.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.15E-07 |
| 1102 | 395670.7 | 3870376 | 2.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.12E-07 |
| 977 | 395570.7 | 3870226 | 2.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.11E-07 |

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|---|---|---|---|---|---|
| 768 | 395370.7 | 3869976 | 2.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.11E-07 |
| 1185 | 395720.7 | 3870476 | 2.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.07E-07 |
| 755 | 395320.7 | 3869926 | 2.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.07E-07 |
| 1268 | 395770.7 | 3870576 | 2.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.07E-07 |
| 935 | 395520.7 | 3870176 | 2.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.05E-07 |
| 1310 | 395820.7 | 3870626 | 2.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.05E-07 |
| 1060 | 395620.7 | 3870326 | 2.04E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.04E-07 |
| 742 | 395270.7 | 3869876 | 2.03E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.03E-07 |
| 893 | 395470.7 | 3870126 | 2.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.01E-07 |
| 1143 | 395670.7 | 3870426 | 1.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.99E-07 |
| 1018 | 395570.7 | 3870276 | 1.97E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.97E-07 |
| 851 | 395420.7 | 3870076 | 1.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.96E-07 |
| 1226 | 395720.7 | 3870526 | 1.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.95E-07 |
| 809 | 395370.7 | 3870026 | 1.93E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.93E-07 |
| 976 | 395520.7 | 3870226 | 1.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.90E-07 |
| 767 | 395320.7 | 3869976 | 1.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.90E-07 |
| 1101 | 395620.7 | 3870376 | 1.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.90E-07 |
| 1309 | 395770.7 | 3870626 | 1.89E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.89E-07 |
| 754 | 395270.7 | 3869926 | 1.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.87E-07 |
| 934 | 395470.7 | 3870176 | 1.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.87E-07 |
| 1184 | 395670.7 | 3870476 | 1.86E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.86E-07 |
| 1267 | 395720.7 | 3870576 | 1.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.84E-07 |
| 892 | 395420.7 | 3870126 | 1.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.84E-07 |
| 1059 | 395570.7 | 3870326 | 1.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.84E-07 |
| 850 | 395370.7 | 3870076 | 1.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.80E-07 |
| 1142 | 395620.7 | 3870426 | 1.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.78E-07 |
| 1017 | 395520.7 | 3870276 | 1.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.78E-07 |
| 808 | 395320.7 | 3870026 | 1.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.77E-07 |
| 1225 | 395670.7 | 3870526 | 1.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.77E-07 |
| 1308 | 395720.7 | 3870626 | 1.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.75E-07 |
| 766 | 395270.7 | 3869976 | 1.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.75E-07 |
| 975 | 395470.7 | 3870226 | 1.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.74E-07 |
| 1100 | 395570.7 | 3870376 | 1.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.73E-07 |
| 933 | 395420.7 | 3870176 | 1.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.73E-07 |
| 891 | 395370.7 | 3870126 | 1.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.70E-07 |
| 1183 | 395620.7 | 3870476 | 1.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.69E-07 |
| 1266 | 395670.7 | 3870576 | 1.68E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.68E-07 |
| 1058 | 395520.7 | 3870326 | 1.68E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.68E-07 |
| 849 | 395320.7 | 3870076 | 1.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.66E-07 |
| 807 | 395270.7 | 3870026 | 1.64E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.64E-07 |
| 1016 | 395470.7 | 3870276 | 1.64E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.64E-07 |
| 1141 | 395570.7 | 3870426 | 1.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-07 |
| 974 | 395420.7 | 3870226 | 1.62E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.62E-07 |
| 1307 | 395670.7 | 3870626 | 1.61E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.61E-07 |
| 932 | 395370.7 | 3870176 | 1.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.60E-07 |
| 1224 | 395620.7 | 3870526 | 1.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.60E-07 |
| 1099 | 395520.7 | 3870376 | 1.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.58E-07 |
| 890 | 395320.7 | 3870126 | 1.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.58E-07 |
| 848 | 395270.7 | 3870076 | 1.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.55E-07 |
| 1057 | 395470.7 | 3870326 | 1.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.55E-07 |

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|---|---|---|---|---|---|
| 1182 | 395570.7 | 3870476 | 1.54E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.54E-07 |
| 1265 | 395620.7 | 3870576 | 1.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.53E-07 |
| 1015 | 395420.7 | 3870276 | 1.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.51E-07 |
| 973 | 395370.7 | 3870226 | 1.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-07 |
| 1140 | 395520.7 | 3870426 | 1.49E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-07 |
| 931 | 395320.7 | 3870176 | 1.49E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-07 |
| 1306 | 395620.7 | 3870626 | 1.47E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.47E-07 |
| 889 | 395270.7 | 3870126 | 1.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-07 |
| 1223 | 395570.7 | 3870526 | 1.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-07 |
| 1098 | 395470.7 | 3870376 | 1.45E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-07 |
| 1056 | 395420.7 | 3870326 | 1.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.42E-07 |
| 1014 | 395370.7 | 3870276 | 1.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-07 |
| 972 | 395320.7 | 3870226 | 1.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-07 |
| 1181 | 395520.7 | 3870476 | 1.40E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.40E-07 |
| 930 | 395270.7 | 3870176 | 1.39E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-07 |
| 1264 | 395570.7 | 3870576 | 1.39E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-07 |
| 1139 | 395470.7 | 3870426 | 1.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.37E-07 |
| 1097 | 395420.7 | 3870376 | 1.34E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.34E-07 |
| 1222 | 395520.7 | 3870526 | 1.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-07 |
| 1305 | 395570.7 | 3870626 | 1.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-07 |
| 1013 | 395320.7 | 3870276 | 1.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-07 |
| 1055 | 395370.7 | 3870326 | 1.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-07 |
| 971 | 395270.7 | 3870226 | 1.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-07 |
| 1180 | 395470.7 | 3870476 | 1.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.30E-07 |
| 1138 | 395420.7 | 3870426 | 1.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-07 |
| 1263 | 395520.7 | 3870576 | 1.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-07 |
| 1096 | 395370.7 | 3870376 | 1.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.25E-07 |
| 1012 | 395270.7 | 3870276 | 1.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.25E-07 |
| 1054 | 395320.7 | 3870326 | 1.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-07 |
| 1221 | 395470.7 | 3870526 | 1.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-07 |
| 1304 | 395520.7 | 3870626 | 1.23E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.23E-07 |
| 1179 | 395420.7 | 3870476 | 1.21E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.21E-07 |
| 1137 | 395370.7 | 3870426 | 1.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.18E-07 |
| 1262 | 395470.7 | 3870576 | 1.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.18E-07 |
| 1053 | 395270.7 | 3870326 | 1.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.18E-07 |
| 1095 | 395320.7 | 3870376 | 1.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-07 |
| 1220 | 395420.7 | 3870526 | 1.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-07 |
| 1178 | 395370.7 | 3870476 | 1.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-07 |
| 1303 | 395470.7 | 3870626 | 1.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-07 |
| 1136 | 395320.7 | 3870426 | 1.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-07 |
| 1094 | 395270.7 | 3870376 | 1.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-07 |
| 1261 | 395420.7 | 3870576 | 1.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.09E-07 |
| 1219 | 395370.7 | 3870526 | 1.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-07 |
| 1177 | 395320.7 | 3870476 | 1.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-07 |
| 1302 | 395420.7 | 3870626 | 1.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-07 |
| 1135 | 395270.7 | 3870426 | 1.04E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-07 |
| 1260 | 395370.7 | 3870576 | 1.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-07 |
| 1218 | 395320.7 | 3870526 | 9.99E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.99E-08 |
| 1176 | 395270.7 | 3870476 | 9.92E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.92E-08 |
| 1301 | 395370.7 | 3870626 | 9.80E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.80E-08 |

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|---|---|---|---|---|---|
| 1259 | 395320.7 | 3870576 | 9.57E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.57E-08 |
| 1217 | 395270.7 | 3870526 | 9.45E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.45E-08 |
| 1300 | 395320.7 | 3870626 | 9.18E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.18E-08 |
| 1258 | 395270.7 | 3870576 | 9.04E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.04E-08 |
| 1299 | 395270.7 | 3870626 | 8.68E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.68E-08 |

**Edwards AFB Solar Facility Project - Construction HRA - Mitigated Cancer Health Risk**

**HARP 2 - Air Dispersion Modeling and Risk Tool v17320
**2/7/2018
** Cancer Risk Results of All Discrete Sensitive Receptor Points Are Shown - Descending From Maximum to Minimum

| REC | X | Y | RISK_SUM | SCENARIO | INH_RISK |
|---|---|---|---|---|---|
| 792 | 396570.7 | 3869976 | 4.20E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.20E-06 |
| 790 | 396470.7 | 3869976 | 4.18E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.18E-06 |
| 791 | 396520.7 | 3869976 | 4.18E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.18E-06 |
| 793 | 396620.7 | 3869976 | 4.16E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.16E-06 |
| 789 | 396420.7 | 3869976 | 4.13E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.13E-06 |
| 788 | 396370.7 | 3869976 | 4.05E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.05E-06 |
| 787 | 396320.7 | 3869976 | 3.96E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.96E-06 |
| 786 | 396270.7 | 3869976 | 3.84E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.84E-06 |
| 794 | 396668.3 | 3869988 | 3.68E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.68E-06 |
| 785 | 396220.7 | 3869976 | 3.68E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.68E-06 |
| 795 | 396718.3 | 3869988 | 3.58E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.58E-06 |
| 784 | 396170.7 | 3869976 | 3.52E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.52E-06 |
| 796 | 396768.3 | 3869988 | 3.36E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.36E-06 |
| 783 | 396120.7 | 3869976 | 3.32E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.32E-06 |
| 782 | 396070.7 | 3869976 | 3.04E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.04E-06 |
| 834 | 396620.7 | 3870026 | 2.89E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.89E-06 |
| 833 | 396570.7 | 3870026 | 2.89E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.89E-06 |
| 832 | 396520.7 | 3870026 | 2.88E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.88E-06 |
| 835 | 396670.7 | 3870026 | 2.86E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.86E-06 |
| 797 | 396818.3 | 3869988 | 2.83E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.83E-06 |
| 831 | 396470.7 | 3870026 | 2.83E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.83E-06 |
| 836 | 396720.7 | 3870026 | 2.81E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-06 |
| 830 | 396420.7 | 3870026 | 2.77E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.77E-06 |
| 781 | 396020.7 | 3869976 | 2.73E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.73E-06 |
| 829 | 396370.7 | 3870026 | 2.70E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.70E-06 |
| 837 | 396770.7 | 3870026 | 2.67E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.67E-06 |
| 828 | 396320.7 | 3870026 | 2.61E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.61E-06 |
| 609 | 395820.7 | 3869276 | 2.56E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.56E-06 |
| 597 | 395820.7 | 3869226 | 2.55E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.55E-06 |
| 621 | 395820.7 | 3869326 | 2.55E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.55E-06 |
| 633 | 395820.7 | 3869376 | 2.53E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.53E-06 |
| 585 | 395820.7 | 3869176 | 2.53E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.53E-06 |
| 827 | 396270.7 | 3870026 | 2.49E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.49E-06 |
| 645 | 395820.7 | 3869426 | 2.49E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.49E-06 |
| 573 | 395820.7 | 3869126 | 2.49E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.49E-06 |
| 657 | 395820.7 | 3869476 | 2.45E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.45E-06 |
| 838 | 396820.7 | 3870026 | 2.41E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.41E-06 |
| 669 | 395820.7 | 3869526 | 2.39E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.39E-06 |
| 826 | 396220.7 | 3870026 | 2.37E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.37E-06 |
| 561 | 395820.7 | 3869076 | 2.37E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.37E-06 |
| 780 | 395970.7 | 3869976 | 2.33E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.33E-06 |
| 681 | 395820.7 | 3869576 | 2.32E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.32E-06 |

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|---|---|---|---|---|---|
| 798 | 396868.3 | 3869993 | 2.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.31E-06 |
| 875 | 396620.7 | 3870076 | 2.24E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.24E-06 |
| 876 | 396670.7 | 3870076 | 2.23E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.23E-06 |
| 693 | 395820.7 | 3869626 | 2.23E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.23E-06 |
| 874 | 396570.7 | 3870076 | 2.22E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.22E-06 |
| 825 | 396170.7 | 3870026 | 2.22E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.22E-06 |
| 873 | 396520.7 | 3870076 | 2.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.19E-06 |
| 877 | 396720.7 | 3870076 | 2.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.19E-06 |
| 872 | 396470.7 | 3870076 | 2.15E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.15E-06 |
| 878 | 396770.7 | 3870076 | 2.12E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.12E-06 |
| 705 | 395820.7 | 3869676 | 2.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.11E-06 |
| 839 | 396870.7 | 3870026 | 2.10E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.10E-06 |
| 871 | 396420.7 | 3870076 | 2.09E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.09E-06 |
| 549 | 395820.7 | 3869026 | 2.07E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.07E-06 |
| 824 | 396120.7 | 3870026 | 2.03E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.03E-06 |
| 870 | 396370.7 | 3870076 | 2.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.02E-06 |
| 879 | 396820.7 | 3870076 | 2.00E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.00E-06 |
| 717 | 395820.7 | 3869726 | 1.98E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.98E-06 |
| 799 | 396918.3 | 3869993 | 1.97E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.97E-06 |
| 869 | 396320.7 | 3870076 | 1.93E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.93E-06 |
| 840 | 396920.7 | 3870026 | 1.83E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.83E-06 |
| 880 | 396870.7 | 3870076 | 1.83E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.83E-06 |
| 868 | 396270.7 | 3870076 | 1.83E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.83E-06 |
| 823 | 396070.7 | 3870026 | 1.82E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.82E-06 |
| 729 | 395820.7 | 3869776 | 1.82E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.82E-06 |
| 917 | 396670.7 | 3870126 | 1.81E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.81E-06 |
| 916 | 396620.7 | 3870126 | 1.81E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.81E-06 |
| 918 | 396720.7 | 3870126 | 1.80E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.80E-06 |
| 915 | 396570.7 | 3870126 | 1.79E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.79E-06 |
| 919 | 396770.7 | 3870126 | 1.76E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.76E-06 |
| 914 | 396520.7 | 3870126 | 1.76E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.76E-06 |
| 779 | 395920.7 | 3869976 | 1.73E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.73E-06 |
| 867 | 396220.7 | 3870076 | 1.72E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.72E-06 |
| 913 | 396470.7 | 3870126 | 1.71E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.71E-06 |
| 800 | 396968.3 | 3869993 | 1.70E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.70E-06 |
| 920 | 396820.7 | 3870126 | 1.69E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.69E-06 |
| 537 | 395820.7 | 3868976 | 1.68E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.68E-06 |
| 596 | 395770.7 | 3869226 | 1.68E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.68E-06 |
| 608 | 395770.7 | 3869276 | 1.67E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.67E-06 |
| 584 | 395770.7 | 3869176 | 1.67E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.67E-06 |
| 620 | 395770.7 | 3869326 | 1.66E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.66E-06 |
| 912 | 396420.7 | 3870126 | 1.65E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.65E-06 |
| 881 | 396920.7 | 3870076 | 1.65E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.65E-06 |
| 572 | 395770.7 | 3869126 | 1.64E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.64E-06 |
| 632 | 395770.7 | 3869376 | 1.64E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.64E-06 |
| 741 | 395820.7 | 3869826 | 1.62E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.62E-06 |
| 841 | 396970.7 | 3870026 | 1.61E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.61E-06 |
| 644 | 395770.7 | 3869426 | 1.60E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.60E-06 |
| 560 | 395770.7 | 3869076 | 1.59E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.59E-06 |

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| 921 | 396870.7 | 3870126 | 1.59E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.59E-06 |
| 911 | 396370.7 | 3870126 | 1.58E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.58E-06 |
| 866 | 396170.7 | 3870076 | 1.58E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.58E-06 |
| 822 | 396020.7 | 3870026 | 1.57E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.57E-06 |
| 656 | 395770.7 | 3869476 | 1.56E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.56E-06 |
| 668 | 395770.7 | 3869526 | 1.51E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.51E-06 |
| 958 | 396670.7 | 3870176 | 1.51E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.51E-06 |
| 959 | 396720.7 | 3870176 | 1.51E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.51E-06 |
| 910 | 396320.7 | 3870126 | 1.50E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-06 |
| 957 | 396620.7 | 3870176 | 1.50E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-06 |
| 801 | 397018.3 | 3869993 | 1.49E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-06 |
| 960 | 396770.7 | 3870176 | 1.49E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-06 |
| 548 | 395770.7 | 3869026 | 1.49E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-06 |
| 882 | 396970.7 | 3870076 | 1.48E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.48E-06 |
| 956 | 396570.7 | 3870176 | 1.48E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.48E-06 |
| 922 | 396920.7 | 3870126 | 1.47E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.47E-06 |
| 961 | 396820.7 | 3870176 | 1.45E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-06 |
| 955 | 396520.7 | 3870176 | 1.45E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-06 |
| 680 | 395770.7 | 3869576 | 1.44E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.44E-06 |
| 842 | 397020.7 | 3870026 | 1.43E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.43E-06 |
| 865 | 396120.7 | 3870076 | 1.42E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.42E-06 |
| 909 | 396270.7 | 3870126 | 1.41E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-06 |
| 525 | 395820.7 | 3868926 | 1.40E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.40E-06 |
| 954 | 396470.7 | 3870176 | 1.40E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.40E-06 |
| 962 | 396870.7 | 3870176 | 1.39E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-06 |
| 692 | 395770.7 | 3869626 | 1.36E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.36E-06 |
| 923 | 396970.7 | 3870126 | 1.35E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.35E-06 |
| 953 | 396420.7 | 3870176 | 1.34E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.34E-06 |
| 536 | 395770.7 | 3868976 | 1.34E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.34E-06 |
| 883 | 397020.7 | 3870076 | 1.33E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-06 |
| 802 | 397068.3 | 3869993 | 1.32E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.32E-06 |
| 753 | 395820.7 | 3869876 | 1.32E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.32E-06 |
| 963 | 396920.7 | 3870176 | 1.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-06 |
| 908 | 396220.7 | 3870126 | 1.31E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-06 |
| 1000 | 396720.7 | 3870226 | 1.29E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.29E-06 |
| 999 | 396670.7 | 3870226 | 1.28E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-06 |
| 1001 | 396770.7 | 3870226 | 1.28E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-06 |
| 952 | 396370.7 | 3870176 | 1.28E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-06 |
| 704 | 395770.7 | 3869676 | 1.28E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-06 |
| 821 | 395970.7 | 3870026 | 1.28E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-06 |
| 998 | 396620.7 | 3870226 | 1.27E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-06 |
| 843 | 397070.7 | 3870026 | 1.27E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-06 |
| 1002 | 396820.7 | 3870226 | 1.26E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-06 |
| 864 | 396070.7 | 3870076 | 1.25E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.25E-06 |
| 583 | 395720.7 | 3869176 | 1.25E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.25E-06 |
| 595 | 395720.7 | 3869226 | 1.25E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.25E-06 |
| 997 | 396570.7 | 3870226 | 1.25E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.25E-06 |
| 571 | 395720.7 | 3869126 | 1.24E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-06 |
| 607 | 395720.7 | 3869276 | 1.24E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-06 |

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| 924 | 397020.7 | 3870126 | 1.23E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.23E-06 |
| 619 | 395720.7 | 3869326 | 1.23E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.23E-06 |
| 964 | 396970.7 | 3870176 | 1.23E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.23E-06 |
| 1003 | 396870.7 | 3870226 | 1.22E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-06 |
| 559 | 395720.7 | 3869076 | 1.22E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-06 |
| 996 | 396520.7 | 3870226 | 1.21E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.21E-06 |
| 513 | 395820.7 | 3868876 | 1.21E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.21E-06 |
| 951 | 396320.7 | 3870176 | 1.21E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.21E-06 |
| 631 | 395720.7 | 3869376 | 1.20E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-06 |
| 884 | 397070.7 | 3870076 | 1.20E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-06 |
| 524 | 395770.7 | 3868926 | 1.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-06 |
| 907 | 396170.7 | 3870126 | 1.19E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-06 |
| 716 | 395770.7 | 3869726 | 1.18E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.18E-06 |
| 1004 | 396920.7 | 3870226 | 1.17E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-06 |
| 803 | 397118.3 | 3869993 | 1.17E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-06 |
| 547 | 395720.7 | 3869026 | 1.17E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-06 |
| 995 | 396470.7 | 3870226 | 1.17E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-06 |
| 643 | 395720.7 | 3869426 | 1.17E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-06 |
| 965 | 397020.7 | 3870176 | 1.14E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-06 |
| 844 | 397120.7 | 3870026 | 1.13E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.13E-06 |
| 655 | 395720.7 | 3869476 | 1.13E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.13E-06 |
| 925 | 397070.7 | 3870126 | 1.12E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-06 |
| 950 | 396270.7 | 3870176 | 1.12E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-06 |
| 994 | 396420.7 | 3870226 | 1.12E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-06 |
| 1042 | 396770.7 | 3870276 | 1.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-06 |
| 1041 | 396720.7 | 3870276 | 1.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-06 |
| 1005 | 396970.7 | 3870226 | 1.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-06 |
| 1040 | 396670.7 | 3870276 | 1.11E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-06 |
| 1043 | 396820.7 | 3870276 | 1.10E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-06 |
| 535 | 395720.7 | 3868976 | 1.10E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-06 |
| 1039 | 396620.7 | 3870276 | 1.09E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.09E-06 |
| 1044 | 396870.7 | 3870276 | 1.08E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-06 |
| 885 | 397120.7 | 3870076 | 1.08E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-06 |
| 667 | 395720.7 | 3869526 | 1.08E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-06 |
| 906 | 396120.7 | 3870126 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 501 | 395820.7 | 3868826 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 1038 | 396570.7 | 3870276 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 512 | 395770.7 | 3868876 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 863 | 396020.7 | 3870076 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 993 | 396370.7 | 3870226 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 728 | 395770.7 | 3869776 | 1.06E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-06 |
| 966 | 397070.7 | 3870176 | 1.05E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-06 |
| 804 | 397168.3 | 3869993 | 1.05E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-06 |
| 1045 | 396920.7 | 3870276 | 1.05E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-06 |
| 1006 | 397020.7 | 3870226 | 1.04E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-06 |
| 949 | 396220.7 | 3870176 | 1.03E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.03E-06 |
| 1037 | 396520.7 | 3870276 | 1.03E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.03E-06 |
| 679 | 395720.7 | 3869576 | 1.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-06 |
| 926 | 397120.7 | 3870126 | 1.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-06 |

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| 845 | 397170.7 | 3870026 | 1.02E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-06 |
| 523 | 395720.7 | 3868926 | 1.01E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-06 |
| 1046 | 396970.7 | 3870276 | 1.01E-06 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-06 |
| 778 | 395870.7 | 3869976 | 9.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.95E-07 |
| 582 | 395670.7 | 3869176 | 9.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.95E-07 |
| 570 | 395670.7 | 3869126 | 9.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.92E-07 |
| 992 | 396320.7 | 3870226 | 9.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.90E-07 |
| 594 | 395670.7 | 3869226 | 9.89E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.89E-07 |
| 1036 | 396470.7 | 3870276 | 9.89E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.89E-07 |
| 558 | 395670.7 | 3869076 | 9.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.80E-07 |
| 886 | 397170.7 | 3870076 | 9.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.79E-07 |
| 1083 | 396770.7 | 3870326 | 9.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.78E-07 |
| 1007 | 397070.7 | 3870226 | 9.76E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.76E-07 |
| 606 | 395670.7 | 3869276 | 9.76E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.76E-07 |
| 1084 | 396820.7 | 3870326 | 9.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.75E-07 |
| 1082 | 396720.7 | 3870326 | 9.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.72E-07 |
| 967 | 397120.7 | 3870176 | 9.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.66E-07 |
| 1085 | 396870.7 | 3870326 | 9.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.63E-07 |
| 691 | 395720.7 | 3869626 | 9.62E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.62E-07 |
| 1081 | 396670.7 | 3870326 | 9.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.60E-07 |
| 546 | 395670.7 | 3869026 | 9.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.59E-07 |
| 1047 | 397020.7 | 3870276 | 9.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.58E-07 |
| 618 | 395670.7 | 3869326 | 9.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.57E-07 |
| 500 | 395770.7 | 3868826 | 9.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.51E-07 |
| 489 | 395820.7 | 3868776 | 9.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.44E-07 |
| 1086 | 396920.7 | 3870326 | 9.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.42E-07 |
| 1035 | 396420.7 | 3870276 | 9.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.42E-07 |
| 805 | 397218.3 | 3869993 | 9.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.42E-07 |
| 1080 | 396620.7 | 3870326 | 9.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.42E-07 |
| 927 | 397170.7 | 3870126 | 9.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.35E-07 |
| 948 | 396170.7 | 3870176 | 9.34E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.34E-07 |
| 820 | 395920.7 | 3870026 | 9.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.33E-07 |
| 630 | 395670.7 | 3869376 | 9.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.32E-07 |
| 511 | 395720.7 | 3868876 | 9.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.30E-07 |
| 905 | 396070.7 | 3870126 | 9.26E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.26E-07 |
| 534 | 395670.7 | 3868976 | 9.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.22E-07 |
| 846 | 397220.7 | 3870026 | 9.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.19E-07 |
| 1079 | 396570.7 | 3870326 | 9.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.17E-07 |
| 991 | 396270.7 | 3870226 | 9.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.16E-07 |
| 1087 | 396970.7 | 3870326 | 9.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.14E-07 |
| 765 | 395820.7 | 3869926 | 9.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.08E-07 |
| 1008 | 397120.7 | 3870226 | 9.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.07E-07 |
| 740 | 395770.7 | 3869826 | 9.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.06E-07 |
| 1048 | 397070.7 | 3870276 | 9.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.05E-07 |
| 642 | 395670.7 | 3869426 | 9.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.02E-07 |
| 703 | 395720.7 | 3869676 | 8.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.91E-07 |
| 968 | 397170.7 | 3870176 | 8.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.90E-07 |
| 887 | 397220.7 | 3870076 | 8.88E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.88E-07 |
| 1034 | 396370.7 | 3870276 | 8.86E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.86E-07 |

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| 1078 | 396520.7 | 3870326 | 8.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.85E-07 |
| 1088 | 397020.7 | 3870326 | 8.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.79E-07 |
| 522 | 395670.7 | 3868926 | 8.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.73E-07 |
| 1125 | 396820.7 | 3870376 | 8.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.67E-07 |
| 654 | 395670.7 | 3869476 | 8.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.66E-07 |
| 1124 | 396770.7 | 3870376 | 8.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.65E-07 |
| 1126 | 396870.7 | 3870376 | 8.61E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.61E-07 |
| 488 | 395770.7 | 3868776 | 8.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.60E-07 |
| 1123 | 396720.7 | 3870376 | 8.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.56E-07 |
| 928 | 397220.7 | 3870126 | 8.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.55E-07 |
| 499 | 395720.7 | 3868826 | 8.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.52E-07 |
| 806 | 397268.3 | 3869993 | 8.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.50E-07 |
| 1049 | 397120.7 | 3870276 | 8.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.50E-07 |
| 1127 | 396920.7 | 3870376 | 8.47E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.47E-07 |
| 1077 | 396470.7 | 3870326 | 8.47E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.47E-07 |
| 862 | 395970.7 | 3870076 | 8.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.46E-07 |
| 477 | 395820.7 | 3868726 | 8.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.46E-07 |
| 1009 | 397170.7 | 3870226 | 8.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.42E-07 |
| 1122 | 396670.7 | 3870376 | 8.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.42E-07 |
| 1089 | 397070.7 | 3870326 | 8.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.38E-07 |
| 990 | 396220.7 | 3870226 | 8.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.38E-07 |
| 847 | 397270.7 | 3870026 | 8.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.32E-07 |
| 947 | 396120.7 | 3870176 | 8.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.30E-07 |
| 1128 | 396970.7 | 3870376 | 8.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.29E-07 |
| 1033 | 396320.7 | 3870276 | 8.26E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.26E-07 |
| 666 | 395670.7 | 3869526 | 8.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.25E-07 |
| 1121 | 396620.7 | 3870376 | 8.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.22E-07 |
| 569 | 395620.7 | 3869126 | 8.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.22E-07 |
| 969 | 397220.7 | 3870176 | 8.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.19E-07 |
| 581 | 395620.7 | 3869176 | 8.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.19E-07 |
| 557 | 395620.7 | 3869076 | 8.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.18E-07 |
| 510 | 395670.7 | 3868876 | 8.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.17E-07 |
| 593 | 395620.7 | 3869226 | 8.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.10E-07 |
| 715 | 395720.7 | 3869726 | 8.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.09E-07 |
| 888 | 397270.7 | 3870076 | 8.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.08E-07 |
| 545 | 395620.7 | 3869026 | 8.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.05E-07 |
| 1129 | 397020.7 | 3870376 | 8.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.05E-07 |
| 1076 | 396420.7 | 3870326 | 8.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.02E-07 |
| 1120 | 396570.7 | 3870376 | 7.98E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.98E-07 |
| 1050 | 397170.7 | 3870276 | 7.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.96E-07 |
| 605 | 395620.7 | 3869276 | 7.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.95E-07 |
| 1090 | 397120.7 | 3870326 | 7.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.94E-07 |
| 533 | 395620.7 | 3868976 | 7.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.84E-07 |
| 929 | 397270.7 | 3870126 | 7.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.82E-07 |
| 487 | 395720.7 | 3868776 | 7.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.82E-07 |
| 1010 | 397220.7 | 3870226 | 7.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.82E-07 |
| 476 | 395770.7 | 3868726 | 7.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.78E-07 |
| 904 | 396020.7 | 3870126 | 7.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.77E-07 |
| 678 | 395670.7 | 3869576 | 7.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.77E-07 |

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|---|---|---|---|---|---|
| 617 | 395620.7 | 3869326 | 7.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.75E-07 |
| 1166 | 396820.7 | 3870426 | 7.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.75E-07 |
| 1130 | 397070.7 | 3870376 | 7.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.75E-07 |
| 1167 | 396870.7 | 3870426 | 7.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.73E-07 |
| 1165 | 396770.7 | 3870426 | 7.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.70E-07 |
| 1119 | 396520.7 | 3870376 | 7.68E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.68E-07 |
| 1168 | 396920.7 | 3870426 | 7.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.66E-07 |
| 465 | 395820.7 | 3868676 | 7.64E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.64E-07 |
| 498 | 395670.7 | 3868826 | 7.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.63E-07 |
| 1032 | 396270.7 | 3870276 | 7.62E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.62E-07 |
| 1164 | 396720.7 | 3870426 | 7.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.59E-07 |
| 521 | 395620.7 | 3868926 | 7.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.59E-07 |
| 989 | 396170.7 | 3870226 | 7.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.55E-07 |
| 970 | 397270.7 | 3870176 | 7.54E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.54E-07 |
| 1169 | 396970.7 | 3870426 | 7.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.53E-07 |
| 1075 | 396370.7 | 3870326 | 7.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.52E-07 |
| 629 | 395620.7 | 3869376 | 7.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.51E-07 |
| 1091 | 397170.7 | 3870326 | 7.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.50E-07 |
| 1051 | 397220.7 | 3870276 | 7.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.44E-07 |
| 1163 | 396670.7 | 3870426 | 7.43E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.43E-07 |
| 1131 | 397120.7 | 3870376 | 7.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.41E-07 |
| 752 | 395770.7 | 3869876 | 7.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.38E-07 |
| 1170 | 397020.7 | 3870426 | 7.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.37E-07 |
| 1118 | 396470.7 | 3870376 | 7.31E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.31E-07 |
| 1011 | 397270.7 | 3870226 | 7.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.24E-07 |
| 1162 | 396620.7 | 3870426 | 7.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.24E-07 |
| 509 | 395620.7 | 3868876 | 7.23E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.23E-07 |
| 641 | 395620.7 | 3869426 | 7.23E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.23E-07 |
| 690 | 395670.7 | 3869626 | 7.23E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.23E-07 |
| 946 | 396070.7 | 3870176 | 7.21E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.21E-07 |
| 475 | 395720.7 | 3868726 | 7.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.18E-07 |
| 727 | 395720.7 | 3869776 | 7.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.16E-07 |
| 1171 | 397070.7 | 3870426 | 7.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.16E-07 |
| 486 | 395670.7 | 3868776 | 7.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.11E-07 |
| 464 | 395770.7 | 3868676 | 7.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.07E-07 |
| 1092 | 397220.7 | 3870326 | 7.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.05E-07 |
| 1132 | 397170.7 | 3870376 | 7.04E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.04E-07 |
| 1074 | 396320.7 | 3870326 | 7.00E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.00E-07 |
| 1161 | 396570.7 | 3870426 | 6.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.99E-07 |
| 1208 | 396870.7 | 3870476 | 6.98E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.98E-07 |
| 1207 | 396820.7 | 3870476 | 6.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.96E-07 |
| 453 | 395820.7 | 3868626 | 6.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.95E-07 |
| 556 | 395570.7 | 3869076 | 6.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.95E-07 |
| 1031 | 396220.7 | 3870276 | 6.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.95E-07 |
| 1209 | 396920.7 | 3870476 | 6.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.94E-07 |
| 568 | 395570.7 | 3869126 | 6.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.94E-07 |
| 1052 | 397270.7 | 3870276 | 6.93E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.93E-07 |
| 544 | 395570.7 | 3869026 | 6.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.90E-07 |
| 653 | 395620.7 | 3869476 | 6.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.90E-07 |

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|---|---|---|---|---|---|
| 1117 | 396420.7 | 3870376 | 6.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.90E-07 |
| 1172 | 397120.7 | 3870426 | 6.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.90E-07 |
| 1206 | 396770.7 | 3870476 | 6.89E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.89E-07 |
| 580 | 395570.7 | 3869176 | 6.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.87E-07 |
| 1210 | 396970.7 | 3870476 | 6.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.87E-07 |
| 497 | 395620.7 | 3868826 | 6.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.84E-07 |
| 532 | 395570.7 | 3868976 | 6.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.79E-07 |
| 1205 | 396720.7 | 3870476 | 6.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.77E-07 |
| 592 | 395570.7 | 3869226 | 6.76E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.76E-07 |
| 1211 | 397020.7 | 3870476 | 6.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.75E-07 |
| 1160 | 396520.7 | 3870426 | 6.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.70E-07 |
| 988 | 396120.7 | 3870226 | 6.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.69E-07 |
| 1133 | 397220.7 | 3870376 | 6.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.67E-07 |
| 520 | 395570.7 | 3868926 | 6.62E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.62E-07 |
| 702 | 395670.7 | 3869676 | 6.62E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.62E-07 |
| 474 | 395670.7 | 3868726 | 6.62E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.62E-07 |
| 1093 | 397270.7 | 3870326 | 6.62E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.62E-07 |
| 604 | 395570.7 | 3869276 | 6.61E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.61E-07 |
| 1173 | 397170.7 | 3870426 | 6.61E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.61E-07 |
| 1204 | 396670.7 | 3870476 | 6.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.60E-07 |
| 1212 | 397070.7 | 3870476 | 6.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.60E-07 |
| 463 | 395720.7 | 3868676 | 6.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.60E-07 |
| 861 | 395920.7 | 3870076 | 6.54E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.54E-07 |
| 665 | 395620.7 | 3869526 | 6.54E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.54E-07 |
| 819 | 395870.7 | 3870026 | 6.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.53E-07 |
| 452 | 395770.7 | 3868626 | 6.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.50E-07 |
| 1116 | 396370.7 | 3870376 | 6.47E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.47E-07 |
| 1073 | 396270.7 | 3870326 | 6.45E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.45E-07 |
| 485 | 395620.7 | 3868776 | 6.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.44E-07 |
| 616 | 395570.7 | 3869326 | 6.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.42E-07 |
| 1213 | 397120.7 | 3870476 | 6.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.42E-07 |
| 508 | 395570.7 | 3868876 | 6.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.41E-07 |
| 1203 | 396620.7 | 3870476 | 6.40E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.40E-07 |
| 1159 | 396470.7 | 3870426 | 6.36E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.36E-07 |
| 903 | 395970.7 | 3870126 | 6.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.35E-07 |
| 1249 | 396870.7 | 3870526 | 6.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.32E-07 |
| 1250 | 396920.7 | 3870526 | 6.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.32E-07 |
| 1134 | 397270.7 | 3870376 | 6.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.30E-07 |
| 1174 | 397220.7 | 3870426 | 6.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.30E-07 |
| 1248 | 396820.7 | 3870526 | 6.28E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.28E-07 |
| 1251 | 396970.7 | 3870526 | 6.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.27E-07 |
| 1030 | 396170.7 | 3870276 | 6.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.25E-07 |
| 1252 | 397020.7 | 3870526 | 6.20E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.20E-07 |
| 1247 | 396770.7 | 3870526 | 6.20E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.20E-07 |
| 1214 | 397170.7 | 3870476 | 6.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.19E-07 |
| 628 | 395570.7 | 3869376 | 6.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.17E-07 |
| 777 | 395820.7 | 3869976 | 6.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.16E-07 |
| 496 | 395570.7 | 3868826 | 6.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.15E-07 |
| 1202 | 396570.7 | 3870476 | 6.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.15E-07 |

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|---|---|---|---|---|---|
| 739 | 395720.7 | 3869826 | 6.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.15E-07 |
| 462 | 395670.7 | 3868676 | 6.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.15E-07 |
| 451 | 395720.7 | 3868626 | 6.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.11E-07 |
| 1253 | 397070.7 | 3870526 | 6.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.10E-07 |
| 677 | 395620.7 | 3869576 | 6.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.09E-07 |
| 473 | 395620.7 | 3868726 | 6.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.08E-07 |
| 945 | 396020.7 | 3870176 | 6.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.07E-07 |
| 1246 | 396720.7 | 3870526 | 6.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.06E-07 |
| 1115 | 396320.7 | 3870376 | 6.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.01E-07 |
| 1158 | 396420.7 | 3870426 | 6.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.01E-07 |
| 555 | 395520.7 | 3869076 | 5.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.99E-07 |
| 1175 | 397270.7 | 3870426 | 5.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.99E-07 |
| 543 | 395520.7 | 3869026 | 5.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.99E-07 |
| 714 | 395670.7 | 3869726 | 5.98E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.98E-07 |
| 1254 | 397120.7 | 3870526 | 5.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.96E-07 |
| 567 | 395520.7 | 3869126 | 5.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.94E-07 |
| 1215 | 397220.7 | 3870476 | 5.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.94E-07 |
| 531 | 395520.7 | 3868976 | 5.93E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.93E-07 |
| 640 | 395570.7 | 3869426 | 5.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.91E-07 |
| 1245 | 396670.7 | 3870526 | 5.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.90E-07 |
| 1201 | 396520.7 | 3870476 | 5.89E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.89E-07 |
| 1072 | 396220.7 | 3870326 | 5.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.87E-07 |
| 484 | 395570.7 | 3868776 | 5.86E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.86E-07 |
| 579 | 395520.7 | 3869176 | 5.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.85E-07 |
| 519 | 395520.7 | 3868926 | 5.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.84E-07 |
| 1255 | 397170.7 | 3870526 | 5.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.79E-07 |
| 987 | 396070.7 | 3870226 | 5.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.79E-07 |
| 1291 | 396920.7 | 3870576 | 5.76E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.76E-07 |
| 1290 | 396870.7 | 3870576 | 5.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.75E-07 |
| 1292 | 396970.7 | 3870576 | 5.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.74E-07 |
| 591 | 395520.7 | 3869226 | 5.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.73E-07 |
| 764 | 395770.7 | 3869926 | 5.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.73E-07 |
| 450 | 395670.7 | 3868626 | 5.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.72E-07 |
| 461 | 395620.7 | 3868676 | 5.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.71E-07 |
| 507 | 395520.7 | 3868876 | 5.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.70E-07 |
| 1293 | 397020.7 | 3870576 | 5.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.70E-07 |
| 1289 | 396820.7 | 3870576 | 5.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.69E-07 |
| 1244 | 396620.7 | 3870526 | 5.68E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.68E-07 |
| 1216 | 397270.7 | 3870476 | 5.68E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.68E-07 |
| 689 | 395620.7 | 3869626 | 5.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.65E-07 |
| 1294 | 397070.7 | 3870576 | 5.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.63E-07 |
| 1157 | 396370.7 | 3870426 | 5.62E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.62E-07 |
| 652 | 395570.7 | 3869476 | 5.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.60E-07 |
| 1256 | 397220.7 | 3870526 | 5.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.60E-07 |
| 1200 | 396470.7 | 3870476 | 5.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.59E-07 |
| 1288 | 396770.7 | 3870576 | 5.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.58E-07 |
| 472 | 395570.7 | 3868726 | 5.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.56E-07 |
| 603 | 395520.7 | 3869276 | 5.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.55E-07 |
| 1029 | 396120.7 | 3870276 | 5.54E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.54E-07 |

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|---|---|---|---|---|---|
| 1295 | 397120.7 | 3870576 | 5.54E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.54E-07 |
| 1114 | 396270.7 | 3870376 | 5.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.53E-07 |
| 495 | 395520.7 | 3868826 | 5.53E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.53E-07 |
| 1243 | 396570.7 | 3870526 | 5.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.46E-07 |
| 1287 | 396720.7 | 3870576 | 5.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.44E-07 |
| 1296 | 397170.7 | 3870576 | 5.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.41E-07 |
| 1257 | 397270.7 | 3870526 | 5.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.38E-07 |
| 449 | 395620.7 | 3868626 | 5.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.37E-07 |
| 615 | 395520.7 | 3869326 | 5.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.37E-07 |
| 483 | 395520.7 | 3868776 | 5.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.32E-07 |
| 726 | 395670.7 | 3869776 | 5.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.30E-07 |
| 664 | 395570.7 | 3869526 | 5.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.29E-07 |
| 460 | 395570.7 | 3868676 | 5.28E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.28E-07 |
| 1071 | 396170.7 | 3870326 | 5.28E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.28E-07 |
| 1333 | 396970.7 | 3870626 | 5.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.27E-07 |
| 1332 | 396920.7 | 3870626 | 5.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.27E-07 |
| 1286 | 396670.7 | 3870576 | 5.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.27E-07 |
| 1199 | 396420.7 | 3870476 | 5.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.27E-07 |
| 1297 | 397220.7 | 3870576 | 5.26E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.26E-07 |
| 1334 | 397020.7 | 3870626 | 5.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.25E-07 |
| 542 | 395470.7 | 3869026 | 5.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.24E-07 |
| 1331 | 396870.7 | 3870626 | 5.23E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.23E-07 |
| 530 | 395470.7 | 3868976 | 5.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.22E-07 |
| 1242 | 396520.7 | 3870526 | 5.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.22E-07 |
| 1335 | 397070.7 | 3870626 | 5.21E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.21E-07 |
| 1156 | 396320.7 | 3870426 | 5.21E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.21E-07 |
| 554 | 395470.7 | 3869076 | 5.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.19E-07 |
| 518 | 395470.7 | 3868926 | 5.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.18E-07 |
| 701 | 395620.7 | 3869676 | 5.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.17E-07 |
| 627 | 395520.7 | 3869376 | 5.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.16E-07 |
| 1330 | 396820.7 | 3870626 | 5.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.16E-07 |
| 1336 | 397120.7 | 3870626 | 5.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.15E-07 |
| 751 | 395720.7 | 3869876 | 5.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.15E-07 |
| 566 | 395470.7 | 3869126 | 5.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.12E-07 |
| 902 | 395920.7 | 3870126 | 5.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.12E-07 |
| 471 | 395520.7 | 3868726 | 5.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.10E-07 |
| 506 | 395470.7 | 3868876 | 5.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.10E-07 |
| 1298 | 397270.7 | 3870576 | 5.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.09E-07 |
| 1285 | 396620.7 | 3870576 | 5.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.08E-07 |
| 944 | 395970.7 | 3870176 | 5.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.08E-07 |
| 1337 | 397170.7 | 3870626 | 5.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.06E-07 |
| 1329 | 396770.7 | 3870626 | 5.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.05E-07 |
| 860 | 395870.7 | 3870076 | 5.04E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.04E-07 |
| 1113 | 396220.7 | 3870376 | 5.03E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.03E-07 |
| 578 | 395470.7 | 3869176 | 5.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.02E-07 |
| 448 | 395570.7 | 3868626 | 5.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.01E-07 |
| 494 | 395470.7 | 3868826 | 4.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.99E-07 |
| 986 | 396020.7 | 3870226 | 4.97E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.97E-07 |
| 1241 | 396470.7 | 3870526 | 4.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.95E-07 |

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|---|---|---|---|---|---|
| 676 | 395570.7 | 3869576 | 4.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.94E-07 |
| 1338 | 397220.7 | 3870626 | 4.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.94E-07 |
| 639 | 395520.7 | 3869426 | 4.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.92E-07 |
| 1198 | 396370.7 | 3870476 | 4.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.92E-07 |
| 1328 | 396720.7 | 3870626 | 4.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.91E-07 |
| 590 | 395470.7 | 3869226 | 4.90E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.90E-07 |
| 459 | 395520.7 | 3868676 | 4.88E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.88E-07 |
| 1284 | 396570.7 | 3870576 | 4.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.87E-07 |
| 482 | 395470.7 | 3868776 | 4.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.85E-07 |
| 1028 | 396070.7 | 3870276 | 4.83E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.83E-07 |
| 818 | 395820.7 | 3870026 | 4.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.82E-07 |
| 1339 | 397270.7 | 3870626 | 4.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.80E-07 |
| 1155 | 396270.7 | 3870426 | 4.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.79E-07 |
| 602 | 395470.7 | 3869276 | 4.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.75E-07 |
| 1327 | 396670.7 | 3870626 | 4.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.74E-07 |
| 470 | 395470.7 | 3868726 | 4.68E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.68E-07 |
| 1070 | 396120.7 | 3870326 | 4.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.67E-07 |
| 651 | 395520.7 | 3869476 | 4.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.67E-07 |
| 713 | 395620.7 | 3869726 | 4.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.67E-07 |
| 447 | 395520.7 | 3868626 | 4.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.66E-07 |
| 1240 | 396420.7 | 3870526 | 4.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.65E-07 |
| 1283 | 396520.7 | 3870576 | 4.64E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.64E-07 |
| 529 | 395420.7 | 3868976 | 4.61E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.61E-07 |
| 738 | 395670.7 | 3869826 | 4.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.60E-07 |
| 517 | 395420.7 | 3868926 | 4.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.60E-07 |
| 541 | 395420.7 | 3869026 | 4.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.60E-07 |
| 614 | 395470.7 | 3869326 | 4.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.58E-07 |
| 688 | 395570.7 | 3869626 | 4.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.57E-07 |
| 505 | 395420.7 | 3868876 | 4.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-07 |
| 1326 | 396620.7 | 3870626 | 4.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-07 |
| 1197 | 396320.7 | 3870476 | 4.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.55E-07 |
| 553 | 395420.7 | 3869076 | 4.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.55E-07 |
| 1112 | 396170.7 | 3870376 | 4.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.52E-07 |
| 776 | 395770.7 | 3869976 | 4.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.52E-07 |
| 493 | 395420.7 | 3868826 | 4.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.50E-07 |
| 458 | 395470.7 | 3868676 | 4.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.50E-07 |
| 565 | 395420.7 | 3869126 | 4.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.48E-07 |
| 481 | 395420.7 | 3868776 | 4.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.41E-07 |
| 663 | 395520.7 | 3869526 | 4.39E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.39E-07 |
| 626 | 395470.7 | 3869376 | 4.39E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.39E-07 |
| 1282 | 396470.7 | 3870576 | 4.39E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.39E-07 |
| 577 | 395420.7 | 3869176 | 4.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.37E-07 |
| 1154 | 396220.7 | 3870426 | 4.36E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.36E-07 |
| 1325 | 396570.7 | 3870626 | 4.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.35E-07 |
| 446 | 395470.7 | 3868626 | 4.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.33E-07 |
| 1239 | 396370.7 | 3870526 | 4.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.33E-07 |
| 469 | 395420.7 | 3868726 | 4.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.30E-07 |
| 763 | 395720.7 | 3869926 | 4.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.25E-07 |
| 589 | 395420.7 | 3869226 | 4.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.25E-07 |

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|---|---|---|---|---|---|
| 985 | 395970.7 | 3870226 | 4.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.24E-07 |
| 943 | 395920.7 | 3870176 | 4.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.22E-07 |
| 1027 | 396020.7 | 3870276 | 4.20E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.20E-07 |
| 700 | 395570.7 | 3869676 | 4.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.18E-07 |
| 1196 | 396270.7 | 3870476 | 4.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.18E-07 |
| 638 | 395470.7 | 3869426 | 4.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.18E-07 |
| 457 | 395420.7 | 3868676 | 4.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.16E-07 |
| 725 | 395620.7 | 3869776 | 4.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.15E-07 |
| 1324 | 396520.7 | 3870626 | 4.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.14E-07 |
| 901 | 395870.7 | 3870126 | 4.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.14E-07 |
| 1069 | 396070.7 | 3870326 | 4.13E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.13E-07 |
| 1281 | 396420.7 | 3870576 | 4.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.12E-07 |
| 516 | 395370.7 | 3868926 | 4.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.12E-07 |
| 528 | 395370.7 | 3868976 | 4.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.11E-07 |
| 504 | 395370.7 | 3868876 | 4.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.11E-07 |
| 601 | 395420.7 | 3869276 | 4.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.10E-07 |
| 675 | 395520.7 | 3869576 | 4.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.10E-07 |
| 540 | 395370.7 | 3869026 | 4.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-07 |
| 492 | 395370.7 | 3868826 | 4.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-07 |
| 1111 | 396120.7 | 3870376 | 4.04E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.04E-07 |
| 552 | 395370.7 | 3869076 | 4.03E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.03E-07 |
| 480 | 395370.7 | 3868776 | 4.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.02E-07 |
| 445 | 395420.7 | 3868626 | 4.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.02E-07 |
| 1238 | 396320.7 | 3870526 | 4.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.01E-07 |
| 859 | 395820.7 | 3870076 | 3.99E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.99E-07 |
| 650 | 395470.7 | 3869476 | 3.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.95E-07 |
| 750 | 395670.7 | 3869876 | 3.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.95E-07 |
| 613 | 395420.7 | 3869326 | 3.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.95E-07 |
| 564 | 395370.7 | 3869126 | 3.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.94E-07 |
| 468 | 395370.7 | 3868726 | 3.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.94E-07 |
| 1153 | 396170.7 | 3870426 | 3.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.94E-07 |
| 1323 | 396470.7 | 3870626 | 3.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.92E-07 |
| 1280 | 396370.7 | 3870576 | 3.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.85E-07 |
| 456 | 395370.7 | 3868676 | 3.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.85E-07 |
| 576 | 395370.7 | 3869176 | 3.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.84E-07 |
| 1195 | 396220.7 | 3870476 | 3.83E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.83E-07 |
| 687 | 395520.7 | 3869626 | 3.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.79E-07 |
| 712 | 395570.7 | 3869726 | 3.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.78E-07 |
| 625 | 395420.7 | 3869376 | 3.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.77E-07 |
| 817 | 395770.7 | 3870026 | 3.76E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.76E-07 |
| 444 | 395370.7 | 3868626 | 3.74E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.74E-07 |
| 503 | 395320.7 | 3868876 | 3.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.72E-07 |
| 588 | 395370.7 | 3869226 | 3.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.72E-07 |
| 662 | 395470.7 | 3869526 | 3.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.71E-07 |
| 515 | 395320.7 | 3868926 | 3.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.71E-07 |
| 491 | 395320.7 | 3868826 | 3.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.71E-07 |
| 1237 | 396270.7 | 3870526 | 3.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.70E-07 |
| 1322 | 396420.7 | 3870626 | 3.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-07 |
| 527 | 395320.7 | 3868976 | 3.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-07 |

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|---|---|---|---|---|---|
| 479 | 395320.7 | 3868776 | 3.68E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.68E-07 |
| 737 | 395620.7 | 3869826 | 3.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.65E-07 |
| 539 | 395320.7 | 3869026 | 3.64E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.64E-07 |
| 1026 | 395970.7 | 3870276 | 3.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.63E-07 |
| 467 | 395320.7 | 3868726 | 3.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.63E-07 |
| 1068 | 396020.7 | 3870326 | 3.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.63E-07 |
| 1110 | 396070.7 | 3870376 | 3.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.60E-07 |
| 984 | 395920.7 | 3870226 | 3.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.60E-07 |
| 551 | 395320.7 | 3869076 | 3.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.58E-07 |
| 637 | 395420.7 | 3869426 | 3.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.58E-07 |
| 1279 | 396320.7 | 3870576 | 3.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.58E-07 |
| 600 | 395370.7 | 3869276 | 3.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.58E-07 |
| 775 | 395720.7 | 3869976 | 3.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.56E-07 |
| 455 | 395320.7 | 3868676 | 3.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.56E-07 |
| 1152 | 396120.7 | 3870426 | 3.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.55E-07 |
| 942 | 395870.7 | 3870176 | 3.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.52E-07 |
| 563 | 395320.7 | 3869126 | 3.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.50E-07 |
| 1194 | 396170.7 | 3870476 | 3.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.48E-07 |
| 443 | 395320.7 | 3868626 | 3.47E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.47E-07 |
| 699 | 395520.7 | 3869676 | 3.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.46E-07 |
| 674 | 395470.7 | 3869576 | 3.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.46E-07 |
| 1321 | 396370.7 | 3870626 | 3.45E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.45E-07 |
| 612 | 395370.7 | 3869326 | 3.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.42E-07 |
| 575 | 395320.7 | 3869176 | 3.40E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.40E-07 |
| 900 | 395820.7 | 3870126 | 3.40E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.40E-07 |
| 1236 | 396220.7 | 3870526 | 3.40E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.40E-07 |
| 724 | 395570.7 | 3869776 | 3.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.38E-07 |
| 762 | 395670.7 | 3869926 | 3.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.38E-07 |
| 649 | 395420.7 | 3869476 | 3.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.37E-07 |
| 490 | 395270.7 | 3868826 | 3.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.37E-07 |
| 502 | 395270.7 | 3868876 | 3.36E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.36E-07 |
| 478 | 395270.7 | 3868776 | 3.36E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.36E-07 |
| 514 | 395270.7 | 3868926 | 3.34E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.34E-07 |
| 466 | 395270.7 | 3868726 | 3.34E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.34E-07 |
| 1278 | 396270.7 | 3870576 | 3.31E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.31E-07 |
| 526 | 395270.7 | 3868976 | 3.31E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.31E-07 |
| 454 | 395270.7 | 3868676 | 3.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.29E-07 |
| 587 | 395320.7 | 3869226 | 3.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.27E-07 |
| 624 | 395370.7 | 3869376 | 3.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.27E-07 |
| 538 | 395270.7 | 3869026 | 3.26E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.26E-07 |
| 442 | 395270.7 | 3868626 | 3.23E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.23E-07 |
| 858 | 395770.7 | 3870076 | 3.23E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.23E-07 |
| 1320 | 396320.7 | 3870626 | 3.20E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.20E-07 |
| 550 | 395270.7 | 3869076 | 3.20E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.20E-07 |
| 749 | 395620.7 | 3869876 | 3.20E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.20E-07 |
| 1109 | 396020.7 | 3870376 | 3.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.19E-07 |
| 1151 | 396070.7 | 3870426 | 3.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.19E-07 |
| 686 | 395470.7 | 3869626 | 3.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.17E-07 |
| 1067 | 395970.7 | 3870326 | 3.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.16E-07 |

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|---|---|---|---|---|---|
| 1193 | 396120.7 | 3870476 | 3.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.16E-07 |
| 661 | 395420.7 | 3869526 | 3.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.16E-07 |
| 599 | 395320.7 | 3869276 | 3.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.14E-07 |
| 711 | 395520.7 | 3869726 | 3.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.14E-07 |
| 562 | 395270.7 | 3869126 | 3.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.12E-07 |
| 1025 | 395920.7 | 3870276 | 3.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.12E-07 |
| 1235 | 396170.7 | 3870526 | 3.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.12E-07 |
| 636 | 395370.7 | 3869426 | 3.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.10E-07 |
| 983 | 395870.7 | 3870226 | 3.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.06E-07 |
| 816 | 395720.7 | 3870026 | 3.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.06E-07 |
| 1277 | 396220.7 | 3870576 | 3.04E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.04E-07 |
| 574 | 395270.7 | 3869176 | 3.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.02E-07 |
| 736 | 395570.7 | 3869826 | 3.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-07 |
| 611 | 395320.7 | 3869326 | 3.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-07 |
| 941 | 395820.7 | 3870176 | 2.98E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.98E-07 |
| 1319 | 396270.7 | 3870626 | 2.97E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.97E-07 |
| 673 | 395420.7 | 3869576 | 2.94E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.94E-07 |
| 648 | 395370.7 | 3869476 | 2.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.92E-07 |
| 774 | 395670.7 | 3869976 | 2.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.92E-07 |
| 586 | 395270.7 | 3869226 | 2.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.91E-07 |
| 698 | 395470.7 | 3869676 | 2.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.91E-07 |
| 623 | 395320.7 | 3869376 | 2.86E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.86E-07 |
| 1192 | 396070.7 | 3870476 | 2.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.85E-07 |
| 899 | 395770.7 | 3870126 | 2.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.85E-07 |
| 1150 | 396020.7 | 3870426 | 2.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.84E-07 |
| 1234 | 396120.7 | 3870526 | 2.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.84E-07 |
| 723 | 395520.7 | 3869776 | 2.82E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.82E-07 |
| 1108 | 395970.7 | 3870376 | 2.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.80E-07 |
| 1276 | 396170.7 | 3870576 | 2.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.80E-07 |
| 761 | 395620.7 | 3869926 | 2.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.79E-07 |
| 598 | 395270.7 | 3869276 | 2.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.79E-07 |
| 1066 | 395920.7 | 3870326 | 2.76E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.76E-07 |
| 1318 | 396220.7 | 3870626 | 2.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.75E-07 |
| 660 | 395370.7 | 3869526 | 2.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.73E-07 |
| 685 | 395420.7 | 3869626 | 2.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.72E-07 |
| 1024 | 395870.7 | 3870276 | 2.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.71E-07 |
| 635 | 395320.7 | 3869426 | 2.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.71E-07 |
| 857 | 395720.7 | 3870076 | 2.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.70E-07 |
| 748 | 395570.7 | 3869876 | 2.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.67E-07 |
| 610 | 395270.7 | 3869326 | 2.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.66E-07 |
| 710 | 395470.7 | 3869726 | 2.66E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.66E-07 |
| 982 | 395820.7 | 3870226 | 2.65E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.65E-07 |
| 815 | 395670.7 | 3870026 | 2.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.58E-07 |
| 1233 | 396070.7 | 3870526 | 2.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.57E-07 |
| 1275 | 396120.7 | 3870576 | 2.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.57E-07 |
| 1191 | 396020.7 | 3870476 | 2.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.56E-07 |
| 647 | 395320.7 | 3869476 | 2.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.55E-07 |
| 735 | 395520.7 | 3869826 | 2.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.55E-07 |
| 1317 | 396170.7 | 3870626 | 2.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.55E-07 |

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| 940 | 395770.7 | 3870176 | 2.54E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.54E-07 |
| 672 | 395370.7 | 3869576 | 2.54E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.54E-07 |
| 622 | 395270.7 | 3869376 | 2.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.52E-07 |
| 1149 | 395970.7 | 3870426 | 2.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.52E-07 |
| 697 | 395420.7 | 3869676 | 2.50E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.50E-07 |
| 1107 | 395920.7 | 3870376 | 2.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-07 |
| 773 | 395620.7 | 3869976 | 2.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-07 |
| 1065 | 395870.7 | 3870326 | 2.43E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.43E-07 |
| 898 | 395720.7 | 3870126 | 2.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.42E-07 |
| 722 | 395470.7 | 3869776 | 2.42E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.42E-07 |
| 659 | 395320.7 | 3869526 | 2.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.38E-07 |
| 760 | 395570.7 | 3869926 | 2.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.38E-07 |
| 634 | 395270.7 | 3869426 | 2.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.38E-07 |
| 1023 | 395820.7 | 3870276 | 2.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.38E-07 |
| 684 | 395370.7 | 3869626 | 2.36E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.36E-07 |
| 1316 | 396120.7 | 3870626 | 2.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.35E-07 |
| 1274 | 396070.7 | 3870576 | 2.34E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.34E-07 |
| 1232 | 396020.7 | 3870526 | 2.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.33E-07 |
| 856 | 395670.7 | 3870076 | 2.31E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.31E-07 |
| 709 | 395420.7 | 3869726 | 2.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.30E-07 |
| 981 | 395770.7 | 3870226 | 2.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.30E-07 |
| 747 | 395520.7 | 3869876 | 2.30E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.30E-07 |
| 1190 | 395970.7 | 3870476 | 2.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.29E-07 |
| 1148 | 395920.7 | 3870426 | 2.25E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.25E-07 |
| 646 | 395270.7 | 3869476 | 2.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.24E-07 |
| 671 | 395320.7 | 3869576 | 2.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.22E-07 |
| 814 | 395620.7 | 3870026 | 2.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.22E-07 |
| 734 | 395470.7 | 3869826 | 2.21E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.21E-07 |
| 1106 | 395870.7 | 3870376 | 2.20E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.20E-07 |
| 939 | 395720.7 | 3870176 | 2.19E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.19E-07 |
| 696 | 395370.7 | 3869676 | 2.18E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.18E-07 |
| 1064 | 395820.7 | 3870326 | 2.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.16E-07 |
| 1315 | 396070.7 | 3870626 | 2.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.15E-07 |
| 772 | 395570.7 | 3869976 | 2.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.14E-07 |
| 1273 | 396020.7 | 3870576 | 2.13E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.13E-07 |
| 721 | 395420.7 | 3869776 | 2.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.12E-07 |
| 658 | 395270.7 | 3869526 | 2.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.10E-07 |
| 1231 | 395970.7 | 3870526 | 2.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.10E-07 |
| 1022 | 395770.7 | 3870276 | 2.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.09E-07 |
| 897 | 395670.7 | 3870126 | 2.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.09E-07 |
| 759 | 395520.7 | 3869926 | 2.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.08E-07 |
| 683 | 395320.7 | 3869626 | 2.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.07E-07 |
| 1189 | 395920.7 | 3870476 | 2.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.05E-07 |
| 708 | 395370.7 | 3869726 | 2.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.02E-07 |
| 855 | 395620.7 | 3870076 | 2.02E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.02E-07 |
| 746 | 395470.7 | 3869876 | 2.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.01E-07 |
| 1147 | 395870.7 | 3870426 | 2.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.01E-07 |
| 980 | 395720.7 | 3870226 | 2.00E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.00E-07 |
| 1105 | 395820.7 | 3870376 | 1.97E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.97E-07 |

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|---|---|---|---|---|---|
| 1314 | 396020.7 | 3870626 | 1.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.96E-07 |
| 670 | 395270.7 | 3869576 | 1.96E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.96E-07 |
| 813 | 395570.7 | 3870026 | 1.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.95E-07 |
| 733 | 395420.7 | 3869826 | 1.95E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.95E-07 |
| 1272 | 395970.7 | 3870576 | 1.93E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.93E-07 |
| 695 | 395320.7 | 3869676 | 1.93E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.93E-07 |
| 1063 | 395770.7 | 3870326 | 1.92E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.92E-07 |
| 938 | 395670.7 | 3870176 | 1.91E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.91E-07 |
| 1230 | 395920.7 | 3870526 | 1.89E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.89E-07 |
| 771 | 395520.7 | 3869976 | 1.89E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.89E-07 |
| 720 | 395370.7 | 3869776 | 1.87E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.87E-07 |
| 1188 | 395870.7 | 3870476 | 1.85E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.85E-07 |
| 758 | 395470.7 | 3869926 | 1.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.84E-07 |
| 1021 | 395720.7 | 3870276 | 1.84E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.84E-07 |
| 896 | 395620.7 | 3870126 | 1.83E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.83E-07 |
| 682 | 395270.7 | 3869626 | 1.83E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.83E-07 |
| 1146 | 395820.7 | 3870426 | 1.81E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.81E-07 |
| 707 | 395320.7 | 3869726 | 1.80E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.80E-07 |
| 1313 | 395970.7 | 3870626 | 1.79E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.79E-07 |
| 745 | 395420.7 | 3869876 | 1.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.78E-07 |
| 854 | 395570.7 | 3870076 | 1.78E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.78E-07 |
| 1104 | 395770.7 | 3870376 | 1.77E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.77E-07 |
| 979 | 395670.7 | 3870226 | 1.76E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.76E-07 |
| 1271 | 395920.7 | 3870576 | 1.75E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.75E-07 |
| 732 | 395370.7 | 3869826 | 1.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.73E-07 |
| 812 | 395520.7 | 3870026 | 1.73E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.73E-07 |
| 694 | 395270.7 | 3869676 | 1.72E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.72E-07 |
| 1229 | 395870.7 | 3870526 | 1.71E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.71E-07 |
| 1062 | 395720.7 | 3870326 | 1.70E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.70E-07 |
| 937 | 395620.7 | 3870176 | 1.69E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.69E-07 |
| 770 | 395470.7 | 3869976 | 1.68E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.68E-07 |
| 1187 | 395820.7 | 3870476 | 1.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.67E-07 |
| 719 | 395320.7 | 3869776 | 1.67E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.67E-07 |
| 757 | 395420.7 | 3869926 | 1.64E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.64E-07 |
| 895 | 395570.7 | 3870126 | 1.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-07 |
| 1145 | 395770.7 | 3870426 | 1.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-07 |
| 1020 | 395670.7 | 3870276 | 1.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-07 |
| 1312 | 395920.7 | 3870626 | 1.63E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-07 |
| 706 | 395270.7 | 3869726 | 1.61E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.61E-07 |
| 744 | 395370.7 | 3869876 | 1.60E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.60E-07 |
| 1270 | 395870.7 | 3870576 | 1.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.59E-07 |
| 853 | 395520.7 | 3870076 | 1.59E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.59E-07 |
| 1103 | 395720.7 | 3870376 | 1.58E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.58E-07 |
| 978 | 395620.7 | 3870226 | 1.57E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.57E-07 |
| 1228 | 395820.7 | 3870526 | 1.56E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.56E-07 |
| 731 | 395320.7 | 3869826 | 1.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.55E-07 |
| 811 | 395470.7 | 3870026 | 1.55E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.55E-07 |
| 1186 | 395770.7 | 3870476 | 1.52E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.52E-07 |
| 1061 | 395670.7 | 3870326 | 1.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.51E-07 |

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|---|---|---|---|---|---|
| 936 | 395570.7 | 3870176 | 1.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.51E-07 |
| 718 | 395270.7 | 3869776 | 1.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.51E-07 |
| 769 | 395420.7 | 3869976 | 1.51E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.51E-07 |
| 1311 | 395870.7 | 3870626 | 1.49E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-07 |
| 756 | 395370.7 | 3869926 | 1.48E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.48E-07 |
| 894 | 395520.7 | 3870126 | 1.47E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.47E-07 |
| 1144 | 395720.7 | 3870426 | 1.47E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.47E-07 |
| 1269 | 395820.7 | 3870576 | 1.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-07 |
| 1019 | 395620.7 | 3870276 | 1.46E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-07 |
| 743 | 395320.7 | 3869876 | 1.45E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-07 |
| 852 | 395470.7 | 3870076 | 1.44E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.44E-07 |
| 1227 | 395770.7 | 3870526 | 1.43E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.43E-07 |
| 730 | 395270.7 | 3869826 | 1.41E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-07 |
| 810 | 395420.7 | 3870026 | 1.40E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.40E-07 |
| 1102 | 395670.7 | 3870376 | 1.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.38E-07 |
| 977 | 395570.7 | 3870226 | 1.38E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.38E-07 |
| 768 | 395370.7 | 3869976 | 1.37E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.37E-07 |
| 1185 | 395720.7 | 3870476 | 1.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.35E-07 |
| 755 | 395320.7 | 3869926 | 1.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.35E-07 |
| 1268 | 395770.7 | 3870576 | 1.35E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.35E-07 |
| 935 | 395520.7 | 3870176 | 1.34E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.34E-07 |
| 1310 | 395820.7 | 3870626 | 1.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-07 |
| 1060 | 395620.7 | 3870326 | 1.33E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-07 |
| 742 | 395270.7 | 3869876 | 1.32E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.32E-07 |
| 893 | 395470.7 | 3870126 | 1.31E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-07 |
| 1143 | 395670.7 | 3870426 | 1.29E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.29E-07 |
| 1018 | 395570.7 | 3870276 | 1.28E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-07 |
| 851 | 395420.7 | 3870076 | 1.28E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-07 |
| 1226 | 395720.7 | 3870526 | 1.27E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-07 |
| 809 | 395370.7 | 3870026 | 1.26E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-07 |
| 976 | 395520.7 | 3870226 | 1.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-07 |
| 767 | 395320.7 | 3869976 | 1.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-07 |
| 1101 | 395620.7 | 3870376 | 1.24E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-07 |
| 1309 | 395770.7 | 3870626 | 1.23E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.23E-07 |
| 754 | 395270.7 | 3869926 | 1.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-07 |
| 934 | 395470.7 | 3870176 | 1.22E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-07 |
| 1184 | 395670.7 | 3870476 | 1.21E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.21E-07 |
| 1267 | 395720.7 | 3870576 | 1.20E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-07 |
| 892 | 395420.7 | 3870126 | 1.20E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-07 |
| 1059 | 395570.7 | 3870326 | 1.20E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-07 |
| 850 | 395370.7 | 3870076 | 1.17E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-07 |
| 1142 | 395620.7 | 3870426 | 1.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-07 |
| 1017 | 395520.7 | 3870276 | 1.16E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-07 |
| 808 | 395320.7 | 3870026 | 1.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.15E-07 |
| 1225 | 395670.7 | 3870526 | 1.15E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.15E-07 |
| 1308 | 395720.7 | 3870626 | 1.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-07 |
| 766 | 395270.7 | 3869976 | 1.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-07 |
| 975 | 395470.7 | 3870226 | 1.14E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-07 |
| 1100 | 395570.7 | 3870376 | 1.13E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.13E-07 |

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| 933 | 395420.7 | 3870176 | 1.12E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-07 |
| 891 | 395370.7 | 3870126 | 1.11E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-07 |
| 1183 | 395620.7 | 3870476 | 1.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-07 |
| 1266 | 395670.7 | 3870576 | 1.10E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-07 |
| 1058 | 395520.7 | 3870326 | 1.09E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.09E-07 |
| 849 | 395320.7 | 3870076 | 1.08E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-07 |
| 807 | 395270.7 | 3870026 | 1.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-07 |
| 1016 | 395470.7 | 3870276 | 1.07E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-07 |
| 1141 | 395570.7 | 3870426 | 1.06E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-07 |
| 974 | 395420.7 | 3870226 | 1.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-07 |
| 1307 | 395670.7 | 3870626 | 1.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-07 |
| 932 | 395370.7 | 3870176 | 1.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-07 |
| 1224 | 395620.7 | 3870526 | 1.05E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-07 |
| 1099 | 395520.7 | 3870376 | 1.03E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.03E-07 |
| 890 | 395320.7 | 3870126 | 1.03E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.03E-07 |
| 848 | 395270.7 | 3870076 | 1.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-07 |
| 1057 | 395470.7 | 3870326 | 1.01E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-07 |
| 1182 | 395570.7 | 3870476 | 1.00E-07 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-07 |
| 1265 | 395620.7 | 3870576 | 9.99E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.99E-08 |
| 1015 | 395420.7 | 3870276 | 9.85E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.85E-08 |
| 973 | 395370.7 | 3870226 | 9.76E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.76E-08 |
| 1140 | 395520.7 | 3870426 | 9.72E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.72E-08 |
| 931 | 395320.7 | 3870176 | 9.68E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.68E-08 |
| 1306 | 395620.7 | 3870626 | 9.56E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.56E-08 |
| 889 | 395270.7 | 3870126 | 9.51E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.51E-08 |
| 1223 | 395570.7 | 3870526 | 9.48E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.48E-08 |
| 1098 | 395470.7 | 3870376 | 9.44E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.44E-08 |
| 1056 | 395420.7 | 3870326 | 9.25E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.25E-08 |
| 1014 | 395370.7 | 3870276 | 9.18E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.18E-08 |
| 972 | 395320.7 | 3870226 | 9.17E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.17E-08 |
| 1181 | 395520.7 | 3870476 | 9.13E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.13E-08 |
| 930 | 395270.7 | 3870176 | 9.07E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.07E-08 |
| 1264 | 395570.7 | 3870576 | 9.05E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.05E-08 |
| 1139 | 395470.7 | 3870426 | 8.94E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.94E-08 |
| 1097 | 395420.7 | 3870376 | 8.75E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.75E-08 |
| 1222 | 395520.7 | 3870526 | 8.69E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.69E-08 |
| 1305 | 395570.7 | 3870626 | 8.69E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.69E-08 |
| 1013 | 395320.7 | 3870276 | 8.65E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.65E-08 |
| 1055 | 395370.7 | 3870326 | 8.65E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.65E-08 |
| 971 | 395270.7 | 3870226 | 8.64E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.64E-08 |
| 1180 | 395470.7 | 3870476 | 8.47E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.47E-08 |
| 1138 | 395420.7 | 3870426 | 8.31E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.31E-08 |
| 1263 | 395520.7 | 3870576 | 8.31E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.31E-08 |
| 1096 | 395370.7 | 3870376 | 8.15E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.15E-08 |
| 1012 | 395270.7 | 3870276 | 8.12E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.12E-08 |
| 1054 | 395320.7 | 3870326 | 8.08E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.08E-08 |
| 1221 | 395470.7 | 3870526 | 8.06E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.06E-08 |
| 1304 | 395520.7 | 3870626 | 7.99E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.99E-08 |
| 1179 | 395420.7 | 3870476 | 7.85E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.85E-08 |

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|---|---|---|---|---|---|
| 1137 | 395370.7 | 3870426 | 7.69E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.69E-08 |
| 1262 | 395470.7 | 3870576 | 7.69E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.69E-08 |
| 1053 | 395270.7 | 3870326 | 7.67E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.67E-08 |
| 1095 | 395320.7 | 3870376 | 7.64E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.64E-08 |
| 1220 | 395420.7 | 3870526 | 7.44E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.44E-08 |
| 1178 | 395370.7 | 3870476 | 7.32E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.32E-08 |
| 1303 | 395470.7 | 3870626 | 7.32E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.32E-08 |
| 1136 | 395320.7 | 3870426 | 7.24E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.24E-08 |
| 1094 | 395270.7 | 3870376 | 7.21E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.21E-08 |
| 1261 | 395420.7 | 3870576 | 7.11E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.11E-08 |
| 1219 | 395370.7 | 3870526 | 6.98E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.98E-08 |
| 1177 | 395320.7 | 3870476 | 6.83E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.83E-08 |
| 1302 | 395420.7 | 3870626 | 6.83E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.83E-08 |
| 1135 | 395270.7 | 3870426 | 6.80E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.80E-08 |
| 1260 | 395370.7 | 3870576 | 6.67E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.67E-08 |
| 1218 | 395320.7 | 3870526 | 6.51E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.51E-08 |
| 1176 | 395270.7 | 3870476 | 6.46E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.46E-08 |
| 1301 | 395370.7 | 3870626 | 6.39E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.39E-08 |
| 1259 | 395320.7 | 3870576 | 6.23E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.23E-08 |
| 1217 | 395270.7 | 3870526 | 6.16E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.16E-08 |
| 1300 | 395320.7 | 3870626 | 5.98E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.98E-08 |
| 1258 | 395270.7 | 3870576 | 5.89E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.89E-08 |
| 1299 | 395270.7 | 3870626 | 5.66E-08 | 2YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.66E-08 |

**Edwards AFB Solar Facility Project - Construction HRA - Unmitigated Non-Cancer Chronic Risk**

**HARP 2 - Air Dispersion Modeling and Risk Tool v17320
**2/7/2018
** Chronic Risk Results of All Discrete Sensitive Receptor Points Are Shown - Descending From Maximum

| REC | X | Y | SCENARIO | RESP | MAXHI |
|---|---|---|---|---|---|
| 792 | 396570.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.77E-03 | 3.77E-03 |
| 790 | 396470.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.75E-03 | 3.75E-03 |
| 791 | 396520.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.75E-03 | 3.75E-03 |
| 793 | 396620.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.73E-03 | 3.73E-03 |
| 789 | 396420.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.70E-03 | 3.70E-03 |
| 788 | 396370.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.64E-03 | 3.64E-03 |
| 787 | 396320.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.55E-03 | 3.55E-03 |
| 786 | 396270.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.45E-03 | 3.45E-03 |
| 785 | 396220.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.30E-03 | 3.30E-03 |
| 794 | 396668.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 3.30E-03 | 3.30E-03 |
| 795 | 396718.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 3.22E-03 | 3.22E-03 |
| 784 | 396170.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.16E-03 | 3.16E-03 |
| 796 | 396768.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 3.02E-03 | 3.02E-03 |
| 783 | 396120.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.98E-03 | 2.98E-03 |
| 782 | 396070.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.73E-03 | 2.73E-03 |
| 834 | 396620.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.59E-03 | 2.59E-03 |
| 833 | 396570.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.59E-03 | 2.59E-03 |
| 832 | 396520.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.58E-03 | 2.58E-03 |
| 835 | 396670.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.56E-03 | 2.56E-03 |
| 797 | 396818.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 2.54E-03 | 2.54E-03 |
| 831 | 396470.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.54E-03 | 2.54E-03 |
| 836 | 396720.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.52E-03 | 2.52E-03 |
| 830 | 396420.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.49E-03 | 2.49E-03 |
| 781 | 396020.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.45E-03 | 2.45E-03 |
| 829 | 396370.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.42E-03 | 2.42E-03 |
| 837 | 396770.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.39E-03 | 2.39E-03 |
| 828 | 396320.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.34E-03 | 2.34E-03 |
| 609 | 395820.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.29E-03 | 2.29E-03 |
| 597 | 395820.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.29E-03 | 2.29E-03 |
| 621 | 395820.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.29E-03 | 2.29E-03 |
| 633 | 395820.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.27E-03 | 2.27E-03 |
| 585 | 395820.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.27E-03 | 2.27E-03 |
| 827 | 396270.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.24E-03 | 2.24E-03 |
| 645 | 395820.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.24E-03 | 2.24E-03 |
| 573 | 395820.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.23E-03 | 2.23E-03 |
| 657 | 395820.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.20E-03 | 2.20E-03 |
| 838 | 396820.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.16E-03 | 2.16E-03 |
| 669 | 395820.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.15E-03 | 2.15E-03 |
| 826 | 396220.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.13E-03 | 2.13E-03 |
| 561 | 395820.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.13E-03 | 2.13E-03 |

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|---|---|---|---|---|---|
| 780 | 395970.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.09E-03 | 2.09E-03 |
| 681 | 395820.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.09E-03 | 2.09E-03 |
| 798 | 396868.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 2.07E-03 | 2.07E-03 |
| 875 | 396620.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.01E-03 | 2.01E-03 |
| 876 | 396670.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.00E-03 | 2.00E-03 |
| 693 | 395820.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.00E-03 | 2.00E-03 |
| 874 | 396570.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.99E-03 | 1.99E-03 |
| 825 | 396170.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.99E-03 | 1.99E-03 |
| 873 | 396520.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.97E-03 | 1.97E-03 |
| 877 | 396720.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.96E-03 | 1.96E-03 |
| 872 | 396470.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.93E-03 | 1.93E-03 |
| 878 | 396770.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.90E-03 | 1.90E-03 |
| 705 | 395820.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.89E-03 | 1.89E-03 |
| 839 | 396870.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.89E-03 | 1.89E-03 |
| 871 | 396420.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.88E-03 | 1.88E-03 |
| 549 | 395820.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.86E-03 | 1.86E-03 |
| 824 | 396120.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.82E-03 | 1.82E-03 |
| 870 | 396370.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.81E-03 | 1.81E-03 |
| 879 | 396820.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.79E-03 | 1.79E-03 |
| 717 | 395820.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.78E-03 | 1.78E-03 |
| 799 | 396918.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 1.77E-03 | 1.77E-03 |
| 869 | 396320.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.73E-03 | 1.73E-03 |
| 840 | 396920.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-03 | 1.64E-03 |
| 880 | 396870.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-03 | 1.64E-03 |
| 868 | 396270.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-03 | 1.64E-03 |
| 823 | 396070.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-03 | 1.64E-03 |
| 729 | 395820.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-03 | 1.64E-03 |
| 917 | 396670.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-03 | 1.62E-03 |
| 916 | 396620.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-03 | 1.62E-03 |
| 918 | 396720.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.61E-03 | 1.61E-03 |
| 915 | 396570.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.60E-03 | 1.60E-03 |
| 919 | 396770.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-03 | 1.58E-03 |
| 914 | 396520.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-03 | 1.58E-03 |
| 779 | 395920.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-03 | 1.55E-03 |
| 867 | 396220.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.54E-03 | 1.54E-03 |
| 913 | 396470.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.53E-03 | 1.53E-03 |
| 800 | 396968.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 1.53E-03 | 1.53E-03 |
| 920 | 396820.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.52E-03 | 1.52E-03 |
| 537 | 395820.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.51E-03 | 1.51E-03 |
| 596 | 395770.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.51E-03 | 1.51E-03 |
| 608 | 395770.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-03 | 1.50E-03 |
| 584 | 395770.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-03 | 1.50E-03 |
| 620 | 395770.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-03 | 1.49E-03 |
| 912 | 396420.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.48E-03 | 1.48E-03 |
| 881 | 396920.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.48E-03 | 1.48E-03 |
| 572 | 395770.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.47E-03 | 1.47E-03 |
| 632 | 395770.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.47E-03 | 1.47E-03 |

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|---|---|---|---|---|---|
| 741 | 395820.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.45E-03 | 1.45E-03 |
| 841 | 396970.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.44E-03 | 1.44E-03 |
| 644 | 395770.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.44E-03 | 1.44E-03 |
| 560 | 395770.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.43E-03 | 1.43E-03 |
| 921 | 396870.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.43E-03 | 1.43E-03 |
| 911 | 396370.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.42E-03 | 1.42E-03 |
| 866 | 396170.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.42E-03 | 1.42E-03 |
| 822 | 396020.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-03 | 1.41E-03 |
| 656 | 395770.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.40E-03 | 1.40E-03 |
| 668 | 395770.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-03 | 1.36E-03 |
| 958 | 396670.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-03 | 1.36E-03 |
| 959 | 396720.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-03 | 1.35E-03 |
| 910 | 396320.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-03 | 1.35E-03 |
| 957 | 396620.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-03 | 1.35E-03 |
| 801 | 397018.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 1.34E-03 | 1.34E-03 |
| 960 | 396770.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.34E-03 | 1.34E-03 |
| 548 | 395770.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.33E-03 | 1.33E-03 |
| 882 | 396970.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.33E-03 | 1.33E-03 |
| 956 | 396570.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.33E-03 | 1.33E-03 |
| 922 | 396920.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.32E-03 | 1.32E-03 |
| 961 | 396820.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-03 | 1.30E-03 |
| 955 | 396520.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-03 | 1.30E-03 |
| 680 | 395770.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.29E-03 | 1.29E-03 |
| 842 | 397020.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.28E-03 | 1.28E-03 |
| 865 | 396120.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.28E-03 | 1.28E-03 |
| 909 | 396270.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.27E-03 | 1.27E-03 |
| 525 | 395820.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-03 | 1.26E-03 |
| 954 | 396470.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-03 | 1.26E-03 |
| 962 | 396870.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.25E-03 | 1.25E-03 |
| 692 | 395770.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.22E-03 | 1.22E-03 |
| 923 | 396970.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-03 | 1.21E-03 |
| 953 | 396420.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-03 | 1.21E-03 |
| 536 | 395770.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.20E-03 | 1.20E-03 |
| 883 | 397020.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.20E-03 | 1.20E-03 |
| 802 | 397068.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 1.18E-03 | 1.18E-03 |
| 753 | 395820.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.18E-03 | 1.18E-03 |
| 963 | 396920.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.18E-03 | 1.18E-03 |
| 908 | 396220.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.17E-03 | 1.17E-03 |
| 1000 | 396720.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.16E-03 | 1.16E-03 |
| 999 | 396670.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-03 | 1.15E-03 |
| 1001 | 396770.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-03 | 1.15E-03 |
| 952 | 396370.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-03 | 1.15E-03 |
| 704 | 395770.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-03 | 1.15E-03 |
| 821 | 395970.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-03 | 1.14E-03 |
| 998 | 396620.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-03 | 1.14E-03 |
| 843 | 397070.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-03 | 1.14E-03 |
| 1002 | 396820.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.13E-03 | 1.13E-03 |

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|---|---|---|---|---|---|
| 864 | 396070.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-03 | 1.12E-03 |
| 583 | 395720.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-03 | 1.12E-03 |
| 595 | 395720.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-03 | 1.12E-03 |
| 997 | 396570.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-03 | 1.12E-03 |
| 571 | 395720.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-03 | 1.12E-03 |
| 607 | 395720.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-03 | 1.12E-03 |
| 924 | 397020.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.11E-03 | 1.11E-03 |
| 619 | 395720.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-03 | 1.10E-03 |
| 964 | 396970.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-03 | 1.10E-03 |
| 1003 | 396870.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-03 | 1.10E-03 |
| 559 | 395720.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-03 | 1.09E-03 |
| 996 | 396520.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-03 | 1.09E-03 |
| 513 | 395820.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-03 | 1.09E-03 |
| 951 | 396320.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.08E-03 | 1.08E-03 |
| 631 | 395720.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.08E-03 | 1.08E-03 |
| 884 | 397070.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.08E-03 | 1.08E-03 |
| 524 | 395770.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-03 | 1.07E-03 |
| 907 | 396170.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-03 | 1.07E-03 |
| 716 | 395770.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.06E-03 | 1.06E-03 |
| 1004 | 396920.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-03 | 1.05E-03 |
| 803 | 397118.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-03 | 1.05E-03 |
| 547 | 395720.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-03 | 1.05E-03 |
| 995 | 396470.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-03 | 1.05E-03 |
| 643 | 395720.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-03 | 1.05E-03 |
| 965 | 397020.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.02E-03 | 1.02E-03 |
| 844 | 397120.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.02E-03 | 1.02E-03 |
| 655 | 395720.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-03 | 1.01E-03 |
| 925 | 397070.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-03 | 1.01E-03 |
| 950 | 396270.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-03 | 1.01E-03 |
| 994 | 396420.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.00E-03 | 1.00E-03 |
| 1042 | 396770.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.00E-03 | 1.00E-03 |
| 1041 | 396720.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.99E-04 | 9.99E-04 |
| 1005 | 396970.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 9.97E-04 | 9.97E-04 |
| 1040 | 396670.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.92E-04 | 9.92E-04 |
| 1043 | 396820.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.91E-04 | 9.91E-04 |
| 535 | 395720.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 9.86E-04 | 9.86E-04 |
| 1039 | 396620.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.77E-04 | 9.77E-04 |
| 1044 | 396870.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.71E-04 | 9.71E-04 |
| 885 | 397120.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 9.70E-04 | 9.70E-04 |
| 667 | 395720.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 9.68E-04 | 9.68E-04 |
| 906 | 396120.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.54E-04 | 9.54E-04 |
| 501 | 395820.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 9.54E-04 | 9.54E-04 |
| 1038 | 396570.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.53E-04 | 9.53E-04 |
| 512 | 395770.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 9.52E-04 | 9.52E-04 |
| 863 | 396020.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 9.52E-04 | 9.52E-04 |
| 993 | 396370.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 9.50E-04 | 9.50E-04 |
| 728 | 395770.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 9.48E-04 | 9.48E-04 |

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|---|---|---|---|---|---|
| 966 | 397070.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-04 | 9.42E-04 |
| 804 | 397168.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-04 | 9.42E-04 |
| 1045 | 396920.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-04 | 9.42E-04 |
| 1006 | 397020.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 9.37E-04 | 9.37E-04 |
| 949 | 396220.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 9.25E-04 | 9.25E-04 |
| 1037 | 396520.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.23E-04 | 9.23E-04 |
| 679 | 395720.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 9.20E-04 | 9.20E-04 |
| 926 | 397120.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.19E-04 | 9.19E-04 |
| 845 | 397170.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 9.15E-04 | 9.15E-04 |
| 523 | 395720.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 9.09E-04 | 9.09E-04 |
| 1046 | 396970.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.05E-04 | 9.05E-04 |
| 778 | 395870.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 8.93E-04 | 8.93E-04 |
| 582 | 395670.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.93E-04 | 8.93E-04 |
| 570 | 395670.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.91E-04 | 8.91E-04 |
| 992 | 396320.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.88E-04 | 8.88E-04 |
| 594 | 395670.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.87E-04 | 8.87E-04 |
| 1036 | 396470.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 8.87E-04 | 8.87E-04 |
| 558 | 395670.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 8.80E-04 | 8.80E-04 |
| 886 | 397170.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 8.79E-04 | 8.79E-04 |
| 1083 | 396770.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.78E-04 | 8.78E-04 |
| 1007 | 397070.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.76E-04 | 8.76E-04 |
| 606 | 395670.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 8.76E-04 | 8.76E-04 |
| 1084 | 396820.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.75E-04 | 8.75E-04 |
| 1082 | 396720.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.73E-04 | 8.73E-04 |
| 967 | 397120.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.67E-04 | 8.67E-04 |
| 1085 | 396870.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.64E-04 | 8.64E-04 |
| 691 | 395720.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 8.64E-04 | 8.64E-04 |
| 1081 | 396670.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.62E-04 | 8.62E-04 |
| 546 | 395670.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 8.61E-04 | 8.61E-04 |
| 1047 | 397020.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 8.60E-04 | 8.60E-04 |
| 618 | 395670.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.59E-04 | 8.59E-04 |
| 500 | 395770.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 8.54E-04 | 8.54E-04 |
| 489 | 395820.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 8.48E-04 | 8.48E-04 |
| 1086 | 396920.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.45E-04 | 8.45E-04 |
| 1035 | 396420.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 8.45E-04 | 8.45E-04 |
| 805 | 397218.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 8.45E-04 | 8.45E-04 |
| 1080 | 396620.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.45E-04 | 8.45E-04 |
| 927 | 397170.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.39E-04 | 8.39E-04 |
| 948 | 396170.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.38E-04 | 8.38E-04 |
| 820 | 395920.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 8.37E-04 | 8.37E-04 |
| 630 | 395670.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 8.37E-04 | 8.37E-04 |
| 511 | 395720.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.34E-04 | 8.34E-04 |
| 905 | 396070.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.31E-04 | 8.31E-04 |
| 534 | 395670.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 8.27E-04 | 8.27E-04 |
| 846 | 397220.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 8.25E-04 | 8.25E-04 |
| 1079 | 396570.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.22E-04 | 8.22E-04 |
| 991 | 396270.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.22E-04 | 8.22E-04 |

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|---|---|---|---|---|---|
| 1087 | 396970.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.20E-04 | 8.20E-04 |
| 765 | 395820.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 8.15E-04 | 8.15E-04 |
| 1008 | 397120.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.14E-04 | 8.14E-04 |
| 740 | 395770.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 8.13E-04 | 8.13E-04 |
| 1048 | 397070.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 8.12E-04 | 8.12E-04 |
| 642 | 395670.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 8.10E-04 | 8.10E-04 |
| 703 | 395720.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 8.00E-04 | 8.00E-04 |
| 968 | 397170.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.98E-04 | 7.98E-04 |
| 887 | 397220.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 7.97E-04 | 7.97E-04 |
| 1034 | 396370.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.95E-04 | 7.95E-04 |
| 1078 | 396520.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.94E-04 | 7.94E-04 |
| 1088 | 397020.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.89E-04 | 7.89E-04 |
| 522 | 395670.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 7.83E-04 | 7.83E-04 |
| 1125 | 396820.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.78E-04 | 7.78E-04 |
| 654 | 395670.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 7.77E-04 | 7.77E-04 |
| 1124 | 396770.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.77E-04 | 7.77E-04 |
| 1126 | 396870.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.72E-04 | 7.72E-04 |
| 488 | 395770.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 7.72E-04 | 7.72E-04 |
| 1123 | 396720.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.69E-04 | 7.69E-04 |
| 928 | 397220.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 7.67E-04 | 7.67E-04 |
| 499 | 395720.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 7.65E-04 | 7.65E-04 |
| 806 | 397268.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-04 | 7.63E-04 |
| 1049 | 397120.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-04 | 7.63E-04 |
| 1127 | 396920.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.60E-04 | 7.60E-04 |
| 1077 | 396470.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.60E-04 | 7.60E-04 |
| 862 | 395970.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 7.59E-04 | 7.59E-04 |
| 477 | 395820.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 7.59E-04 | 7.59E-04 |
| 1009 | 397170.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.56E-04 | 7.56E-04 |
| 1122 | 396670.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.56E-04 | 7.56E-04 |
| 1089 | 397070.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.52E-04 | 7.52E-04 |
| 990 | 396220.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.52E-04 | 7.52E-04 |
| 847 | 397270.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 7.47E-04 | 7.47E-04 |
| 947 | 396120.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.44E-04 | 7.44E-04 |
| 1128 | 396970.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.44E-04 | 7.44E-04 |
| 1033 | 396320.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.41E-04 | 7.41E-04 |
| 666 | 395670.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 7.40E-04 | 7.40E-04 |
| 1121 | 396620.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.38E-04 | 7.38E-04 |
| 569 | 395620.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 7.37E-04 | 7.37E-04 |
| 969 | 397220.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.35E-04 | 7.35E-04 |
| 581 | 395620.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.35E-04 | 7.35E-04 |
| 557 | 395620.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 7.34E-04 | 7.34E-04 |
| 510 | 395670.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 7.33E-04 | 7.33E-04 |
| 593 | 395620.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.27E-04 | 7.27E-04 |
| 715 | 395720.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 7.26E-04 | 7.26E-04 |
| 888 | 397270.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 7.26E-04 | 7.26E-04 |
| 545 | 395620.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 7.23E-04 | 7.23E-04 |
| 1129 | 397020.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.22E-04 | 7.22E-04 |

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|---|---|---|---|---|---|
| 1076 | 396420.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.20E-04 | 7.20E-04 |
| 1120 | 396570.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.16E-04 | 7.16E-04 |
| 1050 | 397170.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.14E-04 | 7.14E-04 |
| 605 | 395620.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.13E-04 | 7.13E-04 |
| 1090 | 397120.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.12E-04 | 7.12E-04 |
| 533 | 395620.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 7.04E-04 | 7.04E-04 |
| 929 | 397270.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 7.02E-04 | 7.02E-04 |
| 487 | 395720.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 7.02E-04 | 7.02E-04 |
| 1010 | 397220.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.02E-04 | 7.02E-04 |
| 476 | 395770.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.98E-04 | 6.98E-04 |
| 904 | 396020.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.98E-04 | 6.98E-04 |
| 678 | 395670.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 6.98E-04 | 6.98E-04 |
| 617 | 395620.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 6.96E-04 | 6.96E-04 |
| 1166 | 396820.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.96E-04 | 6.96E-04 |
| 1130 | 397070.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.95E-04 | 6.95E-04 |
| 1167 | 396870.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.94E-04 | 6.94E-04 |
| 1165 | 396770.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.91E-04 | 6.91E-04 |
| 1119 | 396520.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.89E-04 | 6.89E-04 |
| 1168 | 396920.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.87E-04 | 6.87E-04 |
| 465 | 395820.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 6.85E-04 | 6.85E-04 |
| 498 | 395670.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 6.85E-04 | 6.85E-04 |
| 1032 | 396270.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.84E-04 | 6.84E-04 |
| 1164 | 396720.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.81E-04 | 6.81E-04 |
| 521 | 395620.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 6.81E-04 | 6.81E-04 |
| 989 | 396170.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.77E-04 | 6.77E-04 |
| 970 | 397270.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.77E-04 | 6.77E-04 |
| 1169 | 396970.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.76E-04 | 6.76E-04 |
| 1075 | 396370.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 6.75E-04 | 6.75E-04 |
| 629 | 395620.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.74E-04 | 6.74E-04 |
| 1091 | 397170.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 6.73E-04 | 6.73E-04 |
| 1051 | 397220.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.67E-04 | 6.67E-04 |
| 1163 | 396670.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.67E-04 | 6.67E-04 |
| 1131 | 397120.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.65E-04 | 6.65E-04 |
| 752 | 395770.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 6.62E-04 | 6.62E-04 |
| 1170 | 397020.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.61E-04 | 6.61E-04 |
| 1118 | 396470.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.56E-04 | 6.56E-04 |
| 1011 | 397270.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.50E-04 | 6.50E-04 |
| 1162 | 396620.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.49E-04 | 6.49E-04 |
| 509 | 395620.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 6.49E-04 | 6.49E-04 |
| 641 | 395620.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.49E-04 | 6.49E-04 |
| 690 | 395670.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.49E-04 | 6.49E-04 |
| 946 | 396070.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.47E-04 | 6.47E-04 |
| 475 | 395720.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.44E-04 | 6.44E-04 |
| 727 | 395720.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 6.42E-04 | 6.42E-04 |
| 1171 | 397070.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.42E-04 | 6.42E-04 |
| 486 | 395670.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 6.38E-04 | 6.38E-04 |
| 464 | 395770.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 6.34E-04 | 6.34E-04 |

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|---|---|---|---|---|---|
| 1092 | 397220.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 6.33E-04 | 6.33E-04 |
| 1132 | 397170.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.32E-04 | 6.32E-04 |
| 1074 | 396320.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 6.28E-04 | 6.28E-04 |
| 1161 | 396570.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.27E-04 | 6.27E-04 |
| 1208 | 396870.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.26E-04 | 6.26E-04 |
| 1207 | 396820.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.25E-04 | 6.25E-04 |
| 453 | 395820.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.24E-04 | 6.24E-04 |
| 556 | 395570.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 6.24E-04 | 6.24E-04 |
| 1031 | 396220.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.24E-04 | 6.24E-04 |
| 1209 | 396920.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.23E-04 | 6.23E-04 |
| 568 | 395570.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.23E-04 | 6.23E-04 |
| 1052 | 397270.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.22E-04 | 6.22E-04 |
| 544 | 395570.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 6.19E-04 | 6.19E-04 |
| 653 | 395620.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.19E-04 | 6.19E-04 |
| 1117 | 396420.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.19E-04 | 6.19E-04 |
| 1172 | 397120.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.19E-04 | 6.19E-04 |
| 1206 | 396770.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.18E-04 | 6.18E-04 |
| 580 | 395570.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.17E-04 | 6.17E-04 |
| 1210 | 396970.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.16E-04 | 6.16E-04 |
| 497 | 395620.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 6.14E-04 | 6.14E-04 |
| 532 | 395570.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 6.09E-04 | 6.09E-04 |
| 1205 | 396720.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.07E-04 | 6.07E-04 |
| 592 | 395570.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.07E-04 | 6.07E-04 |
| 1211 | 397020.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.06E-04 | 6.06E-04 |
| 1160 | 396520.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.01E-04 | 6.01E-04 |
| 988 | 396120.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.00E-04 | 6.00E-04 |
| 1133 | 397220.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.99E-04 | 5.99E-04 |
| 520 | 395570.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 5.94E-04 | 5.94E-04 |
| 702 | 395670.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 5.94E-04 | 5.94E-04 |
| 474 | 395670.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 5.94E-04 | 5.94E-04 |
| 1093 | 397270.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.94E-04 | 5.94E-04 |
| 604 | 395570.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.93E-04 | 5.93E-04 |
| 1173 | 397170.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.93E-04 | 5.93E-04 |
| 1204 | 396670.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.92E-04 | 5.92E-04 |
| 1212 | 397070.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.92E-04 | 5.92E-04 |
| 463 | 395720.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 5.92E-04 | 5.92E-04 |
| 861 | 395920.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 5.87E-04 | 5.87E-04 |
| 665 | 395620.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.86E-04 | 5.86E-04 |
| 819 | 395870.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.86E-04 | 5.86E-04 |
| 452 | 395770.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.83E-04 | 5.83E-04 |
| 1116 | 396370.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.81E-04 | 5.81E-04 |
| 1073 | 396270.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.79E-04 | 5.79E-04 |
| 485 | 395620.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 5.78E-04 | 5.78E-04 |
| 616 | 395570.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.76E-04 | 5.76E-04 |
| 1213 | 397120.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.76E-04 | 5.76E-04 |
| 508 | 395570.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 5.75E-04 | 5.75E-04 |
| 1203 | 396620.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.74E-04 | 5.74E-04 |

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|---|---|---|---|---|---|
| 1159 | 396470.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.71E-04 | 5.71E-04 |
| 903 | 395970.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.69E-04 | 5.69E-04 |
| 1249 | 396870.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.67E-04 | 5.67E-04 |
| 1250 | 396920.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.67E-04 | 5.67E-04 |
| 1134 | 397270.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.65E-04 | 5.65E-04 |
| 1174 | 397220.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.65E-04 | 5.65E-04 |
| 1248 | 396820.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.64E-04 | 5.64E-04 |
| 1251 | 396970.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.63E-04 | 5.63E-04 |
| 1030 | 396170.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.61E-04 | 5.61E-04 |
| 1252 | 397020.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.56E-04 | 5.56E-04 |
| 1247 | 396770.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.56E-04 | 5.56E-04 |
| 1214 | 397170.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.56E-04 | 5.56E-04 |
| 628 | 395570.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.54E-04 | 5.54E-04 |
| 777 | 395820.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 5.53E-04 | 5.53E-04 |
| 496 | 395570.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 5.52E-04 | 5.52E-04 |
| 1202 | 396570.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.52E-04 | 5.52E-04 |
| 739 | 395720.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 5.52E-04 | 5.52E-04 |
| 462 | 395670.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 5.52E-04 | 5.52E-04 |
| 451 | 395720.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.48E-04 | 5.48E-04 |
| 1253 | 397070.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.47E-04 | 5.47E-04 |
| 677 | 395620.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.47E-04 | 5.47E-04 |
| 473 | 395620.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 5.45E-04 | 5.45E-04 |
| 945 | 396020.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.45E-04 | 5.45E-04 |
| 1246 | 396720.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.44E-04 | 5.44E-04 |
| 1115 | 396320.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.39E-04 | 5.39E-04 |
| 1158 | 396420.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.39E-04 | 5.39E-04 |
| 555 | 395520.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 5.38E-04 | 5.38E-04 |
| 1175 | 397270.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.37E-04 | 5.37E-04 |
| 543 | 395520.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.37E-04 | 5.37E-04 |
| 714 | 395670.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 5.36E-04 | 5.36E-04 |
| 1254 | 397120.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.35E-04 | 5.35E-04 |
| 567 | 395520.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.33E-04 | 5.33E-04 |
| 1215 | 397220.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.33E-04 | 5.33E-04 |
| 531 | 395520.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 5.32E-04 | 5.32E-04 |
| 640 | 395570.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.30E-04 | 5.30E-04 |
| 1245 | 396670.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.29E-04 | 5.29E-04 |
| 1201 | 396520.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.28E-04 | 5.28E-04 |
| 1072 | 396220.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.27E-04 | 5.27E-04 |
| 484 | 395570.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 5.26E-04 | 5.26E-04 |
| 579 | 395520.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.25E-04 | 5.25E-04 |
| 519 | 395520.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 5.24E-04 | 5.24E-04 |
| 1255 | 397170.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.20E-04 | 5.20E-04 |
| 987 | 396070.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.19E-04 | 5.19E-04 |
| 1291 | 396920.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.17E-04 | 5.17E-04 |
| 1290 | 396870.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.16E-04 | 5.16E-04 |
| 1292 | 396970.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.15E-04 | 5.15E-04 |
| 591 | 395520.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.14E-04 | 5.14E-04 |

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|---|---|---|---|---|---|
| 764 | 395770.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 5.14E-04 | 5.14E-04 |
| 450 | 395670.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.13E-04 | 5.13E-04 |
| 461 | 395620.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 5.13E-04 | 5.13E-04 |
| 507 | 395520.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 5.12E-04 | 5.12E-04 |
| 1293 | 397020.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.12E-04 | 5.12E-04 |
| 1289 | 396820.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.11E-04 | 5.11E-04 |
| 1244 | 396620.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.10E-04 | 5.10E-04 |
| 1216 | 397270.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.10E-04 | 5.10E-04 |
| 689 | 395620.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.07E-04 | 5.07E-04 |
| 1294 | 397070.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.06E-04 | 5.06E-04 |
| 1157 | 396370.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.04E-04 | 5.04E-04 |
| 652 | 395570.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.03E-04 | 5.03E-04 |
| 1256 | 397220.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.02E-04 | 5.02E-04 |
| 1200 | 396470.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.02E-04 | 5.02E-04 |
| 1288 | 396770.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.01E-04 | 5.01E-04 |
| 472 | 395570.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 4.99E-04 | 4.99E-04 |
| 603 | 395520.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.98E-04 | 4.98E-04 |
| 1029 | 396120.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.97E-04 | 4.97E-04 |
| 1295 | 397120.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.97E-04 | 4.97E-04 |
| 1114 | 396270.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.96E-04 | 4.96E-04 |
| 495 | 395520.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 4.96E-04 | 4.96E-04 |
| 1243 | 396570.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.90E-04 | 4.90E-04 |
| 1287 | 396720.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.88E-04 | 4.88E-04 |
| 1296 | 397170.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.86E-04 | 4.86E-04 |
| 1257 | 397270.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.83E-04 | 4.83E-04 |
| 449 | 395620.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.82E-04 | 4.82E-04 |
| 615 | 395520.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.82E-04 | 4.82E-04 |
| 483 | 395520.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 4.78E-04 | 4.78E-04 |
| 726 | 395670.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 4.75E-04 | 4.75E-04 |
| 664 | 395570.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.74E-04 | 4.74E-04 |
| 460 | 395570.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 4.74E-04 | 4.74E-04 |
| 1071 | 396170.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.74E-04 | 4.74E-04 |
| 1333 | 396970.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.73E-04 | 4.73E-04 |
| 1332 | 396920.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.73E-04 | 4.73E-04 |
| 1286 | 396670.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.73E-04 | 4.73E-04 |
| 1199 | 396420.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.73E-04 | 4.73E-04 |
| 1297 | 397220.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.72E-04 | 4.72E-04 |
| 1334 | 397020.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.71E-04 | 4.71E-04 |
| 542 | 395470.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 4.70E-04 | 4.70E-04 |
| 1331 | 396870.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.70E-04 | 4.70E-04 |
| 530 | 395470.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 4.69E-04 | 4.69E-04 |
| 1242 | 396520.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.68E-04 | 4.68E-04 |
| 1335 | 397070.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.68E-04 | 4.68E-04 |
| 1156 | 396320.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.68E-04 | 4.68E-04 |
| 554 | 395470.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 4.66E-04 | 4.66E-04 |
| 518 | 395470.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 4.65E-04 | 4.65E-04 |
| 701 | 395620.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 4.64E-04 | 4.64E-04 |

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|---|---|---|---|---|---|
| 627 | 395520.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.63E-04 | 4.63E-04 |
| 1330 | 396820.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.63E-04 | 4.63E-04 |
| 1336 | 397120.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.62E-04 | 4.62E-04 |
| 751 | 395720.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 4.62E-04 | 4.62E-04 |
| 566 | 395470.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 4.60E-04 | 4.60E-04 |
| 902 | 395920.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 4.59E-04 | 4.59E-04 |
| 471 | 395520.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 4.58E-04 | 4.58E-04 |
| 506 | 395470.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 4.58E-04 | 4.58E-04 |
| 1298 | 397270.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.56E-04 | 4.56E-04 |
| 1285 | 396620.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.56E-04 | 4.56E-04 |
| 944 | 395970.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 4.56E-04 | 4.56E-04 |
| 1337 | 397170.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.54E-04 | 4.54E-04 |
| 1329 | 396770.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.53E-04 | 4.53E-04 |
| 860 | 395870.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 4.53E-04 | 4.53E-04 |
| 1113 | 396220.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.52E-04 | 4.52E-04 |
| 578 | 395470.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 4.51E-04 | 4.51E-04 |
| 448 | 395570.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.50E-04 | 4.50E-04 |
| 494 | 395470.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 4.48E-04 | 4.48E-04 |
| 986 | 396020.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 4.46E-04 | 4.46E-04 |
| 1241 | 396470.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.44E-04 | 4.44E-04 |
| 676 | 395570.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.44E-04 | 4.44E-04 |
| 1338 | 397220.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.43E-04 | 4.43E-04 |
| 639 | 395520.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.42E-04 | 4.42E-04 |
| 1198 | 396370.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.42E-04 | 4.42E-04 |
| 1328 | 396720.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.41E-04 | 4.41E-04 |
| 590 | 395470.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 4.39E-04 | 4.39E-04 |
| 459 | 395520.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 4.38E-04 | 4.38E-04 |
| 1284 | 396570.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.37E-04 | 4.37E-04 |
| 482 | 395470.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 4.35E-04 | 4.35E-04 |
| 1028 | 396070.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.33E-04 | 4.33E-04 |
| 818 | 395820.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 4.32E-04 | 4.32E-04 |
| 1339 | 397270.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.31E-04 | 4.31E-04 |
| 1155 | 396270.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.30E-04 | 4.30E-04 |
| 602 | 395470.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.26E-04 | 4.26E-04 |
| 1327 | 396670.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.25E-04 | 4.25E-04 |
| 470 | 395470.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 4.20E-04 | 4.20E-04 |
| 1070 | 396120.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.19E-04 | 4.19E-04 |
| 651 | 395520.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.19E-04 | 4.19E-04 |
| 713 | 395620.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 4.19E-04 | 4.19E-04 |
| 447 | 395520.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.18E-04 | 4.18E-04 |
| 1240 | 396420.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.18E-04 | 4.18E-04 |
| 1283 | 396520.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.17E-04 | 4.17E-04 |
| 529 | 395420.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 4.14E-04 | 4.14E-04 |
| 738 | 395670.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 4.13E-04 | 4.13E-04 |
| 517 | 395420.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 4.13E-04 | 4.13E-04 |
| 541 | 395420.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 4.13E-04 | 4.13E-04 |
| 614 | 395470.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.11E-04 | 4.11E-04 |

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|---|---|---|---|---|---|
| 688 | 395570.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.10E-04 | 4.10E-04 |
| 505 | 395420.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 4.09E-04 | 4.09E-04 |
| 1326 | 396620.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.09E-04 | 4.09E-04 |
| 1197 | 396320.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.09E-04 | 4.09E-04 |
| 553 | 395420.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 4.09E-04 | 4.09E-04 |
| 1112 | 396170.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.06E-04 | 4.06E-04 |
| 776 | 395770.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 4.06E-04 | 4.06E-04 |
| 493 | 395420.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 4.04E-04 | 4.04E-04 |
| 458 | 395470.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 4.04E-04 | 4.04E-04 |
| 565 | 395420.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 4.02E-04 | 4.02E-04 |
| 481 | 395420.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.96E-04 | 3.96E-04 |
| 663 | 395520.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.94E-04 | 3.94E-04 |
| 626 | 395470.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.94E-04 | 3.94E-04 |
| 1282 | 396470.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.94E-04 | 3.94E-04 |
| 577 | 395420.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 3.92E-04 | 3.92E-04 |
| 1154 | 396220.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.91E-04 | 3.91E-04 |
| 1325 | 396570.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.90E-04 | 3.90E-04 |
| 446 | 395470.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.89E-04 | 3.89E-04 |
| 1239 | 396370.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.88E-04 | 3.88E-04 |
| 469 | 395420.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 3.86E-04 | 3.86E-04 |
| 763 | 395720.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.82E-04 | 3.82E-04 |
| 589 | 395420.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.81E-04 | 3.81E-04 |
| 985 | 395970.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.80E-04 | 3.80E-04 |
| 943 | 395920.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 3.79E-04 | 3.79E-04 |
| 1027 | 396020.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.77E-04 | 3.77E-04 |
| 700 | 395570.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.75E-04 | 3.75E-04 |
| 1196 | 396270.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.75E-04 | 3.75E-04 |
| 638 | 395470.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.75E-04 | 3.75E-04 |
| 457 | 395420.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.74E-04 | 3.74E-04 |
| 725 | 395620.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.72E-04 | 3.72E-04 |
| 1324 | 396520.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.72E-04 | 3.72E-04 |
| 901 | 395870.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 3.71E-04 | 3.71E-04 |
| 1069 | 396070.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.71E-04 | 3.71E-04 |
| 1281 | 396420.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.70E-04 | 3.70E-04 |
| 516 | 395370.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.70E-04 | 3.70E-04 |
| 528 | 395370.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.69E-04 | 3.69E-04 |
| 504 | 395370.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 3.69E-04 | 3.69E-04 |
| 601 | 395420.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.68E-04 | 3.68E-04 |
| 675 | 395520.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.68E-04 | 3.68E-04 |
| 540 | 395370.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 3.66E-04 | 3.66E-04 |
| 492 | 395370.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 3.66E-04 | 3.66E-04 |
| 1111 | 396120.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.63E-04 | 3.63E-04 |
| 552 | 395370.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 3.61E-04 | 3.61E-04 |
| 480 | 395370.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.61E-04 | 3.61E-04 |
| 445 | 395420.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.60E-04 | 3.60E-04 |
| 1238 | 396320.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.60E-04 | 3.60E-04 |
| 859 | 395820.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 3.58E-04 | 3.58E-04 |

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|---|---|---|---|---|---|
| 650 | 395470.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.55E-04 | 3.55E-04 |
| 750 | 395670.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 3.55E-04 | 3.55E-04 |
| 613 | 395420.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.54E-04 | 3.54E-04 |
| 564 | 395370.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 3.54E-04 | 3.54E-04 |
| 468 | 395370.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 3.54E-04 | 3.54E-04 |
| 1153 | 396170.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.54E-04 | 3.54E-04 |
| 1323 | 396470.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.52E-04 | 3.52E-04 |
| 1280 | 396370.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.45E-04 | 3.45E-04 |
| 456 | 395370.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.45E-04 | 3.45E-04 |
| 576 | 395370.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 3.45E-04 | 3.45E-04 |
| 1195 | 396220.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.43E-04 | 3.43E-04 |
| 687 | 395520.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.40E-04 | 3.40E-04 |
| 712 | 395570.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 3.39E-04 | 3.39E-04 |
| 625 | 395420.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.38E-04 | 3.38E-04 |
| 817 | 395770.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 3.37E-04 | 3.37E-04 |
| 444 | 395370.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.35E-04 | 3.35E-04 |
| 503 | 395320.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 3.34E-04 | 3.34E-04 |
| 588 | 395370.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.33E-04 | 3.33E-04 |
| 662 | 395470.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.33E-04 | 3.33E-04 |
| 515 | 395320.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.33E-04 | 3.33E-04 |
| 491 | 395320.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 3.33E-04 | 3.33E-04 |
| 1237 | 396270.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.32E-04 | 3.32E-04 |
| 1322 | 396420.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.31E-04 | 3.31E-04 |
| 527 | 395320.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.31E-04 | 3.31E-04 |
| 479 | 395320.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.30E-04 | 3.30E-04 |
| 737 | 395620.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 3.28E-04 | 3.28E-04 |
| 539 | 395320.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 3.27E-04 | 3.27E-04 |
| 1026 | 395970.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.26E-04 | 3.26E-04 |
| 467 | 395320.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 3.26E-04 | 3.26E-04 |
| 1068 | 396020.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.26E-04 | 3.26E-04 |
| 1110 | 396070.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.23E-04 | 3.23E-04 |
| 984 | 395920.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.23E-04 | 3.23E-04 |
| 551 | 395320.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 3.22E-04 | 3.22E-04 |
| 637 | 395420.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.21E-04 | 3.21E-04 |
| 1279 | 396320.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.21E-04 | 3.21E-04 |
| 600 | 395370.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.21E-04 | 3.21E-04 |
| 775 | 395720.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.19E-04 | 3.19E-04 |
| 455 | 395320.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.19E-04 | 3.19E-04 |
| 1152 | 396120.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.19E-04 | 3.19E-04 |
| 942 | 395870.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 3.16E-04 | 3.16E-04 |
| 563 | 395320.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 3.14E-04 | 3.14E-04 |
| 1194 | 396170.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.13E-04 | 3.13E-04 |
| 443 | 395320.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.11E-04 | 3.11E-04 |
| 699 | 395520.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.11E-04 | 3.11E-04 |
| 674 | 395470.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.10E-04 | 3.10E-04 |
| 1321 | 396370.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.09E-04 | 3.09E-04 |
| 612 | 395370.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.07E-04 | 3.07E-04 |

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|---|---|---|---|---|---|
| 575 | 395320.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 3.05E-04 | 3.05E-04 |
| 900 | 395820.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 3.05E-04 | 3.05E-04 |
| 1236 | 396220.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.05E-04 | 3.05E-04 |
| 724 | 395570.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.03E-04 | 3.03E-04 |
| 762 | 395670.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.03E-04 | 3.03E-04 |
| 649 | 395420.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.03E-04 | 3.03E-04 |
| 490 | 395270.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 3.02E-04 | 3.02E-04 |
| 502 | 395270.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 3.02E-04 | 3.02E-04 |
| 478 | 395270.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.01E-04 | 3.01E-04 |
| 514 | 395270.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.00E-04 | 3.00E-04 |
| 466 | 395270.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.99E-04 | 2.99E-04 |
| 1278 | 396270.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.97E-04 | 2.97E-04 |
| 526 | 395270.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.97E-04 | 2.97E-04 |
| 454 | 395270.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.96E-04 | 2.96E-04 |
| 587 | 395320.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.94E-04 | 2.94E-04 |
| 624 | 395370.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.93E-04 | 2.93E-04 |
| 538 | 395270.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.93E-04 | 2.93E-04 |
| 442 | 395270.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.90E-04 | 2.90E-04 |
| 858 | 395770.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.90E-04 | 2.90E-04 |
| 1320 | 396320.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.88E-04 | 2.88E-04 |
| 550 | 395270.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.87E-04 | 2.87E-04 |
| 749 | 395620.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 2.87E-04 | 2.87E-04 |
| 1109 | 396020.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.86E-04 | 2.86E-04 |
| 1151 | 396070.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.86E-04 | 2.86E-04 |
| 686 | 395470.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.85E-04 | 2.85E-04 |
| 1067 | 395970.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.84E-04 | 2.84E-04 |
| 1193 | 396120.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.84E-04 | 2.84E-04 |
| 661 | 395420.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.83E-04 | 2.83E-04 |
| 599 | 395320.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.82E-04 | 2.82E-04 |
| 711 | 395520.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.81E-04 | 2.81E-04 |
| 562 | 395270.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.80E-04 | 2.80E-04 |
| 1025 | 395920.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.80E-04 | 2.80E-04 |
| 1235 | 396170.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.80E-04 | 2.80E-04 |
| 636 | 395370.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.78E-04 | 2.78E-04 |
| 983 | 395870.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.75E-04 | 2.75E-04 |
| 816 | 395720.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.75E-04 | 2.75E-04 |
| 1277 | 396220.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.73E-04 | 2.73E-04 |
| 574 | 395270.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.71E-04 | 2.71E-04 |
| 736 | 395570.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 2.70E-04 | 2.70E-04 |
| 611 | 395320.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.70E-04 | 2.70E-04 |
| 941 | 395820.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.67E-04 | 2.67E-04 |
| 1319 | 396270.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.67E-04 | 2.67E-04 |
| 673 | 395420.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.64E-04 | 2.64E-04 |
| 648 | 395370.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.62E-04 | 2.62E-04 |
| 774 | 395670.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.62E-04 | 2.62E-04 |
| 586 | 395270.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.61E-04 | 2.61E-04 |
| 698 | 395470.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.61E-04 | 2.61E-04 |

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|---|---|---|---|---|---|
| 623 | 395320.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.57E-04 | 2.57E-04 |
| 1192 | 396070.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.56E-04 | 2.56E-04 |
| 899 | 395770.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.55E-04 | 2.55E-04 |
| 1150 | 396020.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.55E-04 | 2.55E-04 |
| 1234 | 396120.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.55E-04 | 2.55E-04 |
| 723 | 395520.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 2.53E-04 | 2.53E-04 |
| 1108 | 395970.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.52E-04 | 2.52E-04 |
| 1276 | 396170.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.51E-04 | 2.51E-04 |
| 761 | 395620.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 2.51E-04 | 2.51E-04 |
| 598 | 395270.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.50E-04 | 2.50E-04 |
| 1066 | 395920.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.48E-04 | 2.48E-04 |
| 1318 | 396220.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.47E-04 | 2.47E-04 |
| 660 | 395370.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.45E-04 | 2.45E-04 |
| 685 | 395420.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.44E-04 | 2.44E-04 |
| 1024 | 395870.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.43E-04 | 2.43E-04 |
| 635 | 395320.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.43E-04 | 2.43E-04 |
| 857 | 395720.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.42E-04 | 2.42E-04 |
| 748 | 395570.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 2.40E-04 | 2.40E-04 |
| 610 | 395270.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.39E-04 | 2.39E-04 |
| 710 | 395470.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.38E-04 | 2.38E-04 |
| 982 | 395820.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.38E-04 | 2.38E-04 |
| 815 | 395670.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.32E-04 | 2.32E-04 |
| 1233 | 396070.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.31E-04 | 2.31E-04 |
| 1275 | 396120.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.30E-04 | 2.30E-04 |
| 1191 | 396020.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.29E-04 | 2.29E-04 |
| 647 | 395320.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.29E-04 | 2.29E-04 |
| 735 | 395520.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 2.29E-04 | 2.29E-04 |
| 1317 | 396170.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.29E-04 | 2.29E-04 |
| 940 | 395770.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.28E-04 | 2.28E-04 |
| 672 | 395370.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.28E-04 | 2.28E-04 |
| 622 | 395270.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.26E-04 | 2.26E-04 |
| 1149 | 395970.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.26E-04 | 2.26E-04 |
| 697 | 395420.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.24E-04 | 2.24E-04 |
| 1107 | 395920.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.22E-04 | 2.22E-04 |
| 773 | 395620.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.22E-04 | 2.22E-04 |
| 1065 | 395870.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.18E-04 | 2.18E-04 |
| 898 | 395720.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.18E-04 | 2.18E-04 |
| 722 | 395470.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 2.17E-04 | 2.17E-04 |
| 659 | 395320.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.14E-04 | 2.14E-04 |
| 760 | 395570.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 2.14E-04 | 2.14E-04 |
| 634 | 395270.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.14E-04 | 2.14E-04 |
| 1023 | 395820.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.13E-04 | 2.13E-04 |
| 684 | 395370.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.11E-04 | 2.11E-04 |
| 1316 | 396120.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.11E-04 | 2.11E-04 |
| 1274 | 396070.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.10E-04 | 2.10E-04 |
| 1232 | 396020.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.09E-04 | 2.09E-04 |
| 856 | 395670.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.08E-04 | 2.08E-04 |

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|---|---|---|---|---|---|
| 709 | 395420.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.06E-04 | 2.06E-04 |
| 981 | 395770.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.06E-04 | 2.06E-04 |
| 747 | 395520.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 2.06E-04 | 2.06E-04 |
| 1190 | 395970.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.06E-04 | 2.06E-04 |
| 1148 | 395920.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.02E-04 | 2.02E-04 |
| 646 | 395270.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.01E-04 | 2.01E-04 |
| 671 | 395320.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.99E-04 | 1.99E-04 |
| 814 | 395620.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.99E-04 | 1.99E-04 |
| 734 | 395470.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.98E-04 | 1.98E-04 |
| 1106 | 395870.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.98E-04 | 1.98E-04 |
| 939 | 395720.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.97E-04 | 1.97E-04 |
| 696 | 395370.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.96E-04 | 1.96E-04 |
| 1064 | 395820.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.94E-04 | 1.94E-04 |
| 1315 | 396070.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.93E-04 | 1.93E-04 |
| 772 | 395570.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.92E-04 | 1.92E-04 |
| 1273 | 396020.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.91E-04 | 1.91E-04 |
| 721 | 395420.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.90E-04 | 1.90E-04 |
| 658 | 395270.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.88E-04 | 1.88E-04 |
| 1231 | 395970.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.88E-04 | 1.88E-04 |
| 1022 | 395770.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.88E-04 | 1.88E-04 |
| 897 | 395670.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.88E-04 | 1.88E-04 |
| 759 | 395520.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.86E-04 | 1.86E-04 |
| 683 | 395320.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.86E-04 | 1.86E-04 |
| 1189 | 395920.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.84E-04 | 1.84E-04 |
| 708 | 395370.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.81E-04 | 1.81E-04 |
| 855 | 395620.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.81E-04 | 1.81E-04 |
| 746 | 395470.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.81E-04 | 1.81E-04 |
| 1147 | 395870.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.81E-04 | 1.81E-04 |
| 980 | 395720.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.79E-04 | 1.79E-04 |
| 1105 | 395820.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.77E-04 | 1.77E-04 |
| 1314 | 396020.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.76E-04 | 1.76E-04 |
| 670 | 395270.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.76E-04 | 1.76E-04 |
| 813 | 395570.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.75E-04 | 1.75E-04 |
| 733 | 395420.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.75E-04 | 1.75E-04 |
| 1272 | 395970.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.73E-04 | 1.73E-04 |
| 695 | 395320.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.73E-04 | 1.73E-04 |
| 1063 | 395770.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.72E-04 | 1.72E-04 |
| 938 | 395670.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.71E-04 | 1.71E-04 |
| 1230 | 395920.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.70E-04 | 1.70E-04 |
| 771 | 395520.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.69E-04 | 1.69E-04 |
| 720 | 395370.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.68E-04 | 1.68E-04 |
| 1188 | 395870.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.66E-04 | 1.66E-04 |
| 758 | 395470.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.65E-04 | 1.65E-04 |
| 1021 | 395720.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.65E-04 | 1.65E-04 |
| 896 | 395620.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-04 | 1.64E-04 |
| 682 | 395270.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-04 | 1.64E-04 |
| 1146 | 395820.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.63E-04 | 1.63E-04 |

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|---|---|---|---|---|---|
| 707 | 395320.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.61E-04 | 1.61E-04 |
| 1313 | 395970.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.60E-04 | 1.60E-04 |
| 745 | 395420.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.60E-04 | 1.60E-04 |
| 854 | 395570.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.59E-04 | 1.59E-04 |
| 1104 | 395770.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.59E-04 | 1.59E-04 |
| 979 | 395670.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-04 | 1.58E-04 |
| 1271 | 395920.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.57E-04 | 1.57E-04 |
| 732 | 395370.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.56E-04 | 1.56E-04 |
| 812 | 395520.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-04 | 1.55E-04 |
| 694 | 395270.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.54E-04 | 1.54E-04 |
| 1229 | 395870.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.54E-04 | 1.54E-04 |
| 1062 | 395720.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.52E-04 | 1.52E-04 |
| 937 | 395620.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.52E-04 | 1.52E-04 |
| 770 | 395470.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.51E-04 | 1.51E-04 |
| 1187 | 395820.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-04 | 1.50E-04 |
| 719 | 395320.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-04 | 1.50E-04 |
| 757 | 395420.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.47E-04 | 1.47E-04 |
| 895 | 395570.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.47E-04 | 1.47E-04 |
| 1145 | 395770.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.46E-04 | 1.46E-04 |
| 1020 | 395670.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.46E-04 | 1.46E-04 |
| 1312 | 395920.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.46E-04 | 1.46E-04 |
| 706 | 395270.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.45E-04 | 1.45E-04 |
| 744 | 395370.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.43E-04 | 1.43E-04 |
| 1270 | 395870.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.43E-04 | 1.43E-04 |
| 853 | 395520.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.43E-04 | 1.43E-04 |
| 1103 | 395720.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-04 | 1.41E-04 |
| 978 | 395620.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-04 | 1.41E-04 |
| 1228 | 395820.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.40E-04 | 1.40E-04 |
| 731 | 395320.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.40E-04 | 1.40E-04 |
| 811 | 395470.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.39E-04 | 1.39E-04 |
| 1186 | 395770.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.37E-04 | 1.37E-04 |
| 1061 | 395670.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-04 | 1.36E-04 |
| 936 | 395570.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-04 | 1.36E-04 |
| 718 | 395270.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-04 | 1.36E-04 |
| 769 | 395420.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-04 | 1.35E-04 |
| 1311 | 395870.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.34E-04 | 1.34E-04 |
| 756 | 395370.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.33E-04 | 1.33E-04 |
| 894 | 395520.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.32E-04 | 1.32E-04 |
| 1144 | 395720.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.32E-04 | 1.32E-04 |
| 1269 | 395820.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.31E-04 | 1.31E-04 |
| 1019 | 395620.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.31E-04 | 1.31E-04 |
| 743 | 395320.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-04 | 1.30E-04 |
| 852 | 395470.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.29E-04 | 1.29E-04 |
| 1227 | 395770.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.28E-04 | 1.28E-04 |
| 730 | 395270.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.27E-04 | 1.27E-04 |
| 810 | 395420.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-04 | 1.26E-04 |
| 1102 | 395670.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.24E-04 | 1.24E-04 |

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|---|---|---|---|---|---|
| 977 | 395570.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.24E-04 | 1.24E-04 |
| 768 | 395370.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.23E-04 | 1.23E-04 |
| 1185 | 395720.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-04 | 1.21E-04 |
| 755 | 395320.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-04 | 1.21E-04 |
| 1268 | 395770.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-04 | 1.21E-04 |
| 935 | 395520.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.20E-04 | 1.20E-04 |
| 1310 | 395820.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.20E-04 | 1.20E-04 |
| 1060 | 395620.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.19E-04 | 1.19E-04 |
| 742 | 395270.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.19E-04 | 1.19E-04 |
| 893 | 395470.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.17E-04 | 1.17E-04 |
| 1143 | 395670.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.16E-04 | 1.16E-04 |
| 1018 | 395570.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-04 | 1.15E-04 |
| 851 | 395420.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-04 | 1.15E-04 |
| 1226 | 395720.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-04 | 1.14E-04 |
| 809 | 395370.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.13E-04 | 1.13E-04 |
| 976 | 395520.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.11E-04 | 1.11E-04 |
| 767 | 395320.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.11E-04 | 1.11E-04 |
| 1101 | 395620.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.11E-04 | 1.11E-04 |
| 1309 | 395770.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.11E-04 | 1.11E-04 |
| 754 | 395270.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-04 | 1.10E-04 |
| 934 | 395470.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-04 | 1.09E-04 |
| 1184 | 395670.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-04 | 1.09E-04 |
| 1267 | 395720.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.08E-04 | 1.08E-04 |
| 892 | 395420.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-04 | 1.07E-04 |
| 1059 | 395570.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-04 | 1.07E-04 |
| 850 | 395370.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-04 | 1.05E-04 |
| 1142 | 395620.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.04E-04 | 1.04E-04 |
| 1017 | 395520.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.04E-04 | 1.04E-04 |
| 808 | 395320.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-04 | 1.03E-04 |
| 1225 | 395670.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-04 | 1.03E-04 |
| 1308 | 395720.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.02E-04 | 1.02E-04 |
| 766 | 395270.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.02E-04 | 1.02E-04 |
| 975 | 395470.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.02E-04 | 1.02E-04 |
| 1100 | 395570.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-04 | 1.01E-04 |
| 933 | 395420.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-04 | 1.01E-04 |
| 891 | 395370.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.93E-05 | 9.93E-05 |
| 1183 | 395620.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 9.87E-05 | 9.87E-05 |
| 1266 | 395670.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 9.84E-05 | 9.84E-05 |
| 1058 | 395520.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 9.82E-05 | 9.82E-05 |
| 849 | 395320.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 9.73E-05 | 9.73E-05 |
| 807 | 395270.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 9.59E-05 | 9.59E-05 |
| 1016 | 395470.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.58E-05 | 9.58E-05 |
| 1141 | 395570.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 9.51E-05 | 9.51E-05 |
| 974 | 395420.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 9.46E-05 | 9.46E-05 |
| 1307 | 395670.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 9.40E-05 | 9.40E-05 |
| 932 | 395370.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 9.38E-05 | 9.38E-05 |
| 1224 | 395620.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 9.38E-05 | 9.38E-05 |

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|---|---|---|---|---|---|
| 1099 | 395520.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 9.27E-05 | 9.27E-05 |
| 890 | 395320.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.22E-05 | 9.22E-05 |
| 848 | 395270.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 9.04E-05 | 9.04E-05 |
| 1057 | 395470.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 9.03E-05 | 9.03E-05 |
| 1182 | 395570.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 8.99E-05 | 8.99E-05 |
| 1265 | 395620.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 8.97E-05 | 8.97E-05 |
| 1015 | 395420.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 8.84E-05 | 8.84E-05 |
| 973 | 395370.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.75E-05 | 8.75E-05 |
| 1140 | 395520.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 8.72E-05 | 8.72E-05 |
| 931 | 395320.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.69E-05 | 8.69E-05 |
| 1306 | 395620.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 8.58E-05 | 8.58E-05 |
| 889 | 395270.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.53E-05 | 8.53E-05 |
| 1223 | 395570.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 8.51E-05 | 8.51E-05 |
| 1098 | 395470.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 8.47E-05 | 8.47E-05 |
| 1056 | 395420.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.30E-05 | 8.30E-05 |
| 1014 | 395370.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 8.24E-05 | 8.24E-05 |
| 972 | 395320.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.23E-05 | 8.23E-05 |
| 1181 | 395520.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 8.20E-05 | 8.20E-05 |
| 930 | 395270.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.13E-05 | 8.13E-05 |
| 1264 | 395570.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 8.12E-05 | 8.12E-05 |
| 1139 | 395470.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 8.02E-05 | 8.02E-05 |
| 1097 | 395420.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.86E-05 | 7.86E-05 |
| 1222 | 395520.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 7.79E-05 | 7.79E-05 |
| 1305 | 395570.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.79E-05 | 7.79E-05 |
| 1013 | 395320.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.76E-05 | 7.76E-05 |
| 1055 | 395370.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.76E-05 | 7.76E-05 |
| 971 | 395270.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.75E-05 | 7.75E-05 |
| 1180 | 395470.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 7.60E-05 | 7.60E-05 |
| 1138 | 395420.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 7.45E-05 | 7.45E-05 |
| 1263 | 395520.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 7.45E-05 | 7.45E-05 |
| 1096 | 395370.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.32E-05 | 7.32E-05 |
| 1012 | 395270.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.29E-05 | 7.29E-05 |
| 1054 | 395320.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.25E-05 | 7.25E-05 |
| 1221 | 395470.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 7.23E-05 | 7.23E-05 |
| 1304 | 395520.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.17E-05 | 7.17E-05 |
| 1179 | 395420.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 7.04E-05 | 7.04E-05 |
| 1137 | 395370.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.90E-05 | 6.90E-05 |
| 1262 | 395470.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 6.90E-05 | 6.90E-05 |
| 1053 | 395270.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 6.88E-05 | 6.88E-05 |
| 1095 | 395320.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.85E-05 | 6.85E-05 |
| 1220 | 395420.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 6.68E-05 | 6.68E-05 |
| 1178 | 395370.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.57E-05 | 6.57E-05 |
| 1303 | 395470.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.57E-05 | 6.57E-05 |
| 1136 | 395320.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.50E-05 | 6.50E-05 |
| 1094 | 395270.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.47E-05 | 6.47E-05 |
| 1261 | 395420.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 6.38E-05 | 6.38E-05 |
| 1219 | 395370.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 6.27E-05 | 6.27E-05 |

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|---|---|---|---|---|---|
| 1177 | 395320.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.12E-05 | 6.12E-05 |
| 1302 | 395420.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.12E-05 | 6.12E-05 |
| 1135 | 395270.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.10E-05 | 6.10E-05 |
| 1260 | 395370.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.99E-05 | 5.99E-05 |
| 1218 | 395320.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.84E-05 | 5.84E-05 |
| 1176 | 395270.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.80E-05 | 5.80E-05 |
| 1301 | 395370.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.73E-05 | 5.73E-05 |
| 1259 | 395320.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.59E-05 | 5.59E-05 |
| 1217 | 395270.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.53E-05 | 5.53E-05 |
| 1300 | 395320.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.37E-05 | 5.37E-05 |
| 1258 | 395270.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.29E-05 | 5.29E-05 |
| 1299 | 395270.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.08E-05 | 5.08E-05 |

to Minimum

**Edwards AFB Solar Facility Project - Construction HRA - Mitigated Non-Cancer Chronic Risk**

**HARP 2 - Air Dispersion Modeling and Risk Tool v17320
**2/7/2018
** Chronic Risk Results of All Discrete Sensitive Receptor Points Are Shown - Descending From Maximum to Minimum

| REC | X | Y | SCENARIO | RESP | MAXHI |
|---|---|---|---|---|---|
| 792 | 396570.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.46E-03 | 2.46E-03 |
| 790 | 396470.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.44E-03 | 2.44E-03 |
| 791 | 396520.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.44E-03 | 2.44E-03 |
| 793 | 396620.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.43E-03 | 2.43E-03 |
| 789 | 396420.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.41E-03 | 2.41E-03 |
| 788 | 396370.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.37E-03 | 2.37E-03 |
| 787 | 396320.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.31E-03 | 2.31E-03 |
| 786 | 396270.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.25E-03 | 2.25E-03 |
| 794 | 396668.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 2.15E-03 | 2.15E-03 |
| 785 | 396220.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.15E-03 | 2.15E-03 |
| 795 | 396718.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 2.10E-03 | 2.10E-03 |
| 784 | 396170.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.06E-03 | 2.06E-03 |
| 796 | 396768.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 1.96E-03 | 1.96E-03 |
| 783 | 396120.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.94E-03 | 1.94E-03 |
| 782 | 396070.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.78E-03 | 1.78E-03 |
| 834 | 396620.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.69E-03 | 1.69E-03 |
| 833 | 396570.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.69E-03 | 1.69E-03 |
| 832 | 396520.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.68E-03 | 1.68E-03 |
| 835 | 396670.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.67E-03 | 1.67E-03 |
| 797 | 396818.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 1.66E-03 | 1.66E-03 |
| 831 | 396470.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.66E-03 | 1.66E-03 |
| 836 | 396720.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-03 | 1.64E-03 |
| 830 | 396420.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-03 | 1.62E-03 |
| 781 | 396020.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.60E-03 | 1.60E-03 |
| 829 | 396370.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-03 | 1.58E-03 |
| 837 | 396770.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.56E-03 | 1.56E-03 |
| 828 | 396320.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.53E-03 | 1.53E-03 |
| 609 | 395820.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-03 | 1.50E-03 |
| 597 | 395820.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-03 | 1.49E-03 |
| 621 | 395820.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-03 | 1.49E-03 |
| 633 | 395820.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.48E-03 | 1.48E-03 |
| 585 | 395820.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.48E-03 | 1.48E-03 |
| 827 | 396270.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.46E-03 | 1.46E-03 |
| 645 | 395820.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.46E-03 | 1.46E-03 |
| 573 | 395820.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.45E-03 | 1.45E-03 |
| 657 | 395820.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.43E-03 | 1.43E-03 |
| 838 | 396820.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-03 | 1.41E-03 |
| 669 | 395820.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.40E-03 | 1.40E-03 |
| 826 | 396220.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.39E-03 | 1.39E-03 |
| 561 | 395820.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.39E-03 | 1.39E-03 |
| 780 | 395970.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-03 | 1.36E-03 |
| 681 | 395820.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-03 | 1.36E-03 |
| 798 | 396868.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-03 | 1.35E-03 |
| 875 | 396620.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.31E-03 | 1.31E-03 |
| 876 | 396670.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-03 | 1.30E-03 |

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|---|---|---|---|---|---|
| 693 | 395820.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-03 | 1.30E-03 |
| 825 | 396170.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-03 | 1.30E-03 |
| 874 | 396570.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-03 | 1.30E-03 |
| 873 | 396520.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.28E-03 | 1.28E-03 |
| 877 | 396720.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.28E-03 | 1.28E-03 |
| 872 | 396470.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-03 | 1.26E-03 |
| 878 | 396770.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.24E-03 | 1.24E-03 |
| 705 | 395820.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.23E-03 | 1.23E-03 |
| 839 | 396870.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.23E-03 | 1.23E-03 |
| 871 | 396420.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.22E-03 | 1.22E-03 |
| 549 | 395820.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-03 | 1.21E-03 |
| 824 | 396120.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.19E-03 | 1.19E-03 |
| 870 | 396370.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.18E-03 | 1.18E-03 |
| 879 | 396820.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.17E-03 | 1.17E-03 |
| 717 | 395820.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.16E-03 | 1.16E-03 |
| 799 | 396918.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-03 | 1.15E-03 |
| 869 | 396320.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.13E-03 | 1.13E-03 |
| 840 | 396920.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-03 | 1.07E-03 |
| 880 | 396870.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-03 | 1.07E-03 |
| 868 | 396270.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-03 | 1.07E-03 |
| 823 | 396070.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-03 | 1.07E-03 |
| 729 | 395820.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-03 | 1.07E-03 |
| 917 | 396670.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.06E-03 | 1.06E-03 |
| 916 | 396620.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.06E-03 | 1.06E-03 |
| 918 | 396720.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-03 | 1.05E-03 |
| 915 | 396570.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-03 | 1.05E-03 |
| 919 | 396770.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-03 | 1.03E-03 |
| 914 | 396520.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-03 | 1.03E-03 |
| 779 | 395920.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-03 | 1.01E-03 |
| 867 | 396220.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.00E-03 | 1.00E-03 |
| 913 | 396470.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.00E-03 | 1.00E-03 |
| 800 | 396968.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 9.95E-04 | 9.95E-04 |
| 920 | 396820.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.87E-04 | 9.87E-04 |
| 537 | 395820.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 9.82E-04 | 9.82E-04 |
| 596 | 395770.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 9.81E-04 | 9.81E-04 |
| 608 | 395770.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.79E-04 | 9.79E-04 |
| 584 | 395770.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 9.76E-04 | 9.76E-04 |
| 620 | 395770.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 9.70E-04 | 9.70E-04 |
| 912 | 396420.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.67E-04 | 9.67E-04 |
| 881 | 396920.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 9.66E-04 | 9.66E-04 |
| 572 | 395770.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.61E-04 | 9.61E-04 |
| 632 | 395770.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 9.56E-04 | 9.56E-04 |
| 741 | 395820.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 9.44E-04 | 9.44E-04 |
| 841 | 396970.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 9.41E-04 | 9.41E-04 |
| 644 | 395770.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 9.38E-04 | 9.38E-04 |
| 560 | 395770.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 9.29E-04 | 9.29E-04 |
| 921 | 396870.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.29E-04 | 9.29E-04 |
| 911 | 396370.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.25E-04 | 9.25E-04 |
| 866 | 396170.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 9.22E-04 | 9.22E-04 |
| 822 | 396020.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 9.21E-04 | 9.21E-04 |
| 656 | 395770.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 9.13E-04 | 9.13E-04 |
| 668 | 395770.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 8.84E-04 | 8.84E-04 |

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| 958 | 396670.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.83E-04 | 8.83E-04 |
| 959 | 396720.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.81E-04 | 8.81E-04 |
| 910 | 396320.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.79E-04 | 8.79E-04 |
| 957 | 396620.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.78E-04 | 8.78E-04 |
| 801 | 397018.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 8.72E-04 | 8.72E-04 |
| 960 | 396770.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.70E-04 | 8.70E-04 |
| 548 | 395770.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 8.70E-04 | 8.70E-04 |
| 882 | 396970.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 8.67E-04 | 8.67E-04 |
| 956 | 396570.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.65E-04 | 8.65E-04 |
| 922 | 396920.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.61E-04 | 8.61E-04 |
| 961 | 396820.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.48E-04 | 8.48E-04 |
| 955 | 396520.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.45E-04 | 8.45E-04 |
| 680 | 395770.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 8.40E-04 | 8.40E-04 |
| 842 | 397020.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 8.34E-04 | 8.34E-04 |
| 865 | 396120.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 8.32E-04 | 8.32E-04 |
| 909 | 396270.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.26E-04 | 8.26E-04 |
| 525 | 395820.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 8.21E-04 | 8.21E-04 |
| 954 | 396470.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.18E-04 | 8.18E-04 |
| 962 | 396870.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.13E-04 | 8.13E-04 |
| 692 | 395770.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.97E-04 | 7.97E-04 |
| 923 | 396970.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 7.90E-04 | 7.90E-04 |
| 953 | 396420.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.86E-04 | 7.86E-04 |
| 536 | 395770.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 7.83E-04 | 7.83E-04 |
| 883 | 397020.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 7.79E-04 | 7.79E-04 |
| 802 | 397068.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 7.70E-04 | 7.70E-04 |
| 753 | 395820.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 7.69E-04 | 7.69E-04 |
| 963 | 396920.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.67E-04 | 7.67E-04 |
| 908 | 396220.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-04 | 7.63E-04 |
| 1000 | 396720.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.53E-04 | 7.53E-04 |
| 999 | 396670.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.51E-04 | 7.51E-04 |
| 1001 | 396770.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.49E-04 | 7.49E-04 |
| 952 | 396370.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.49E-04 | 7.49E-04 |
| 704 | 395770.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 7.47E-04 | 7.47E-04 |
| 821 | 395970.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 7.46E-04 | 7.46E-04 |
| 998 | 396620.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.43E-04 | 7.43E-04 |
| 843 | 397070.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 7.41E-04 | 7.41E-04 |
| 1002 | 396820.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.36E-04 | 7.36E-04 |
| 864 | 396070.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 7.32E-04 | 7.32E-04 |
| 583 | 395720.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.31E-04 | 7.31E-04 |
| 595 | 395720.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.31E-04 | 7.31E-04 |
| 997 | 396570.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.29E-04 | 7.29E-04 |
| 571 | 395720.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 7.27E-04 | 7.27E-04 |
| 607 | 395720.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.27E-04 | 7.27E-04 |
| 924 | 397020.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 7.22E-04 | 7.22E-04 |
| 619 | 395720.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.19E-04 | 7.19E-04 |
| 964 | 396970.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.17E-04 | 7.17E-04 |
| 1003 | 396870.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.15E-04 | 7.15E-04 |
| 559 | 395720.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 7.12E-04 | 7.12E-04 |
| 996 | 396520.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.07E-04 | 7.07E-04 |
| 513 | 395820.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 7.07E-04 | 7.07E-04 |
| 951 | 396320.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.06E-04 | 7.06E-04 |
| 631 | 395720.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.02E-04 | 7.02E-04 |

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|---|---|---|---|---|---|
| 884 | 397070.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 7.01E-04 | 7.01E-04 |
| 524 | 395770.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 6.96E-04 | 6.96E-04 |
| 907 | 396170.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.95E-04 | 6.95E-04 |
| 716 | 395770.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.88E-04 | 6.88E-04 |
| 1004 | 396920.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.86E-04 | 6.86E-04 |
| 803 | 397118.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 6.86E-04 | 6.86E-04 |
| 547 | 395720.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 6.84E-04 | 6.84E-04 |
| 995 | 396470.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.82E-04 | 6.82E-04 |
| 643 | 395720.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.82E-04 | 6.82E-04 |
| 965 | 397020.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.65E-04 | 6.65E-04 |
| 844 | 397120.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 6.63E-04 | 6.63E-04 |
| 655 | 395720.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.60E-04 | 6.60E-04 |
| 925 | 397070.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.58E-04 | 6.58E-04 |
| 950 | 396270.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.57E-04 | 6.57E-04 |
| 994 | 396420.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.53E-04 | 6.53E-04 |
| 1042 | 396770.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.51E-04 | 6.51E-04 |
| 1041 | 396720.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.51E-04 | 6.51E-04 |
| 1005 | 396970.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.49E-04 | 6.49E-04 |
| 1040 | 396670.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.46E-04 | 6.46E-04 |
| 1043 | 396820.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.46E-04 | 6.46E-04 |
| 535 | 395720.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 6.42E-04 | 6.42E-04 |
| 1039 | 396620.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.36E-04 | 6.36E-04 |
| 1044 | 396870.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.33E-04 | 6.33E-04 |
| 885 | 397120.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 6.32E-04 | 6.32E-04 |
| 667 | 395720.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 6.31E-04 | 6.31E-04 |
| 906 | 396120.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.22E-04 | 6.22E-04 |
| 501 | 395820.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 6.21E-04 | 6.21E-04 |
| 1038 | 396570.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.21E-04 | 6.21E-04 |
| 512 | 395770.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 6.20E-04 | 6.20E-04 |
| 863 | 396020.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 6.20E-04 | 6.20E-04 |
| 993 | 396370.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.19E-04 | 6.19E-04 |
| 728 | 395770.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 6.18E-04 | 6.18E-04 |
| 966 | 397070.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.14E-04 | 6.14E-04 |
| 804 | 397168.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 6.14E-04 | 6.14E-04 |
| 1045 | 396920.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.14E-04 | 6.14E-04 |
| 1006 | 397020.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.11E-04 | 6.11E-04 |
| 949 | 396220.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.03E-04 | 6.03E-04 |
| 1037 | 396520.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.02E-04 | 6.02E-04 |
| 679 | 395720.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.99E-04 | 5.99E-04 |
| 926 | 397120.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.99E-04 | 5.99E-04 |
| 845 | 397170.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.96E-04 | 5.96E-04 |
| 523 | 395720.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 5.92E-04 | 5.92E-04 |
| 1046 | 396970.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.89E-04 | 5.89E-04 |
| 778 | 395870.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 5.82E-04 | 5.82E-04 |
| 582 | 395670.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.82E-04 | 5.82E-04 |
| 570 | 395670.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.80E-04 | 5.80E-04 |
| 992 | 396320.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.79E-04 | 5.79E-04 |
| 594 | 395670.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.78E-04 | 5.78E-04 |
| 1036 | 396470.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.78E-04 | 5.78E-04 |
| 558 | 395670.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 5.73E-04 | 5.73E-04 |
| 886 | 397170.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 5.72E-04 | 5.72E-04 |
| 1083 | 396770.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.72E-04 | 5.72E-04 |

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| 1007 | 397070.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.71E-04 | 5.71E-04 |
| 606 | 395670.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.71E-04 | 5.71E-04 |
| 1084 | 396820.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.70E-04 | 5.70E-04 |
| 1082 | 396720.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.69E-04 | 5.69E-04 |
| 967 | 397120.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.65E-04 | 5.65E-04 |
| 1085 | 396870.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.63E-04 | 5.63E-04 |
| 691 | 395720.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.63E-04 | 5.63E-04 |
| 1081 | 396670.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.61E-04 | 5.61E-04 |
| 546 | 395670.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.61E-04 | 5.61E-04 |
| 1047 | 397020.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.60E-04 | 5.60E-04 |
| 618 | 395670.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.59E-04 | 5.59E-04 |
| 500 | 395770.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 5.56E-04 | 5.56E-04 |
| 489 | 395820.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 5.52E-04 | 5.52E-04 |
| 1086 | 396920.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.51E-04 | 5.51E-04 |
| 1035 | 396420.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.51E-04 | 5.51E-04 |
| 805 | 397218.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 5.51E-04 | 5.51E-04 |
| 1080 | 396620.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.50E-04 | 5.50E-04 |
| 927 | 397170.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.47E-04 | 5.47E-04 |
| 948 | 396170.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.46E-04 | 5.46E-04 |
| 820 | 395920.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.46E-04 | 5.46E-04 |
| 630 | 395670.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.45E-04 | 5.45E-04 |
| 511 | 395720.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 5.44E-04 | 5.44E-04 |
| 905 | 396070.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.41E-04 | 5.41E-04 |
| 534 | 395670.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 5.39E-04 | 5.39E-04 |
| 846 | 397220.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.37E-04 | 5.37E-04 |
| 1079 | 396570.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.36E-04 | 5.36E-04 |
| 991 | 396270.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.35E-04 | 5.35E-04 |
| 1087 | 396970.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.34E-04 | 5.34E-04 |
| 765 | 395820.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 5.31E-04 | 5.31E-04 |
| 1008 | 397120.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.30E-04 | 5.30E-04 |
| 740 | 395770.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 5.30E-04 | 5.30E-04 |
| 1048 | 397070.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.29E-04 | 5.29E-04 |
| 642 | 395670.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.27E-04 | 5.27E-04 |
| 703 | 395720.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 5.21E-04 | 5.21E-04 |
| 968 | 397170.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.20E-04 | 5.20E-04 |
| 887 | 397220.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 5.19E-04 | 5.19E-04 |
| 1034 | 396370.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.18E-04 | 5.18E-04 |
| 1078 | 396520.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.17E-04 | 5.17E-04 |
| 1088 | 397020.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.14E-04 | 5.14E-04 |
| 522 | 395670.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 5.10E-04 | 5.10E-04 |
| 1125 | 396820.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.07E-04 | 5.07E-04 |
| 654 | 395670.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.06E-04 | 5.06E-04 |
| 1124 | 396770.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.06E-04 | 5.06E-04 |
| 1126 | 396870.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.03E-04 | 5.03E-04 |
| 488 | 395770.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 5.03E-04 | 5.03E-04 |
| 1123 | 396720.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.01E-04 | 5.01E-04 |
| 928 | 397220.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.00E-04 | 5.00E-04 |
| 499 | 395720.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 4.98E-04 | 4.98E-04 |
| 806 | 397268.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 4.97E-04 | 4.97E-04 |
| 1049 | 397120.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.97E-04 | 4.97E-04 |
| 1127 | 396920.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.95E-04 | 4.95E-04 |
| 1077 | 396470.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.95E-04 | 4.95E-04 |

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|---|---|---|---|---|---|
| 862 | 395970.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 4.95E-04 | 4.95E-04 |
| 477 | 395820.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 4.95E-04 | 4.95E-04 |
| 1009 | 397170.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 4.92E-04 | 4.92E-04 |
| 1122 | 396670.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.92E-04 | 4.92E-04 |
| 1089 | 397070.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.90E-04 | 4.90E-04 |
| 990 | 396220.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 4.90E-04 | 4.90E-04 |
| 847 | 397270.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 4.87E-04 | 4.87E-04 |
| 947 | 396120.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 4.85E-04 | 4.85E-04 |
| 1128 | 396970.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.84E-04 | 4.84E-04 |
| 1033 | 396320.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.83E-04 | 4.83E-04 |
| 666 | 395670.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.82E-04 | 4.82E-04 |
| 1121 | 396620.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.81E-04 | 4.81E-04 |
| 569 | 395620.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 4.80E-04 | 4.80E-04 |
| 969 | 397220.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 4.79E-04 | 4.79E-04 |
| 581 | 395620.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 4.79E-04 | 4.79E-04 |
| 557 | 395620.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 4.78E-04 | 4.78E-04 |
| 510 | 395670.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 4.78E-04 | 4.78E-04 |
| 593 | 395620.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 4.73E-04 | 4.73E-04 |
| 715 | 395720.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 4.73E-04 | 4.73E-04 |
| 888 | 397270.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 4.73E-04 | 4.73E-04 |
| 545 | 395620.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 4.71E-04 | 4.71E-04 |
| 1129 | 397020.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.70E-04 | 4.70E-04 |
| 1076 | 396420.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.69E-04 | 4.69E-04 |
| 1120 | 396570.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.66E-04 | 4.66E-04 |
| 1050 | 397170.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.65E-04 | 4.65E-04 |
| 605 | 395620.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.65E-04 | 4.65E-04 |
| 1090 | 397120.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.64E-04 | 4.64E-04 |
| 533 | 395620.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 4.58E-04 | 4.58E-04 |
| 929 | 397270.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 4.57E-04 | 4.57E-04 |
| 487 | 395720.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 4.57E-04 | 4.57E-04 |
| 1010 | 397220.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 4.57E-04 | 4.57E-04 |
| 476 | 395770.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 4.55E-04 | 4.55E-04 |
| 904 | 396020.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 4.54E-04 | 4.54E-04 |
| 678 | 395670.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.54E-04 | 4.54E-04 |
| 617 | 395620.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.53E-04 | 4.53E-04 |
| 1166 | 396820.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.53E-04 | 4.53E-04 |
| 1130 | 397070.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.53E-04 | 4.53E-04 |
| 1167 | 396870.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.52E-04 | 4.52E-04 |
| 1165 | 396770.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.50E-04 | 4.50E-04 |
| 1119 | 396520.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.49E-04 | 4.49E-04 |
| 1168 | 396920.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.48E-04 | 4.48E-04 |
| 465 | 395820.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 4.47E-04 | 4.47E-04 |
| 498 | 395670.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 4.46E-04 | 4.46E-04 |
| 1032 | 396270.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.46E-04 | 4.46E-04 |
| 1164 | 396720.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.44E-04 | 4.44E-04 |
| 521 | 395620.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 4.44E-04 | 4.44E-04 |
| 989 | 396170.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 4.41E-04 | 4.41E-04 |
| 970 | 397270.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 4.41E-04 | 4.41E-04 |
| 1169 | 396970.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.40E-04 | 4.40E-04 |
| 1075 | 396370.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.40E-04 | 4.40E-04 |
| 629 | 395620.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.39E-04 | 4.39E-04 |
| 1091 | 397170.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.38E-04 | 4.38E-04 |

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|---|---|---|---|---|---|
| 1051 | 397220.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.35E-04 | 4.35E-04 |
| 1163 | 396670.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.35E-04 | 4.35E-04 |
| 1131 | 397120.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.33E-04 | 4.33E-04 |
| 752 | 395770.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 4.31E-04 | 4.31E-04 |
| 1170 | 397020.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.31E-04 | 4.31E-04 |
| 1118 | 396470.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.27E-04 | 4.27E-04 |
| 1011 | 397270.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 4.23E-04 | 4.23E-04 |
| 1162 | 396620.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.23E-04 | 4.23E-04 |
| 509 | 395620.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 4.23E-04 | 4.23E-04 |
| 641 | 395620.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.23E-04 | 4.23E-04 |
| 690 | 395670.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.23E-04 | 4.23E-04 |
| 946 | 396070.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 4.21E-04 | 4.21E-04 |
| 475 | 395720.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 4.20E-04 | 4.20E-04 |
| 727 | 395720.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 4.18E-04 | 4.18E-04 |
| 1171 | 397070.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.18E-04 | 4.18E-04 |
| 486 | 395670.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 4.16E-04 | 4.16E-04 |
| 464 | 395770.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 4.13E-04 | 4.13E-04 |
| 1092 | 397220.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.12E-04 | 4.12E-04 |
| 1132 | 397170.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.12E-04 | 4.12E-04 |
| 1074 | 396320.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.09E-04 | 4.09E-04 |
| 1161 | 396570.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.09E-04 | 4.09E-04 |
| 1208 | 396870.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.08E-04 | 4.08E-04 |
| 1207 | 396820.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.07E-04 | 4.07E-04 |
| 453 | 395820.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.07E-04 | 4.07E-04 |
| 556 | 395570.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 4.07E-04 | 4.07E-04 |
| 1031 | 396220.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.06E-04 | 4.06E-04 |
| 1209 | 396920.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.06E-04 | 4.06E-04 |
| 568 | 395570.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 4.06E-04 | 4.06E-04 |
| 1052 | 397270.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.05E-04 | 4.05E-04 |
| 544 | 395570.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 4.04E-04 | 4.04E-04 |
| 653 | 395620.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.04E-04 | 4.04E-04 |
| 1117 | 396420.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.03E-04 | 4.03E-04 |
| 1172 | 397120.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.03E-04 | 4.03E-04 |
| 1206 | 396770.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.03E-04 | 4.03E-04 |
| 580 | 395570.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 4.02E-04 | 4.02E-04 |
| 1210 | 396970.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.01E-04 | 4.01E-04 |
| 497 | 395620.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 4.00E-04 | 4.00E-04 |
| 532 | 395570.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.97E-04 | 3.97E-04 |
| 1205 | 396720.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.96E-04 | 3.96E-04 |
| 592 | 395570.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.95E-04 | 3.95E-04 |
| 1211 | 397020.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.95E-04 | 3.95E-04 |
| 1160 | 396520.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.91E-04 | 3.91E-04 |
| 988 | 396120.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.91E-04 | 3.91E-04 |
| 1133 | 397220.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.90E-04 | 3.90E-04 |
| 520 | 395570.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.87E-04 | 3.87E-04 |
| 702 | 395670.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.87E-04 | 3.87E-04 |
| 474 | 395670.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 3.87E-04 | 3.87E-04 |
| 1093 | 397270.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.87E-04 | 3.87E-04 |
| 604 | 395570.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.87E-04 | 3.87E-04 |
| 1173 | 397170.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.86E-04 | 3.86E-04 |
| 1204 | 396670.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.86E-04 | 3.86E-04 |
| 1212 | 397070.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.86E-04 | 3.86E-04 |

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|---|---|---|---|---|---|
| 463 | 395720.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.86E-04 | 3.86E-04 |
| 861 | 395920.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 3.83E-04 | 3.83E-04 |
| 665 | 395620.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.82E-04 | 3.82E-04 |
| 819 | 395870.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 3.82E-04 | 3.82E-04 |
| 452 | 395770.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.80E-04 | 3.80E-04 |
| 1116 | 396370.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.78E-04 | 3.78E-04 |
| 1073 | 396270.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.77E-04 | 3.77E-04 |
| 485 | 395620.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.77E-04 | 3.77E-04 |
| 616 | 395570.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.75E-04 | 3.75E-04 |
| 1213 | 397120.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.75E-04 | 3.75E-04 |
| 508 | 395570.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 3.74E-04 | 3.74E-04 |
| 1203 | 396620.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.74E-04 | 3.74E-04 |
| 1159 | 396470.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.72E-04 | 3.72E-04 |
| 903 | 395970.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 3.71E-04 | 3.71E-04 |
| 1249 | 396870.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.70E-04 | 3.70E-04 |
| 1250 | 396920.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.69E-04 | 3.69E-04 |
| 1134 | 397270.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.68E-04 | 3.68E-04 |
| 1174 | 397220.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.68E-04 | 3.68E-04 |
| 1248 | 396820.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.67E-04 | 3.67E-04 |
| 1251 | 396970.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.67E-04 | 3.67E-04 |
| 1030 | 396170.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.65E-04 | 3.65E-04 |
| 1252 | 397020.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.62E-04 | 3.62E-04 |
| 1247 | 396770.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.62E-04 | 3.62E-04 |
| 1214 | 397170.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.62E-04 | 3.62E-04 |
| 628 | 395570.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.61E-04 | 3.61E-04 |
| 777 | 395820.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.60E-04 | 3.60E-04 |
| 496 | 395570.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 3.60E-04 | 3.60E-04 |
| 1202 | 396570.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.60E-04 | 3.60E-04 |
| 739 | 395720.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 3.60E-04 | 3.60E-04 |
| 462 | 395670.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.59E-04 | 3.59E-04 |
| 451 | 395720.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.57E-04 | 3.57E-04 |
| 1253 | 397070.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.56E-04 | 3.56E-04 |
| 677 | 395620.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.56E-04 | 3.56E-04 |
| 473 | 395620.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 3.55E-04 | 3.55E-04 |
| 945 | 396020.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 3.55E-04 | 3.55E-04 |
| 1246 | 396720.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.54E-04 | 3.54E-04 |
| 1115 | 396320.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.51E-04 | 3.51E-04 |
| 1158 | 396420.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.51E-04 | 3.51E-04 |
| 555 | 395520.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 3.50E-04 | 3.50E-04 |
| 1175 | 397270.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.50E-04 | 3.50E-04 |
| 543 | 395520.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 3.50E-04 | 3.50E-04 |
| 714 | 395670.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 3.49E-04 | 3.49E-04 |
| 1254 | 397120.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.48E-04 | 3.48E-04 |
| 567 | 395520.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 3.48E-04 | 3.48E-04 |
| 1215 | 397220.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.48E-04 | 3.48E-04 |
| 531 | 395520.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.47E-04 | 3.47E-04 |
| 640 | 395570.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.45E-04 | 3.45E-04 |
| 1245 | 396670.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.45E-04 | 3.45E-04 |
| 1201 | 396520.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.44E-04 | 3.44E-04 |
| 1072 | 396220.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.43E-04 | 3.43E-04 |
| 484 | 395570.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.43E-04 | 3.43E-04 |
| 579 | 395520.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 3.42E-04 | 3.42E-04 |

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|---|---|---|---|---|---|
| 519 | 395520.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.41E-04 | 3.41E-04 |
| 1255 | 397170.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.39E-04 | 3.39E-04 |
| 987 | 396070.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.38E-04 | 3.38E-04 |
| 1291 | 396920.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.37E-04 | 3.37E-04 |
| 1290 | 396870.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.36E-04 | 3.36E-04 |
| 1292 | 396970.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.36E-04 | 3.36E-04 |
| 591 | 395520.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.35E-04 | 3.35E-04 |
| 764 | 395770.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.35E-04 | 3.35E-04 |
| 450 | 395670.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.34E-04 | 3.34E-04 |
| 461 | 395620.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.34E-04 | 3.34E-04 |
| 507 | 395520.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 3.33E-04 | 3.33E-04 |
| 1293 | 397020.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.33E-04 | 3.33E-04 |
| 1289 | 396820.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.33E-04 | 3.33E-04 |
| 1244 | 396620.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.32E-04 | 3.32E-04 |
| 1216 | 397270.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.32E-04 | 3.32E-04 |
| 689 | 395620.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.30E-04 | 3.30E-04 |
| 1294 | 397070.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.29E-04 | 3.29E-04 |
| 1157 | 396370.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.28E-04 | 3.28E-04 |
| 652 | 395570.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.28E-04 | 3.28E-04 |
| 1256 | 397220.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.27E-04 | 3.27E-04 |
| 1200 | 396470.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.27E-04 | 3.27E-04 |
| 1288 | 396770.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.27E-04 | 3.27E-04 |
| 472 | 395570.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 3.25E-04 | 3.25E-04 |
| 603 | 395520.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.25E-04 | 3.25E-04 |
| 1029 | 396120.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.24E-04 | 3.24E-04 |
| 1295 | 397120.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.24E-04 | 3.24E-04 |
| 1114 | 396270.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.23E-04 | 3.23E-04 |
| 495 | 395520.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 3.23E-04 | 3.23E-04 |
| 1243 | 396570.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.19E-04 | 3.19E-04 |
| 1287 | 396720.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.18E-04 | 3.18E-04 |
| 1296 | 397170.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.16E-04 | 3.16E-04 |
| 1257 | 397270.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.14E-04 | 3.14E-04 |
| 449 | 395620.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.14E-04 | 3.14E-04 |
| 615 | 395520.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.14E-04 | 3.14E-04 |
| 483 | 395520.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.11E-04 | 3.11E-04 |
| 726 | 395670.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.10E-04 | 3.10E-04 |
| 664 | 395570.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.09E-04 | 3.09E-04 |
| 460 | 395570.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.09E-04 | 3.09E-04 |
| 1071 | 396170.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.09E-04 | 3.09E-04 |
| 1333 | 396970.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.08E-04 | 3.08E-04 |
| 1332 | 396920.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.08E-04 | 3.08E-04 |
| 1286 | 396670.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.08E-04 | 3.08E-04 |
| 1199 | 396420.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.08E-04 | 3.08E-04 |
| 1297 | 397220.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.08E-04 | 3.08E-04 |
| 1334 | 397020.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.07E-04 | 3.07E-04 |
| 542 | 395470.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 3.06E-04 | 3.06E-04 |
| 1331 | 396870.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.06E-04 | 3.06E-04 |
| 530 | 395470.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.05E-04 | 3.05E-04 |
| 1242 | 396520.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.05E-04 | 3.05E-04 |
| 1335 | 397070.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.05E-04 | 3.05E-04 |
| 1156 | 396320.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.05E-04 | 3.05E-04 |
| 554 | 395470.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 3.03E-04 | 3.03E-04 |

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|---|---|---|---|---|---|
| 518 | 395470.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.03E-04 | 3.03E-04 |
| 701 | 395620.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 3.02E-04 | 3.02E-04 |
| 627 | 395520.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.02E-04 | 3.02E-04 |
| 1330 | 396820.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.02E-04 | 3.02E-04 |
| 1336 | 397120.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.01E-04 | 3.01E-04 |
| 751 | 395720.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 3.01E-04 | 3.01E-04 |
| 566 | 395470.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 3.00E-04 | 3.00E-04 |
| 902 | 395920.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.99E-04 | 2.99E-04 |
| 471 | 395520.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.98E-04 | 2.98E-04 |
| 506 | 395470.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 2.98E-04 | 2.98E-04 |
| 1298 | 397270.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.97E-04 | 2.97E-04 |
| 1285 | 396620.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.97E-04 | 2.97E-04 |
| 944 | 395970.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.97E-04 | 2.97E-04 |
| 1337 | 397170.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.96E-04 | 2.96E-04 |
| 1329 | 396770.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.95E-04 | 2.95E-04 |
| 860 | 395870.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.95E-04 | 2.95E-04 |
| 1113 | 396220.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.94E-04 | 2.94E-04 |
| 578 | 395470.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.94E-04 | 2.94E-04 |
| 448 | 395570.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.93E-04 | 2.93E-04 |
| 494 | 395470.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 2.92E-04 | 2.92E-04 |
| 986 | 396020.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.91E-04 | 2.91E-04 |
| 1241 | 396470.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.89E-04 | 2.89E-04 |
| 676 | 395570.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.89E-04 | 2.89E-04 |
| 1338 | 397220.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.89E-04 | 2.89E-04 |
| 639 | 395520.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.88E-04 | 2.88E-04 |
| 1198 | 396370.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.88E-04 | 2.88E-04 |
| 1328 | 396720.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.87E-04 | 2.87E-04 |
| 590 | 395470.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.86E-04 | 2.86E-04 |
| 459 | 395520.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.85E-04 | 2.85E-04 |
| 1284 | 396570.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.85E-04 | 2.85E-04 |
| 482 | 395470.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 2.83E-04 | 2.83E-04 |
| 1028 | 396070.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.82E-04 | 2.82E-04 |
| 818 | 395820.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.82E-04 | 2.82E-04 |
| 1339 | 397270.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.81E-04 | 2.81E-04 |
| 1155 | 396270.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.80E-04 | 2.80E-04 |
| 602 | 395470.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.78E-04 | 2.78E-04 |
| 1327 | 396670.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.77E-04 | 2.77E-04 |
| 470 | 395470.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.74E-04 | 2.74E-04 |
| 1070 | 396120.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.73E-04 | 2.73E-04 |
| 651 | 395520.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.73E-04 | 2.73E-04 |
| 713 | 395620.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.73E-04 | 2.73E-04 |
| 447 | 395520.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.72E-04 | 2.72E-04 |
| 1240 | 396420.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.72E-04 | 2.72E-04 |
| 1283 | 396520.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.72E-04 | 2.72E-04 |
| 529 | 395420.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.70E-04 | 2.70E-04 |
| 738 | 395670.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 2.69E-04 | 2.69E-04 |
| 517 | 395420.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 2.69E-04 | 2.69E-04 |
| 541 | 395420.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.69E-04 | 2.69E-04 |
| 614 | 395470.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.68E-04 | 2.68E-04 |
| 688 | 395570.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.67E-04 | 2.67E-04 |
| 505 | 395420.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 2.67E-04 | 2.67E-04 |
| 1326 | 396620.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.67E-04 | 2.67E-04 |

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|---|---|---|---|---|---|
| 1197 | 396320.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.66E-04 | 2.66E-04 |
| 553 | 395420.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.66E-04 | 2.66E-04 |
| 1112 | 396170.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.65E-04 | 2.65E-04 |
| 776 | 395770.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.64E-04 | 2.64E-04 |
| 493 | 395420.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 2.63E-04 | 2.63E-04 |
| 458 | 395470.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.63E-04 | 2.63E-04 |
| 565 | 395420.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.62E-04 | 2.62E-04 |
| 481 | 395420.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 2.58E-04 | 2.58E-04 |
| 663 | 395520.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.57E-04 | 2.57E-04 |
| 626 | 395470.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.57E-04 | 2.57E-04 |
| 1282 | 396470.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.56E-04 | 2.56E-04 |
| 577 | 395420.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.56E-04 | 2.56E-04 |
| 1154 | 396220.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.55E-04 | 2.55E-04 |
| 1325 | 396570.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.54E-04 | 2.54E-04 |
| 446 | 395470.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.53E-04 | 2.53E-04 |
| 1239 | 396370.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.53E-04 | 2.53E-04 |
| 469 | 395420.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.52E-04 | 2.52E-04 |
| 763 | 395720.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 2.49E-04 | 2.49E-04 |
| 589 | 395420.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.48E-04 | 2.48E-04 |
| 985 | 395970.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.48E-04 | 2.48E-04 |
| 943 | 395920.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.47E-04 | 2.47E-04 |
| 1027 | 396020.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.45E-04 | 2.45E-04 |
| 700 | 395570.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.44E-04 | 2.44E-04 |
| 1196 | 396270.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.44E-04 | 2.44E-04 |
| 638 | 395470.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.44E-04 | 2.44E-04 |
| 457 | 395420.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.43E-04 | 2.43E-04 |
| 725 | 395620.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 2.43E-04 | 2.43E-04 |
| 1324 | 396520.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.42E-04 | 2.42E-04 |
| 901 | 395870.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.42E-04 | 2.42E-04 |
| 1069 | 396070.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.41E-04 | 2.41E-04 |
| 1281 | 396420.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.41E-04 | 2.41E-04 |
| 516 | 395370.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 2.41E-04 | 2.41E-04 |
| 528 | 395370.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.40E-04 | 2.40E-04 |
| 504 | 395370.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 2.40E-04 | 2.40E-04 |
| 601 | 395420.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.40E-04 | 2.40E-04 |
| 675 | 395520.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.40E-04 | 2.40E-04 |
| 540 | 395370.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.39E-04 | 2.39E-04 |
| 492 | 395370.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 2.38E-04 | 2.38E-04 |
| 1111 | 396120.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.36E-04 | 2.36E-04 |
| 552 | 395370.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.35E-04 | 2.35E-04 |
| 480 | 395370.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 2.35E-04 | 2.35E-04 |
| 445 | 395420.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.35E-04 | 2.35E-04 |
| 1238 | 396320.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.35E-04 | 2.35E-04 |
| 859 | 395820.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.33E-04 | 2.33E-04 |
| 650 | 395470.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.31E-04 | 2.31E-04 |
| 750 | 395670.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 2.31E-04 | 2.31E-04 |
| 613 | 395420.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.31E-04 | 2.31E-04 |
| 564 | 395370.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.31E-04 | 2.31E-04 |
| 468 | 395370.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.31E-04 | 2.31E-04 |
| 1153 | 396170.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.30E-04 | 2.30E-04 |
| 1323 | 396470.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.29E-04 | 2.29E-04 |
| 1280 | 396370.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.25E-04 | 2.25E-04 |

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|---|---|---|---|---|---|
| 456 | 395370.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.25E-04 | 2.25E-04 |
| 576 | 395370.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.25E-04 | 2.25E-04 |
| 1195 | 396220.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.24E-04 | 2.24E-04 |
| 687 | 395520.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.21E-04 | 2.21E-04 |
| 712 | 395570.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.21E-04 | 2.21E-04 |
| 625 | 395420.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.20E-04 | 2.20E-04 |
| 817 | 395770.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.20E-04 | 2.20E-04 |
| 444 | 395370.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.18E-04 | 2.18E-04 |
| 503 | 395320.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 2.17E-04 | 2.17E-04 |
| 588 | 395370.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.17E-04 | 2.17E-04 |
| 662 | 395470.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.17E-04 | 2.17E-04 |
| 515 | 395320.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 2.17E-04 | 2.17E-04 |
| 491 | 395320.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 2.17E-04 | 2.17E-04 |
| 1237 | 396270.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.16E-04 | 2.16E-04 |
| 1322 | 396420.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.16E-04 | 2.16E-04 |
| 527 | 395320.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.15E-04 | 2.15E-04 |
| 479 | 395320.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 2.15E-04 | 2.15E-04 |
| 737 | 395620.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 2.14E-04 | 2.14E-04 |
| 539 | 395320.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.13E-04 | 2.13E-04 |
| 1026 | 395970.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.12E-04 | 2.12E-04 |
| 467 | 395320.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.12E-04 | 2.12E-04 |
| 1068 | 396020.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.12E-04 | 2.12E-04 |
| 1110 | 396070.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.11E-04 | 2.11E-04 |
| 984 | 395920.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.10E-04 | 2.10E-04 |
| 551 | 395320.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.09E-04 | 2.09E-04 |
| 637 | 395420.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.09E-04 | 2.09E-04 |
| 1279 | 396320.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.09E-04 | 2.09E-04 |
| 600 | 395370.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.09E-04 | 2.09E-04 |
| 775 | 395720.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.08E-04 | 2.08E-04 |
| 455 | 395320.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.08E-04 | 2.08E-04 |
| 1152 | 396120.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.08E-04 | 2.08E-04 |
| 942 | 395870.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.06E-04 | 2.06E-04 |
| 563 | 395320.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.05E-04 | 2.05E-04 |
| 1194 | 396170.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.04E-04 | 2.04E-04 |
| 443 | 395320.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.03E-04 | 2.03E-04 |
| 699 | 395520.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.02E-04 | 2.02E-04 |
| 674 | 395470.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.02E-04 | 2.02E-04 |
| 1321 | 396370.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.01E-04 | 2.01E-04 |
| 612 | 395370.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.00E-04 | 2.00E-04 |
| 575 | 395320.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.99E-04 | 1.99E-04 |
| 900 | 395820.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.99E-04 | 1.99E-04 |
| 1236 | 396220.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.99E-04 | 1.99E-04 |
| 724 | 395570.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.98E-04 | 1.98E-04 |
| 762 | 395670.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.98E-04 | 1.98E-04 |
| 649 | 395420.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.97E-04 | 1.97E-04 |
| 490 | 395270.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.97E-04 | 1.97E-04 |
| 502 | 395270.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.97E-04 | 1.97E-04 |
| 478 | 395270.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.96E-04 | 1.96E-04 |
| 514 | 395270.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.95E-04 | 1.95E-04 |
| 466 | 395270.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.95E-04 | 1.95E-04 |
| 1278 | 396270.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.94E-04 | 1.94E-04 |
| 526 | 395270.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.93E-04 | 1.93E-04 |

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|---|---|---|---|---|---|
| 454 | 395270.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.93E-04 | 1.93E-04 |
| 587 | 395320.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.91E-04 | 1.91E-04 |
| 624 | 395370.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.91E-04 | 1.91E-04 |
| 538 | 395270.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.91E-04 | 1.91E-04 |
| 442 | 395270.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.89E-04 | 1.89E-04 |
| 858 | 395770.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.89E-04 | 1.89E-04 |
| 1320 | 396320.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.87E-04 | 1.87E-04 |
| 550 | 395270.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.87E-04 | 1.87E-04 |
| 749 | 395620.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.87E-04 | 1.87E-04 |
| 1109 | 396020.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.87E-04 | 1.87E-04 |
| 1151 | 396070.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.86E-04 | 1.86E-04 |
| 686 | 395470.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.86E-04 | 1.86E-04 |
| 1067 | 395970.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.85E-04 | 1.85E-04 |
| 1193 | 396120.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.85E-04 | 1.85E-04 |
| 661 | 395420.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.85E-04 | 1.85E-04 |
| 599 | 395320.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.84E-04 | 1.84E-04 |
| 711 | 395520.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.83E-04 | 1.83E-04 |
| 562 | 395270.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.82E-04 | 1.82E-04 |
| 1025 | 395920.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.82E-04 | 1.82E-04 |
| 1235 | 396170.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.82E-04 | 1.82E-04 |
| 636 | 395370.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.81E-04 | 1.81E-04 |
| 983 | 395870.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.79E-04 | 1.79E-04 |
| 816 | 395720.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.79E-04 | 1.79E-04 |
| 1277 | 396220.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.78E-04 | 1.78E-04 |
| 574 | 395270.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.77E-04 | 1.77E-04 |
| 736 | 395570.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.76E-04 | 1.76E-04 |
| 611 | 395320.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.76E-04 | 1.76E-04 |
| 941 | 395820.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.74E-04 | 1.74E-04 |
| 1319 | 396270.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.74E-04 | 1.74E-04 |
| 673 | 395420.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.72E-04 | 1.72E-04 |
| 648 | 395370.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.71E-04 | 1.71E-04 |
| 774 | 395670.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.71E-04 | 1.71E-04 |
| 586 | 395270.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.70E-04 | 1.70E-04 |
| 698 | 395470.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.70E-04 | 1.70E-04 |
| 623 | 395320.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.67E-04 | 1.67E-04 |
| 1192 | 396070.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.67E-04 | 1.67E-04 |
| 899 | 395770.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.66E-04 | 1.66E-04 |
| 1150 | 396020.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.66E-04 | 1.66E-04 |
| 1234 | 396120.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.66E-04 | 1.66E-04 |
| 723 | 395520.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.65E-04 | 1.65E-04 |
| 1108 | 395970.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-04 | 1.64E-04 |
| 1276 | 396170.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-04 | 1.64E-04 |
| 761 | 395620.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.63E-04 | 1.63E-04 |
| 598 | 395270.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.63E-04 | 1.63E-04 |
| 1066 | 395920.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.61E-04 | 1.61E-04 |
| 1318 | 396220.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.61E-04 | 1.61E-04 |
| 660 | 395370.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.60E-04 | 1.60E-04 |
| 685 | 395420.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.59E-04 | 1.59E-04 |
| 1024 | 395870.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-04 | 1.58E-04 |
| 635 | 395320.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-04 | 1.58E-04 |
| 857 | 395720.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-04 | 1.58E-04 |
| 748 | 395570.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.56E-04 | 1.56E-04 |

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|---|---|---|---|---|---|
| 610 | 395270.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-04 | 1.55E-04 |
| 710 | 395470.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-04 | 1.55E-04 |
| 982 | 395820.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-04 | 1.55E-04 |
| 815 | 395670.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.51E-04 | 1.51E-04 |
| 1233 | 396070.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-04 | 1.50E-04 |
| 1275 | 396120.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-04 | 1.50E-04 |
| 1191 | 396020.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-04 | 1.49E-04 |
| 647 | 395320.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-04 | 1.49E-04 |
| 735 | 395520.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-04 | 1.49E-04 |
| 1317 | 396170.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-04 | 1.49E-04 |
| 940 | 395770.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-04 | 1.49E-04 |
| 672 | 395370.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-04 | 1.49E-04 |
| 622 | 395270.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.47E-04 | 1.47E-04 |
| 1149 | 395970.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.47E-04 | 1.47E-04 |
| 697 | 395420.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.46E-04 | 1.46E-04 |
| 1107 | 395920.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.45E-04 | 1.45E-04 |
| 773 | 395620.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.45E-04 | 1.45E-04 |
| 1065 | 395870.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.42E-04 | 1.42E-04 |
| 898 | 395720.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.42E-04 | 1.42E-04 |
| 722 | 395470.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.42E-04 | 1.42E-04 |
| 659 | 395320.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.39E-04 | 1.39E-04 |
| 760 | 395570.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.39E-04 | 1.39E-04 |
| 634 | 395270.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.39E-04 | 1.39E-04 |
| 1023 | 395820.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.39E-04 | 1.39E-04 |
| 684 | 395370.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.38E-04 | 1.38E-04 |
| 1316 | 396120.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.37E-04 | 1.37E-04 |
| 1274 | 396070.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.37E-04 | 1.37E-04 |
| 1232 | 396020.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-04 | 1.36E-04 |
| 856 | 395670.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-04 | 1.35E-04 |
| 709 | 395420.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.34E-04 | 1.34E-04 |
| 981 | 395770.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.34E-04 | 1.34E-04 |
| 747 | 395520.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.34E-04 | 1.34E-04 |
| 1190 | 395970.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.34E-04 | 1.34E-04 |
| 1148 | 395920.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.31E-04 | 1.31E-04 |
| 646 | 395270.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.31E-04 | 1.31E-04 |
| 671 | 395320.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-04 | 1.30E-04 |
| 814 | 395620.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-04 | 1.30E-04 |
| 734 | 395470.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.29E-04 | 1.29E-04 |
| 1106 | 395870.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.29E-04 | 1.29E-04 |
| 939 | 395720.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.28E-04 | 1.28E-04 |
| 696 | 395370.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.27E-04 | 1.27E-04 |
| 1064 | 395820.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-04 | 1.26E-04 |
| 1315 | 396070.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-04 | 1.26E-04 |
| 772 | 395570.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.25E-04 | 1.25E-04 |
| 1273 | 396020.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.25E-04 | 1.25E-04 |
| 721 | 395420.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.24E-04 | 1.24E-04 |
| 658 | 395270.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.23E-04 | 1.23E-04 |
| 1231 | 395970.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.23E-04 | 1.23E-04 |
| 1022 | 395770.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.22E-04 | 1.22E-04 |
| 897 | 395670.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.22E-04 | 1.22E-04 |
| 759 | 395520.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-04 | 1.21E-04 |
| 683 | 395320.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-04 | 1.21E-04 |

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|---|---|---|---|---|---|
| 1189 | 395920.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.20E-04 | 1.20E-04 |
| 708 | 395370.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.18E-04 | 1.18E-04 |
| 855 | 395620.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.18E-04 | 1.18E-04 |
| 746 | 395470.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.18E-04 | 1.18E-04 |
| 1147 | 395870.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.18E-04 | 1.18E-04 |
| 980 | 395720.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.17E-04 | 1.17E-04 |
| 1105 | 395820.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-04 | 1.15E-04 |
| 1314 | 396020.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-04 | 1.15E-04 |
| 670 | 395270.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-04 | 1.14E-04 |
| 813 | 395570.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-04 | 1.14E-04 |
| 733 | 395420.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-04 | 1.14E-04 |
| 1272 | 395970.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.13E-04 | 1.13E-04 |
| 695 | 395320.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.13E-04 | 1.13E-04 |
| 1063 | 395770.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-04 | 1.12E-04 |
| 938 | 395670.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-04 | 1.12E-04 |
| 1230 | 395920.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.11E-04 | 1.11E-04 |
| 771 | 395520.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-04 | 1.10E-04 |
| 720 | 395370.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-04 | 1.10E-04 |
| 1188 | 395870.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.08E-04 | 1.08E-04 |
| 758 | 395470.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-04 | 1.07E-04 |
| 1021 | 395720.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-04 | 1.07E-04 |
| 896 | 395620.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-04 | 1.07E-04 |
| 682 | 395270.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-04 | 1.07E-04 |
| 1146 | 395820.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.06E-04 | 1.06E-04 |
| 707 | 395320.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-04 | 1.05E-04 |
| 1313 | 395970.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.04E-04 | 1.04E-04 |
| 745 | 395420.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.04E-04 | 1.04E-04 |
| 854 | 395570.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.04E-04 | 1.04E-04 |
| 1104 | 395770.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-04 | 1.03E-04 |
| 979 | 395670.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-04 | 1.03E-04 |
| 1271 | 395920.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.02E-04 | 1.02E-04 |
| 732 | 395370.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-04 | 1.01E-04 |
| 812 | 395520.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-04 | 1.01E-04 |
| 694 | 395270.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.00E-04 | 1.00E-04 |
| 1229 | 395870.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.00E-04 | 1.00E-04 |
| 1062 | 395720.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 9.92E-05 | 9.92E-05 |
| 937 | 395620.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 9.88E-05 | 9.88E-05 |
| 770 | 395470.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 9.84E-05 | 9.84E-05 |
| 1187 | 395820.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 9.79E-05 | 9.79E-05 |
| 719 | 395320.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 9.76E-05 | 9.76E-05 |
| 757 | 395420.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 9.57E-05 | 9.57E-05 |
| 895 | 395570.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.56E-05 | 9.56E-05 |
| 1145 | 395770.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 9.54E-05 | 9.54E-05 |
| 1020 | 395670.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.53E-05 | 9.53E-05 |
| 1312 | 395920.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 9.51E-05 | 9.51E-05 |
| 706 | 395270.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 9.44E-05 | 9.44E-05 |
| 744 | 395370.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 9.34E-05 | 9.34E-05 |
| 1270 | 395870.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 9.32E-05 | 9.32E-05 |
| 853 | 395520.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 9.29E-05 | 9.29E-05 |
| 1103 | 395720.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 9.21E-05 | 9.21E-05 |
| 978 | 395620.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 9.16E-05 | 9.16E-05 |
| 1228 | 395820.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 9.13E-05 | 9.13E-05 |

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|---|---|---|---|---|---|
| 731 | 395320.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 9.09E-05 | 9.09E-05 |
| 811 | 395470.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 9.04E-05 | 9.04E-05 |
| 1186 | 395770.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 8.90E-05 | 8.90E-05 |
| 1061 | 395670.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.86E-05 | 8.86E-05 |
| 936 | 395570.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.85E-05 | 8.85E-05 |
| 718 | 395270.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 8.83E-05 | 8.83E-05 |
| 769 | 395420.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 8.82E-05 | 8.82E-05 |
| 1311 | 395870.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 8.73E-05 | 8.73E-05 |
| 756 | 395370.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 8.65E-05 | 8.65E-05 |
| 894 | 395520.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.62E-05 | 8.62E-05 |
| 1144 | 395720.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 8.61E-05 | 8.61E-05 |
| 1269 | 395820.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 8.56E-05 | 8.56E-05 |
| 1019 | 395620.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 8.53E-05 | 8.53E-05 |
| 743 | 395320.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.46E-05 | 8.46E-05 |
| 852 | 395470.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 8.41E-05 | 8.41E-05 |
| 1227 | 395770.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 8.35E-05 | 8.35E-05 |
| 730 | 395270.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 8.26E-05 | 8.26E-05 |
| 810 | 395420.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 8.19E-05 | 8.19E-05 |
| 1102 | 395670.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 8.09E-05 | 8.09E-05 |
| 977 | 395570.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.05E-05 | 8.05E-05 |
| 768 | 395370.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 8.03E-05 | 8.03E-05 |
| 1185 | 395720.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 7.89E-05 | 7.89E-05 |
| 755 | 395320.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 7.88E-05 | 7.88E-05 |
| 1268 | 395770.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 7.87E-05 | 7.87E-05 |
| 935 | 395520.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.81E-05 | 7.81E-05 |
| 1310 | 395820.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.80E-05 | 7.80E-05 |
| 1060 | 395620.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.76E-05 | 7.76E-05 |
| 742 | 395270.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 7.73E-05 | 7.73E-05 |
| 893 | 395470.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 7.65E-05 | 7.65E-05 |
| 1143 | 395670.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 7.57E-05 | 7.57E-05 |
| 1018 | 395570.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.49E-05 | 7.49E-05 |
| 851 | 395420.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 7.47E-05 | 7.47E-05 |
| 1226 | 395720.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 7.42E-05 | 7.42E-05 |
| 809 | 395370.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 7.34E-05 | 7.34E-05 |
| 976 | 395520.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.24E-05 | 7.24E-05 |
| 767 | 395320.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 7.23E-05 | 7.23E-05 |
| 1101 | 395620.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.23E-05 | 7.23E-05 |
| 1309 | 395770.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.20E-05 | 7.20E-05 |
| 754 | 395270.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 7.14E-05 | 7.14E-05 |
| 934 | 395470.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.11E-05 | 7.11E-05 |
| 1184 | 395670.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 7.09E-05 | 7.09E-05 |
| 1267 | 395720.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 7.01E-05 | 7.01E-05 |
| 892 | 395420.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 7.00E-05 | 7.00E-05 |
| 1059 | 395570.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.00E-05 | 7.00E-05 |
| 850 | 395370.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 6.85E-05 | 6.85E-05 |
| 1142 | 395620.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.80E-05 | 6.80E-05 |
| 1017 | 395520.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.79E-05 | 6.79E-05 |
| 808 | 395320.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 6.74E-05 | 6.74E-05 |
| 1225 | 395670.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 6.72E-05 | 6.72E-05 |
| 1308 | 395720.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.67E-05 | 6.67E-05 |
| 766 | 395270.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 6.65E-05 | 6.65E-05 |
| 975 | 395470.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.64E-05 | 6.64E-05 |

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|---|---|---|---|---|---|
| 1100 | 395570.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.58E-05 | 6.58E-05 |
| 933 | 395420.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.57E-05 | 6.57E-05 |
| 891 | 395370.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.47E-05 | 6.47E-05 |
| 1183 | 395620.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.43E-05 | 6.43E-05 |
| 1266 | 395670.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 6.41E-05 | 6.41E-05 |
| 1058 | 395520.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 6.40E-05 | 6.40E-05 |
| 849 | 395320.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 6.34E-05 | 6.34E-05 |
| 807 | 395270.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 6.25E-05 | 6.25E-05 |
| 1016 | 395470.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.24E-05 | 6.24E-05 |
| 1141 | 395570.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.20E-05 | 6.20E-05 |
| 974 | 395420.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.16E-05 | 6.16E-05 |
| 1307 | 395670.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.13E-05 | 6.13E-05 |
| 932 | 395370.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.11E-05 | 6.11E-05 |
| 1224 | 395620.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 6.11E-05 | 6.11E-05 |
| 1099 | 395520.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.04E-05 | 6.04E-05 |
| 890 | 395320.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.01E-05 | 6.01E-05 |
| 848 | 395270.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 5.89E-05 | 5.89E-05 |
| 1057 | 395470.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.89E-05 | 5.89E-05 |
| 1182 | 395570.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.86E-05 | 5.86E-05 |
| 1265 | 395620.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.84E-05 | 5.84E-05 |
| 1015 | 395420.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.76E-05 | 5.76E-05 |
| 973 | 395370.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.70E-05 | 5.70E-05 |
| 1140 | 395520.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.68E-05 | 5.68E-05 |
| 931 | 395320.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.66E-05 | 5.66E-05 |
| 1306 | 395620.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.59E-05 | 5.59E-05 |
| 889 | 395270.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.56E-05 | 5.56E-05 |
| 1223 | 395570.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.54E-05 | 5.54E-05 |
| 1098 | 395470.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.52E-05 | 5.52E-05 |
| 1056 | 395420.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.41E-05 | 5.41E-05 |
| 1014 | 395370.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.37E-05 | 5.37E-05 |
| 972 | 395320.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.36E-05 | 5.36E-05 |
| 1181 | 395520.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.34E-05 | 5.34E-05 |
| 930 | 395270.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.30E-05 | 5.30E-05 |
| 1264 | 395570.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.29E-05 | 5.29E-05 |
| 1139 | 395470.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.22E-05 | 5.22E-05 |
| 1097 | 395420.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.12E-05 | 5.12E-05 |
| 1222 | 395520.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.08E-05 | 5.08E-05 |
| 1305 | 395570.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.08E-05 | 5.08E-05 |
| 1013 | 395320.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.06E-05 | 5.06E-05 |
| 1055 | 395370.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.06E-05 | 5.06E-05 |
| 971 | 395270.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.05E-05 | 5.05E-05 |
| 1180 | 395470.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.95E-05 | 4.95E-05 |
| 1138 | 395420.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.86E-05 | 4.86E-05 |
| 1263 | 395520.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.86E-05 | 4.86E-05 |
| 1096 | 395370.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.77E-05 | 4.77E-05 |
| 1012 | 395270.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.75E-05 | 4.75E-05 |
| 1054 | 395320.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.72E-05 | 4.72E-05 |
| 1221 | 395470.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.71E-05 | 4.71E-05 |
| 1304 | 395520.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.67E-05 | 4.67E-05 |
| 1179 | 395420.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.59E-05 | 4.59E-05 |
| 1137 | 395370.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.50E-05 | 4.50E-05 |
| 1262 | 395470.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.50E-05 | 4.50E-05 |

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|---|---|---|---|---|---|
| 1053 | 395270.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.48E-05 | 4.48E-05 |
| 1095 | 395320.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.47E-05 | 4.47E-05 |
| 1220 | 395420.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.35E-05 | 4.35E-05 |
| 1178 | 395370.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.28E-05 | 4.28E-05 |
| 1303 | 395470.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.28E-05 | 4.28E-05 |
| 1136 | 395320.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.23E-05 | 4.23E-05 |
| 1094 | 395270.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.21E-05 | 4.21E-05 |
| 1261 | 395420.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.15E-05 | 4.15E-05 |
| 1219 | 395370.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.08E-05 | 4.08E-05 |
| 1177 | 395320.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.99E-05 | 3.99E-05 |
| 1302 | 395420.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.99E-05 | 3.99E-05 |
| 1135 | 395270.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.98E-05 | 3.98E-05 |
| 1260 | 395370.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.90E-05 | 3.90E-05 |
| 1218 | 395320.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.80E-05 | 3.80E-05 |
| 1176 | 395270.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.78E-05 | 3.78E-05 |
| 1301 | 395370.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.73E-05 | 3.73E-05 |
| 1259 | 395320.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.64E-05 | 3.64E-05 |
| 1217 | 395270.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.60E-05 | 3.60E-05 |
| 1300 | 395320.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.50E-05 | 3.50E-05 |
| 1258 | 395270.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.44E-05 | 3.44E-05 |
| 1299 | 395270.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.31E-05 | 3.31E-05 |

# HARP 2 Outputs

*Operations*

**Edwards AFB Solar Facility Project - Operational HRA - Cancer Health Risk**

**HARP 2 - Air Dispersion Modeling and Risk Tool v17320
**2/10/2018
** Cancer Risk Results of All Discrete Sensitive Receptor Points Are Shown - Descending From Maximum to Minimum

| REC | X | Y | RISK_SUM | SCENARIO | INH_RISK |
|---|---|---|---|---|---|
| 779 | 395920.7 | 3869976 | 9.23E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.23E-08 |
| 780 | 395970.7 | 3869976 | 7.16E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.16E-08 |
| 781 | 396020.7 | 3869976 | 3.45E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.45E-08 |
| 821 | 395970.7 | 3870026 | 3.15E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.15E-08 |
| 822 | 396020.7 | 3870026 | 2.50E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.50E-08 |
| 778 | 395870.7 | 3869976 | 2.45E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.45E-08 |
| 820 | 395920.7 | 3870026 | 2.20E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.20E-08 |
| 782 | 396070.7 | 3869976 | 1.81E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.81E-08 |
| 753 | 395820.7 | 3869876 | 1.74E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.74E-08 |
| 823 | 396070.7 | 3870026 | 1.64E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.64E-08 |
| 863 | 396020.7 | 3870076 | 1.50E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-08 |
| 765 | 395820.7 | 3869926 | 1.44E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.44E-08 |
| 862 | 395970.7 | 3870076 | 1.37E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.37E-08 |
| 864 | 396070.7 | 3870076 | 1.25E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.25E-08 |
| 783 | 396120.7 | 3869976 | 1.07E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-08 |
| 824 | 396120.7 | 3870026 | 1.06E-08 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-08 |
| 865 | 396120.7 | 3870076 | 9.39E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.39E-09 |
| 905 | 396070.7 | 3870126 | 8.66E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.66E-09 |
| 904 | 396020.7 | 3870126 | 8.60E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.60E-09 |
| 741 | 395820.7 | 3869826 | 8.21E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.21E-09 |
| 861 | 395920.7 | 3870076 | 8.16E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.16E-09 |
| 906 | 396120.7 | 3870126 | 7.52E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.52E-09 |
| 819 | 395870.7 | 3870026 | 7.52E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.52E-09 |
| 825 | 396170.7 | 3870026 | 7.13E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.13E-09 |
| 784 | 396170.7 | 3869976 | 6.93E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.93E-09 |
| 866 | 396170.7 | 3870076 | 6.82E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.82E-09 |
| 903 | 395970.7 | 3870126 | 6.68E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.68E-09 |
| 777 | 395820.7 | 3869976 | 6.61E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.61E-09 |
| 752 | 395770.7 | 3869876 | 6.09E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.09E-09 |
| 907 | 396170.7 | 3870126 | 6.04E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.04E-09 |
| 946 | 396070.7 | 3870176 | 5.73E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.73E-09 |
| 947 | 396120.7 | 3870176 | 5.62E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.62E-09 |
| 945 | 396020.7 | 3870176 | 5.03E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.03E-09 |
| 826 | 396220.7 | 3870026 | 5.02E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.02E-09 |
| 867 | 396220.7 | 3870076 | 4.99E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.99E-09 |
| 948 | 396170.7 | 3870176 | 4.99E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.99E-09 |
| 785 | 396220.7 | 3869976 | 4.83E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.83E-09 |
| 740 | 395770.7 | 3869826 | 4.78E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.78E-09 |
| 908 | 396220.7 | 3870126 | 4.71E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.71E-09 |
| 764 | 395770.7 | 3869926 | 4.51E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.51E-09 |
| 949 | 396220.7 | 3870176 | 4.19E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.19E-09 |
| 988 | 396120.7 | 3870226 | 4.05E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.05E-09 |
| 902 | 395920.7 | 3870126 | 3.96E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.96E-09 |
| 989 | 396170.7 | 3870226 | 3.92E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.92E-09 |

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|---|---|---|---|---|---|
| 987 | 396070.7 | 3870226 | 3.77E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.77E-09 |
| 868 | 396270.7 | 3870076 | 3.73E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.73E-09 |
| 827 | 396270.7 | 3870026 | 3.69E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-09 |
| 944 | 395970.7 | 3870176 | 3.67E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.67E-09 |
| 909 | 396270.7 | 3870126 | 3.66E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.66E-09 |
| 990 | 396220.7 | 3870226 | 3.55E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.55E-09 |
| 786 | 396270.7 | 3869976 | 3.54E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.54E-09 |
| 860 | 395870.7 | 3870076 | 3.53E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.53E-09 |
| 729 | 395820.7 | 3869776 | 3.53E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.53E-09 |
| 950 | 396270.7 | 3870176 | 3.43E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.43E-09 |
| 818 | 395820.7 | 3870026 | 3.25E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.25E-09 |
| 986 | 396020.7 | 3870226 | 3.09E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.09E-09 |
| 991 | 396270.7 | 3870226 | 3.07E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.07E-09 |
| 1030 | 396170.7 | 3870276 | 2.99E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.99E-09 |
| 1031 | 396220.7 | 3870276 | 2.89E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.89E-09 |
| 1029 | 396120.7 | 3870276 | 2.89E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.89E-09 |
| 751 | 395720.7 | 3869876 | 2.88E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.88E-09 |
| 869 | 396320.7 | 3870076 | 2.86E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.86E-09 |
| 910 | 396320.7 | 3870126 | 2.86E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.86E-09 |
| 728 | 395770.7 | 3869776 | 2.83E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.83E-09 |
| 776 | 395770.7 | 3869976 | 2.82E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.82E-09 |
| 828 | 396320.7 | 3870026 | 2.81E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-09 |
| 951 | 396320.7 | 3870176 | 2.78E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.78E-09 |
| 739 | 395720.7 | 3869826 | 2.77E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.77E-09 |
| 787 | 396320.7 | 3869976 | 2.70E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.70E-09 |
| 1032 | 396270.7 | 3870276 | 2.65E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.65E-09 |
| 992 | 396320.7 | 3870226 | 2.60E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.60E-09 |
| 1028 | 396070.7 | 3870276 | 2.53E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.53E-09 |
| 1033 | 396320.7 | 3870276 | 2.34E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.34E-09 |
| 1072 | 396220.7 | 3870326 | 2.29E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.29E-09 |
| 911 | 396370.7 | 3870126 | 2.27E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.27E-09 |
| 943 | 395920.7 | 3870176 | 2.26E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.26E-09 |
| 952 | 396370.7 | 3870176 | 2.25E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.25E-09 |
| 1071 | 396170.7 | 3870326 | 2.25E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.25E-09 |
| 870 | 396370.7 | 3870076 | 2.25E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.25E-09 |
| 985 | 395970.7 | 3870226 | 2.22E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.22E-09 |
| 1073 | 396270.7 | 3870326 | 2.21E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.21E-09 |
| 829 | 396370.7 | 3870026 | 2.20E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.20E-09 |
| 993 | 396370.7 | 3870226 | 2.17E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.17E-09 |
| 788 | 396370.7 | 3869976 | 2.12E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.12E-09 |
| 763 | 395720.7 | 3869926 | 2.09E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.09E-09 |
| 1070 | 396120.7 | 3870326 | 2.06E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.06E-09 |
| 727 | 395720.7 | 3869776 | 2.05E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.05E-09 |
| 1074 | 396320.7 | 3870326 | 2.05E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.05E-09 |
| 1034 | 396370.7 | 3870276 | 2.03E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.03E-09 |
| 1027 | 396020.7 | 3870276 | 2.01E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.01E-09 |
| 901 | 395870.7 | 3870126 | 1.98E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.98E-09 |
| 817 | 395770.7 | 3870026 | 1.87E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.87E-09 |
| 953 | 396420.7 | 3870176 | 1.84E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.84E-09 |
| 1075 | 396370.7 | 3870326 | 1.84E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.84E-09 |
| 912 | 396420.7 | 3870126 | 1.84E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.84E-09 |

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| 717 | 395820.7 | 3869726 | 1.81E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.81E-09 |
| 994 | 396420.7 | 3870226 | 1.81E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.81E-09 |
| 859 | 395820.7 | 3870076 | 1.81E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.81E-09 |
| 871 | 396420.7 | 3870076 | 1.81E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.81E-09 |
| 1114 | 396270.7 | 3870376 | 1.81E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.81E-09 |
| 1113 | 396220.7 | 3870376 | 1.80E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.80E-09 |
| 830 | 396420.7 | 3870026 | 1.77E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.77E-09 |
| 1069 | 396070.7 | 3870326 | 1.75E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.75E-09 |
| 1115 | 396320.7 | 3870376 | 1.75E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.75E-09 |
| 1035 | 396420.7 | 3870276 | 1.74E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.74E-09 |
| 738 | 395670.7 | 3869826 | 1.72E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.72E-09 |
| 789 | 396420.7 | 3869976 | 1.71E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.71E-09 |
| 1112 | 396170.7 | 3870376 | 1.69E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.69E-09 |
| 716 | 395770.7 | 3869726 | 1.65E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.65E-09 |
| 1116 | 396370.7 | 3870376 | 1.63E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-09 |
| 1076 | 396420.7 | 3870326 | 1.63E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-09 |
| 750 | 395670.7 | 3869876 | 1.61E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.61E-09 |
| 954 | 396470.7 | 3870176 | 1.52E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.52E-09 |
| 995 | 396470.7 | 3870226 | 1.52E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.52E-09 |
| 913 | 396470.7 | 3870126 | 1.51E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.51E-09 |
| 1111 | 396120.7 | 3870376 | 1.50E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.50E-09 |
| 1117 | 396420.7 | 3870376 | 1.49E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-09 |
| 1036 | 396470.7 | 3870276 | 1.49E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-09 |
| 872 | 396470.7 | 3870076 | 1.48E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.48E-09 |
| 1155 | 396270.7 | 3870426 | 1.46E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-09 |
| 1156 | 396320.7 | 3870426 | 1.46E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-09 |
| 726 | 395670.7 | 3869776 | 1.46E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-09 |
| 831 | 396470.7 | 3870026 | 1.45E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.45E-09 |
| 1026 | 395970.7 | 3870276 | 1.44E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.44E-09 |
| 984 | 395920.7 | 3870226 | 1.43E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.43E-09 |
| 775 | 395720.7 | 3869976 | 1.42E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.42E-09 |
| 1077 | 396470.7 | 3870326 | 1.42E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.42E-09 |
| 790 | 396470.7 | 3869976 | 1.41E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-09 |
| 1157 | 396370.7 | 3870426 | 1.41E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-09 |
| 1154 | 396220.7 | 3870426 | 1.40E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.40E-09 |
| 715 | 395720.7 | 3869726 | 1.39E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-09 |
| 1068 | 396020.7 | 3870326 | 1.37E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.37E-09 |
| 1118 | 396470.7 | 3870376 | 1.33E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-09 |
| 1158 | 396420.7 | 3870426 | 1.33E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.33E-09 |
| 996 | 396520.7 | 3870226 | 1.28E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-09 |
| 1153 | 396170.7 | 3870426 | 1.28E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-09 |
| 955 | 396520.7 | 3870176 | 1.27E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-09 |
| 1037 | 396520.7 | 3870276 | 1.27E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-09 |
| 942 | 395870.7 | 3870176 | 1.26E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-09 |
| 914 | 396520.7 | 3870126 | 1.26E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-09 |
| 1110 | 396070.7 | 3870376 | 1.24E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-09 |
| 1078 | 396520.7 | 3870326 | 1.24E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.24E-09 |
| 873 | 396520.7 | 3870076 | 1.23E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.23E-09 |
| 1159 | 396470.7 | 3870426 | 1.22E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-09 |
| 832 | 396520.7 | 3870026 | 1.21E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.21E-09 |
| 1197 | 396320.7 | 3870476 | 1.21E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.21E-09 |

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| 1198 | 396370.7 | 3870476 | 1.20E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-09 |
| 858 | 395770.7 | 3870076 | 1.19E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-09 |
| 791 | 396520.7 | 3869976 | 1.18E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.18E-09 |
| 1119 | 396520.7 | 3870376 | 1.18E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.18E-09 |
| 1196 | 396270.7 | 3870476 | 1.17E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-09 |
| 762 | 395670.7 | 3869926 | 1.17E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.17E-09 |
| 1199 | 396420.7 | 3870476 | 1.16E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-09 |
| 737 | 395620.7 | 3869826 | 1.14E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-09 |
| 900 | 395820.7 | 3870126 | 1.13E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.13E-09 |
| 1160 | 396520.7 | 3870426 | 1.11E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-09 |
| 1152 | 396120.7 | 3870426 | 1.11E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-09 |
| 714 | 395670.7 | 3869726 | 1.10E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-09 |
| 816 | 395720.7 | 3870026 | 1.10E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-09 |
| 1200 | 396470.7 | 3870476 | 1.10E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-09 |
| 1195 | 396220.7 | 3870476 | 1.09E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.09E-09 |
| 1038 | 396570.7 | 3870276 | 1.09E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.09E-09 |
| 997 | 396570.7 | 3870226 | 1.09E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.09E-09 |
| 956 | 396570.7 | 3870176 | 1.08E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-09 |
| 1079 | 396570.7 | 3870326 | 1.07E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-09 |
| 705 | 395820.7 | 3869676 | 1.07E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-09 |
| 915 | 396570.7 | 3870126 | 1.06E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-09 |
| 725 | 395620.7 | 3869776 | 1.06E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-09 |
| 1120 | 396570.7 | 3870376 | 1.04E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-09 |
| 874 | 396570.7 | 3870076 | 1.04E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-09 |
| 833 | 396570.7 | 3870026 | 1.03E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.03E-09 |
| 704 | 395770.7 | 3869676 | 1.03E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.03E-09 |
| 1201 | 396520.7 | 3870476 | 1.02E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-09 |
| 1239 | 396370.7 | 3870526 | 1.02E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.02E-09 |
| 1240 | 396420.7 | 3870526 | 1.01E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-09 |
| 792 | 396570.7 | 3869976 | 1.01E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-09 |
| 749 | 395620.7 | 3869876 | 1.00E-09 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-09 |
| 1161 | 396570.7 | 3870426 | 9.98E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.98E-10 |
| 1238 | 396320.7 | 3870526 | 9.94E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.94E-10 |
| 1067 | 395970.7 | 3870326 | 9.82E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.82E-10 |
| 1194 | 396170.7 | 3870476 | 9.78E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.78E-10 |
| 1241 | 396470.7 | 3870526 | 9.76E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.76E-10 |
| 1109 | 396020.7 | 3870376 | 9.68E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.68E-10 |
| 1025 | 395920.7 | 3870276 | 9.45E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.45E-10 |
| 1237 | 396270.7 | 3870526 | 9.42E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.42E-10 |
| 1202 | 396570.7 | 3870476 | 9.39E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.39E-10 |
| 1039 | 396620.7 | 3870276 | 9.38E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.38E-10 |
| 1080 | 396620.7 | 3870326 | 9.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.35E-10 |
| 703 | 395720.7 | 3869676 | 9.32E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.32E-10 |
| 998 | 396620.7 | 3870226 | 9.32E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.32E-10 |
| 1242 | 396520.7 | 3870526 | 9.28E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.28E-10 |
| 957 | 396620.7 | 3870176 | 9.20E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.20E-10 |
| 1121 | 396620.7 | 3870376 | 9.19E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.19E-10 |
| 1151 | 396070.7 | 3870426 | 9.09E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.09E-10 |
| 916 | 396620.7 | 3870126 | 9.07E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.07E-10 |
| 875 | 396620.7 | 3870076 | 8.93E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.93E-10 |
| 1162 | 396620.7 | 3870426 | 8.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.92E-10 |

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|---|---|---|---|---|---|
| 834 | 396620.7 | 3870026 | 8.81E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.81E-10 |
| 1243 | 396570.7 | 3870526 | 8.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.69E-10 |
| 713 | 395620.7 | 3869726 | 8.68E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.68E-10 |
| 793 | 396620.7 | 3869976 | 8.65E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.65E-10 |
| 1281 | 396420.7 | 3870576 | 8.64E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.64E-10 |
| 983 | 395870.7 | 3870226 | 8.63E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.63E-10 |
| 1236 | 396220.7 | 3870526 | 8.62E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.62E-10 |
| 1282 | 396470.7 | 3870576 | 8.55E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.55E-10 |
| 1203 | 396620.7 | 3870476 | 8.53E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.53E-10 |
| 1280 | 396370.7 | 3870576 | 8.51E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.51E-10 |
| 857 | 395720.7 | 3870076 | 8.36E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.36E-10 |
| 1193 | 396120.7 | 3870476 | 8.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.35E-10 |
| 1283 | 396520.7 | 3870576 | 8.30E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.30E-10 |
| 774 | 395670.7 | 3869976 | 8.25E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.25E-10 |
| 1081 | 396670.7 | 3870326 | 8.16E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.16E-10 |
| 1279 | 396320.7 | 3870576 | 8.16E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.16E-10 |
| 1040 | 396670.7 | 3870276 | 8.13E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.13E-10 |
| 1122 | 396670.7 | 3870376 | 8.10E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.10E-10 |
| 999 | 396670.7 | 3870226 | 8.06E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.06E-10 |
| 702 | 395670.7 | 3869676 | 8.05E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.05E-10 |
| 1244 | 396620.7 | 3870526 | 8.04E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.04E-10 |
| 899 | 395770.7 | 3870126 | 7.98E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.98E-10 |
| 1163 | 396670.7 | 3870426 | 7.95E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.95E-10 |
| 958 | 396670.7 | 3870176 | 7.94E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.94E-10 |
| 1284 | 396570.7 | 3870576 | 7.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.92E-10 |
| 736 | 395570.7 | 3869826 | 7.85E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.85E-10 |
| 917 | 396670.7 | 3870126 | 7.82E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.82E-10 |
| 941 | 395820.7 | 3870176 | 7.82E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.82E-10 |
| 724 | 395570.7 | 3869776 | 7.79E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.79E-10 |
| 876 | 396670.7 | 3870076 | 7.74E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.74E-10 |
| 1204 | 396670.7 | 3870476 | 7.71E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.71E-10 |
| 835 | 396670.7 | 3870026 | 7.65E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.65E-10 |
| 794 | 396668.3 | 3869988 | 7.60E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.60E-10 |
| 1278 | 396270.7 | 3870576 | 7.60E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.60E-10 |
| 1235 | 396170.7 | 3870526 | 7.59E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.59E-10 |
| 1285 | 396620.7 | 3870576 | 7.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.46E-10 |
| 1323 | 396470.7 | 3870626 | 7.43E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.43E-10 |
| 1245 | 396670.7 | 3870526 | 7.37E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.37E-10 |
| 1322 | 396420.7 | 3870626 | 7.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.35E-10 |
| 1324 | 396520.7 | 3870626 | 7.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.35E-10 |
| 761 | 395620.7 | 3869926 | 7.32E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.32E-10 |
| 1082 | 396720.7 | 3870326 | 7.15E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.15E-10 |
| 1123 | 396720.7 | 3870376 | 7.15E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.15E-10 |
| 1325 | 396570.7 | 3870626 | 7.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.14E-10 |
| 1041 | 396720.7 | 3870276 | 7.11E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.11E-10 |
| 1321 | 396370.7 | 3870626 | 7.11E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.11E-10 |
| 1164 | 396720.7 | 3870426 | 7.09E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.09E-10 |
| 1000 | 396720.7 | 3870226 | 7.02E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.02E-10 |
| 1108 | 395970.7 | 3870376 | 7.02E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.02E-10 |
| 1150 | 396020.7 | 3870426 | 7.02E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.02E-10 |
| 693 | 395820.7 | 3869626 | 6.96E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.96E-10 |

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| 1286 | 396670.7 | 3870576 | 6.95E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.95E-10 |
| 1205 | 396720.7 | 3870476 | 6.94E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.94E-10 |
| 959 | 396720.7 | 3870176 | 6.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.92E-10 |
| 815 | 395670.7 | 3870026 | 6.85E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.85E-10 |
| 712 | 395570.7 | 3869726 | 6.84E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.84E-10 |
| 1326 | 396620.7 | 3870626 | 6.84E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.84E-10 |
| 918 | 396720.7 | 3870126 | 6.82E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.82E-10 |
| 1277 | 396220.7 | 3870576 | 6.81E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.81E-10 |
| 692 | 395770.7 | 3869626 | 6.78E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.78E-10 |
| 1192 | 396070.7 | 3870476 | 6.78E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.78E-10 |
| 1066 | 395920.7 | 3870326 | 6.78E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.78E-10 |
| 701 | 395620.7 | 3869676 | 6.76E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.76E-10 |
| 877 | 396720.7 | 3870076 | 6.76E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.76E-10 |
| 1246 | 396720.7 | 3870526 | 6.72E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.72E-10 |
| 1320 | 396320.7 | 3870626 | 6.70E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.70E-10 |
| 748 | 395570.7 | 3869876 | 6.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.69E-10 |
| 836 | 396720.7 | 3870026 | 6.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.69E-10 |
| 795 | 396718.3 | 3869988 | 6.66E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.66E-10 |
| 1327 | 396670.7 | 3870626 | 6.47E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.47E-10 |
| 691 | 395720.7 | 3869626 | 6.45E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.45E-10 |
| 1287 | 396720.7 | 3870576 | 6.43E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.43E-10 |
| 1234 | 396120.7 | 3870526 | 6.40E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.40E-10 |
| 1124 | 396770.7 | 3870376 | 6.34E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.34E-10 |
| 1165 | 396770.7 | 3870426 | 6.32E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.32E-10 |
| 1083 | 396770.7 | 3870326 | 6.31E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.31E-10 |
| 1024 | 395870.7 | 3870276 | 6.26E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.26E-10 |
| 1042 | 396770.7 | 3870276 | 6.25E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.25E-10 |
| 1206 | 396770.7 | 3870476 | 6.24E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.24E-10 |
| 1001 | 396770.7 | 3870226 | 6.16E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.16E-10 |
| 1319 | 396270.7 | 3870626 | 6.12E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.12E-10 |
| 1247 | 396770.7 | 3870526 | 6.11E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.11E-10 |
| 898 | 395720.7 | 3870126 | 6.10E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.10E-10 |
| 960 | 396770.7 | 3870176 | 6.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.08E-10 |
| 1328 | 396720.7 | 3870626 | 6.07E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.07E-10 |
| 919 | 396770.7 | 3870126 | 6.01E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.01E-10 |
| 878 | 396770.7 | 3870076 | 5.95E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.95E-10 |
| 1276 | 396170.7 | 3870576 | 5.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.92E-10 |
| 837 | 396770.7 | 3870026 | 5.90E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.90E-10 |
| 1288 | 396770.7 | 3870576 | 5.90E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.90E-10 |
| 690 | 395670.7 | 3869626 | 5.89E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.89E-10 |
| 796 | 396768.3 | 3869988 | 5.88E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.88E-10 |
| 723 | 395520.7 | 3869776 | 5.86E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.86E-10 |
| 856 | 395670.7 | 3870076 | 5.82E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.82E-10 |
| 982 | 395820.7 | 3870226 | 5.73E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.73E-10 |
| 940 | 395770.7 | 3870176 | 5.65E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.65E-10 |
| 1166 | 396820.7 | 3870426 | 5.65E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.65E-10 |
| 1329 | 396770.7 | 3870626 | 5.65E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.65E-10 |
| 735 | 395520.7 | 3869826 | 5.64E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.64E-10 |
| 1125 | 396820.7 | 3870376 | 5.64E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.64E-10 |
| 700 | 395570.7 | 3869676 | 5.62E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.62E-10 |
| 1207 | 396820.7 | 3870476 | 5.62E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.62E-10 |

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| 1084 | 396820.7 | 3870326 | 5.59E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.59E-10 |
| 1248 | 396820.7 | 3870526 | 5.53E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.53E-10 |
| 1043 | 396820.7 | 3870276 | 5.52E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.52E-10 |
| 1002 | 396820.7 | 3870226 | 5.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.46E-10 |
| 1318 | 396220.7 | 3870626 | 5.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.46E-10 |
| 711 | 395520.7 | 3869726 | 5.44E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.44E-10 |
| 1289 | 396820.7 | 3870576 | 5.41E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.41E-10 |
| 961 | 396820.7 | 3870176 | 5.38E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.38E-10 |
| 773 | 395620.7 | 3869976 | 5.37E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.37E-10 |
| 920 | 396820.7 | 3870126 | 5.33E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.33E-10 |
| 879 | 396820.7 | 3870076 | 5.29E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.29E-10 |
| 1191 | 396020.7 | 3870476 | 5.27E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.27E-10 |
| 838 | 396820.7 | 3870026 | 5.25E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.25E-10 |
| 1149 | 395970.7 | 3870426 | 5.25E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.25E-10 |
| 797 | 396818.3 | 3869988 | 5.24E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.24E-10 |
| 1330 | 396820.7 | 3870626 | 5.22E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.22E-10 |
| 689 | 395620.7 | 3869626 | 5.17E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.17E-10 |
| 1233 | 396070.7 | 3870526 | 5.17E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.17E-10 |
| 1167 | 396870.7 | 3870426 | 5.07E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.07E-10 |
| 1107 | 395920.7 | 3870376 | 5.06E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.06E-10 |
| 1208 | 396870.7 | 3870476 | 5.06E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.06E-10 |
| 1126 | 396870.7 | 3870376 | 5.04E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.04E-10 |
| 760 | 395570.7 | 3869926 | 5.02E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.02E-10 |
| 1249 | 396870.7 | 3870526 | 5.02E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.02E-10 |
| 1085 | 396870.7 | 3870326 | 4.99E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.99E-10 |
| 1275 | 396120.7 | 3870576 | 4.97E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.97E-10 |
| 1290 | 396870.7 | 3870576 | 4.94E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.94E-10 |
| 1044 | 396870.7 | 3870276 | 4.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.92E-10 |
| 1003 | 396870.7 | 3870226 | 4.85E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.85E-10 |
| 681 | 395820.7 | 3869576 | 4.83E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.83E-10 |
| 1331 | 396870.7 | 3870626 | 4.82E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.82E-10 |
| 962 | 396870.7 | 3870176 | 4.79E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.79E-10 |
| 747 | 395520.7 | 3869876 | 4.76E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.76E-10 |
| 921 | 396870.7 | 3870126 | 4.76E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.76E-10 |
| 680 | 395770.7 | 3869576 | 4.75E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.75E-10 |
| 880 | 396870.7 | 3870076 | 4.73E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.73E-10 |
| 1065 | 395870.7 | 3870326 | 4.72E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.72E-10 |
| 1317 | 396170.7 | 3870626 | 4.71E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.71E-10 |
| 798 | 396868.3 | 3869993 | 4.70E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.70E-10 |
| 839 | 396870.7 | 3870026 | 4.70E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.70E-10 |
| 699 | 395520.7 | 3869676 | 4.68E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.68E-10 |
| 897 | 395670.7 | 3870126 | 4.65E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.65E-10 |
| 679 | 395720.7 | 3869576 | 4.60E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.60E-10 |
| 1209 | 396920.7 | 3870476 | 4.57E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.57E-10 |
| 1250 | 396920.7 | 3870526 | 4.56E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-10 |
| 1168 | 396920.7 | 3870426 | 4.55E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.55E-10 |
| 814 | 395620.7 | 3870026 | 4.52E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.52E-10 |
| 1127 | 396920.7 | 3870376 | 4.52E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.52E-10 |
| 1291 | 396920.7 | 3870576 | 4.51E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.51E-10 |
| 722 | 395470.7 | 3869776 | 4.50E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.50E-10 |
| 688 | 395570.7 | 3869626 | 4.49E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.49E-10 |

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|---|---|---|---|---|---|
| 939 | 395720.7 | 3870176 | 4.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.46E-10 |
| 1086 | 396920.7 | 3870326 | 4.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.46E-10 |
| 1332 | 396920.7 | 3870626 | 4.44E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.44E-10 |
| 1045 | 396920.7 | 3870276 | 4.41E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.41E-10 |
| 678 | 395670.7 | 3869576 | 4.36E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.36E-10 |
| 710 | 395470.7 | 3869726 | 4.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.35E-10 |
| 1004 | 396920.7 | 3870226 | 4.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.35E-10 |
| 1023 | 395820.7 | 3870276 | 4.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.35E-10 |
| 963 | 396920.7 | 3870176 | 4.30E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.30E-10 |
| 922 | 396920.7 | 3870126 | 4.27E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.27E-10 |
| 881 | 396920.7 | 3870076 | 4.25E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.25E-10 |
| 799 | 396918.3 | 3869993 | 4.23E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.23E-10 |
| 840 | 396920.7 | 3870026 | 4.23E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.23E-10 |
| 981 | 395770.7 | 3870226 | 4.21E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.21E-10 |
| 734 | 395470.7 | 3869826 | 4.20E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.20E-10 |
| 1210 | 396970.7 | 3870476 | 4.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.14E-10 |
| 1251 | 396970.7 | 3870526 | 4.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.14E-10 |
| 1292 | 396970.7 | 3870576 | 4.13E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.13E-10 |
| 1169 | 396970.7 | 3870426 | 4.12E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.12E-10 |
| 1232 | 396020.7 | 3870526 | 4.10E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.10E-10 |
| 855 | 395620.7 | 3870076 | 4.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-10 |
| 1128 | 396970.7 | 3870376 | 4.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-10 |
| 1333 | 396970.7 | 3870626 | 4.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-10 |
| 1274 | 396070.7 | 3870576 | 4.06E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.06E-10 |
| 1190 | 395970.7 | 3870476 | 4.04E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.04E-10 |
| 1087 | 396970.7 | 3870326 | 4.02E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.02E-10 |
| 677 | 395620.7 | 3869576 | 3.99E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.99E-10 |
| 1046 | 396970.7 | 3870276 | 3.97E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.97E-10 |
| 1316 | 396120.7 | 3870626 | 3.96E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.96E-10 |
| 1005 | 396970.7 | 3870226 | 3.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.92E-10 |
| 698 | 395470.7 | 3869676 | 3.89E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.89E-10 |
| 1148 | 395920.7 | 3870426 | 3.89E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.89E-10 |
| 687 | 395520.7 | 3869626 | 3.88E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.88E-10 |
| 964 | 396970.7 | 3870176 | 3.88E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.88E-10 |
| 923 | 396970.7 | 3870126 | 3.85E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.85E-10 |
| 882 | 396970.7 | 3870076 | 3.84E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.84E-10 |
| 800 | 396968.3 | 3869993 | 3.83E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.83E-10 |
| 841 | 396970.7 | 3870026 | 3.83E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.83E-10 |
| 1252 | 397020.7 | 3870526 | 3.78E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.78E-10 |
| 1293 | 397020.7 | 3870576 | 3.78E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.78E-10 |
| 1211 | 397020.7 | 3870476 | 3.77E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.77E-10 |
| 772 | 395570.7 | 3869976 | 3.76E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.76E-10 |
| 1334 | 397020.7 | 3870626 | 3.75E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.75E-10 |
| 1170 | 397020.7 | 3870426 | 3.73E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.73E-10 |
| 1129 | 397020.7 | 3870376 | 3.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-10 |
| 1106 | 395870.7 | 3870376 | 3.66E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.66E-10 |
| 759 | 395520.7 | 3869926 | 3.64E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.64E-10 |
| 1088 | 397020.7 | 3870326 | 3.64E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.64E-10 |
| 938 | 395670.7 | 3870176 | 3.61E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.61E-10 |
| 1047 | 397020.7 | 3870276 | 3.59E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.59E-10 |
| 676 | 395570.7 | 3869576 | 3.58E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.58E-10 |

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| 1006 | 397020.7 | 3870226 | 3.55E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.55E-10 |
| 669 | 395820.7 | 3869526 | 3.53E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.53E-10 |
| 746 | 395470.7 | 3869876 | 3.53E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.53E-10 |
| 896 | 395620.7 | 3870126 | 3.53E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.53E-10 |
| 709 | 395420.7 | 3869726 | 3.51E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.51E-10 |
| 721 | 395420.7 | 3869776 | 3.51E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.51E-10 |
| 965 | 397020.7 | 3870176 | 3.51E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.51E-10 |
| 924 | 397020.7 | 3870126 | 3.50E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.50E-10 |
| 883 | 397020.7 | 3870076 | 3.49E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.49E-10 |
| 801 | 397018.3 | 3869993 | 3.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.48E-10 |
| 842 | 397020.7 | 3870026 | 3.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.48E-10 |
| 668 | 395770.7 | 3869526 | 3.47E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.47E-10 |
| 1294 | 397070.7 | 3870576 | 3.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.46E-10 |
| 1253 | 397070.7 | 3870526 | 3.45E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.45E-10 |
| 1335 | 397070.7 | 3870626 | 3.45E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.45E-10 |
| 1212 | 397070.7 | 3870476 | 3.43E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.43E-10 |
| 1064 | 395820.7 | 3870326 | 3.41E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.41E-10 |
| 667 | 395720.7 | 3869526 | 3.40E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.40E-10 |
| 1171 | 397070.7 | 3870426 | 3.40E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.40E-10 |
| 1130 | 397070.7 | 3870376 | 3.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.35E-10 |
| 686 | 395470.7 | 3869626 | 3.33E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.33E-10 |
| 980 | 395720.7 | 3870226 | 3.33E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.33E-10 |
| 1089 | 397070.7 | 3870326 | 3.31E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.31E-10 |
| 666 | 395670.7 | 3869526 | 3.29E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.29E-10 |
| 697 | 395420.7 | 3869676 | 3.26E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.26E-10 |
| 1022 | 395770.7 | 3870276 | 3.26E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.26E-10 |
| 1048 | 397070.7 | 3870276 | 3.26E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.26E-10 |
| 1273 | 396020.7 | 3870576 | 3.25E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.25E-10 |
| 1315 | 396070.7 | 3870626 | 3.25E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.25E-10 |
| 1007 | 397070.7 | 3870226 | 3.23E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.23E-10 |
| 733 | 395420.7 | 3869826 | 3.21E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.21E-10 |
| 966 | 397070.7 | 3870176 | 3.20E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.20E-10 |
| 925 | 397070.7 | 3870126 | 3.19E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.19E-10 |
| 1231 | 395970.7 | 3870526 | 3.19E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.19E-10 |
| 675 | 395520.7 | 3869576 | 3.18E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.18E-10 |
| 802 | 397068.3 | 3869993 | 3.18E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.18E-10 |
| 843 | 397070.7 | 3870026 | 3.18E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.18E-10 |
| 884 | 397070.7 | 3870076 | 3.18E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.18E-10 |
| 1295 | 397120.7 | 3870576 | 3.17E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.17E-10 |
| 1336 | 397120.7 | 3870626 | 3.17E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.17E-10 |
| 813 | 395570.7 | 3870026 | 3.16E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.16E-10 |
| 1254 | 397120.7 | 3870526 | 3.16E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.16E-10 |
| 1213 | 397120.7 | 3870476 | 3.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.14E-10 |
| 665 | 395620.7 | 3869526 | 3.12E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.12E-10 |
| 1172 | 397120.7 | 3870426 | 3.10E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.10E-10 |
| 1189 | 395920.7 | 3870476 | 3.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.08E-10 |
| 1131 | 397120.7 | 3870376 | 3.06E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.06E-10 |
| 1090 | 397120.7 | 3870326 | 3.02E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.02E-10 |
| 1049 | 397120.7 | 3870276 | 2.98E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.98E-10 |
| 1008 | 397120.7 | 3870226 | 2.95E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.95E-10 |
| 937 | 395620.7 | 3870176 | 2.94E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.94E-10 |

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|---|---|---|---|---|---|
| 967 | 397120.7 | 3870176 | 2.93E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.93E-10 |
| 1337 | 397170.7 | 3870626 | 2.93E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.93E-10 |
| 803 | 397118.3 | 3869993 | 2.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.92E-10 |
| 844 | 397120.7 | 3870026 | 2.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.92E-10 |
| 885 | 397120.7 | 3870076 | 2.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.92E-10 |
| 926 | 397120.7 | 3870126 | 2.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.92E-10 |
| 1296 | 397170.7 | 3870576 | 2.92E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.92E-10 |
| 1147 | 395870.7 | 3870426 | 2.91E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.91E-10 |
| 1255 | 397170.7 | 3870526 | 2.90E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.90E-10 |
| 854 | 395570.7 | 3870076 | 2.88E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.88E-10 |
| 685 | 395420.7 | 3869626 | 2.87E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.87E-10 |
| 1214 | 397170.7 | 3870476 | 2.87E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.87E-10 |
| 664 | 395570.7 | 3869526 | 2.86E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.86E-10 |
| 708 | 395370.7 | 3869726 | 2.86E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.86E-10 |
| 1173 | 397170.7 | 3870426 | 2.84E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.84E-10 |
| 674 | 395470.7 | 3869576 | 2.81E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-10 |
| 1132 | 397170.7 | 3870376 | 2.81E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-10 |
| 979 | 395670.7 | 3870226 | 2.80E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.80E-10 |
| 720 | 395370.7 | 3869776 | 2.79E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.79E-10 |
| 771 | 395520.7 | 3869976 | 2.78E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.78E-10 |
| 1091 | 397170.7 | 3870326 | 2.77E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.77E-10 |
| 758 | 395470.7 | 3869926 | 2.76E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.76E-10 |
| 696 | 395370.7 | 3869676 | 2.74E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.74E-10 |
| 1050 | 397170.7 | 3870276 | 2.74E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.74E-10 |
| 1105 | 395820.7 | 3870376 | 2.74E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.74E-10 |
| 1009 | 397170.7 | 3870226 | 2.71E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.71E-10 |
| 1338 | 397220.7 | 3870626 | 2.71E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.71E-10 |
| 804 | 397168.3 | 3869993 | 2.70E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.70E-10 |
| 1297 | 397220.7 | 3870576 | 2.70E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.70E-10 |
| 657 | 395820.7 | 3869476 | 2.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.69E-10 |
| 745 | 395420.7 | 3869876 | 2.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.69E-10 |
| 845 | 397170.7 | 3870026 | 2.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.69E-10 |
| 886 | 397170.7 | 3870076 | 2.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.69E-10 |
| 927 | 397170.7 | 3870126 | 2.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.69E-10 |
| 968 | 397170.7 | 3870176 | 2.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.69E-10 |
| 895 | 395570.7 | 3870126 | 2.67E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.67E-10 |
| 1256 | 397220.7 | 3870526 | 2.67E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.67E-10 |
| 656 | 395770.7 | 3869476 | 2.64E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.64E-10 |
| 1215 | 397220.7 | 3870476 | 2.64E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.64E-10 |
| 1314 | 396020.7 | 3870626 | 2.62E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.62E-10 |
| 1174 | 397220.7 | 3870426 | 2.61E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.61E-10 |
| 663 | 395520.7 | 3869526 | 2.60E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.60E-10 |
| 1063 | 395770.7 | 3870326 | 2.60E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.60E-10 |
| 655 | 395720.7 | 3869476 | 2.59E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.59E-10 |
| 1021 | 395720.7 | 3870276 | 2.59E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.59E-10 |
| 1133 | 397220.7 | 3870376 | 2.57E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.57E-10 |
| 1272 | 395970.7 | 3870576 | 2.57E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.57E-10 |
| 654 | 395670.7 | 3869476 | 2.54E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.54E-10 |
| 1092 | 397220.7 | 3870326 | 2.54E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.54E-10 |
| 732 | 395370.7 | 3869826 | 2.51E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.51E-10 |
| 1051 | 397220.7 | 3870276 | 2.51E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.51E-10 |

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|---|---|---|---|---|---|
| 1339 | 397270.7 | 3870626 | 2.50E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.50E-10 |
| 805 | 397218.3 | 3869993 | 2.49E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.49E-10 |
| 1010 | 397220.7 | 3870226 | 2.49E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.49E-10 |
| 1298 | 397270.7 | 3870576 | 2.49E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.49E-10 |
| 684 | 395370.7 | 3869626 | 2.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-10 |
| 846 | 397220.7 | 3870026 | 2.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-10 |
| 887 | 397220.7 | 3870076 | 2.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-10 |
| 969 | 397220.7 | 3870176 | 2.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-10 |
| 1230 | 395920.7 | 3870526 | 2.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-10 |
| 673 | 395420.7 | 3869576 | 2.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-10 |
| 928 | 397220.7 | 3870126 | 2.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.48E-10 |
| 1257 | 397270.7 | 3870526 | 2.47E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.47E-10 |
| 653 | 395620.7 | 3869476 | 2.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.46E-10 |
| 1216 | 397270.7 | 3870476 | 2.44E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.44E-10 |
| 1175 | 397270.7 | 3870426 | 2.41E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.41E-10 |
| 978 | 395620.7 | 3870226 | 2.38E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.38E-10 |
| 1134 | 397270.7 | 3870376 | 2.38E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.38E-10 |
| 936 | 395570.7 | 3870176 | 2.37E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.37E-10 |
| 662 | 395470.7 | 3869526 | 2.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.35E-10 |
| 707 | 395320.7 | 3869726 | 2.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.35E-10 |
| 1093 | 397270.7 | 3870326 | 2.35E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.35E-10 |
| 1188 | 395870.7 | 3870476 | 2.34E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.34E-10 |
| 812 | 395520.7 | 3870026 | 2.32E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.32E-10 |
| 1052 | 397270.7 | 3870276 | 2.32E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.32E-10 |
| 652 | 395570.7 | 3869476 | 2.31E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.31E-10 |
| 695 | 395320.7 | 3869676 | 2.31E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.31E-10 |
| 806 | 397268.3 | 3869993 | 2.31E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.31E-10 |
| 847 | 397270.7 | 3870026 | 2.30E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.30E-10 |
| 888 | 397270.7 | 3870076 | 2.30E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.30E-10 |
| 1011 | 397270.7 | 3870226 | 2.30E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.30E-10 |
| 929 | 397270.7 | 3870126 | 2.29E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.29E-10 |
| 970 | 397270.7 | 3870176 | 2.29E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.29E-10 |
| 719 | 395320.7 | 3869776 | 2.23E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.23E-10 |
| 1146 | 395820.7 | 3870426 | 2.23E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.23E-10 |
| 1020 | 395670.7 | 3870276 | 2.20E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.20E-10 |
| 672 | 395370.7 | 3869576 | 2.19E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.19E-10 |
| 683 | 395320.7 | 3869626 | 2.15E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.15E-10 |
| 651 | 395520.7 | 3869476 | 2.15E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.15E-10 |
| 770 | 395470.7 | 3869976 | 2.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.14E-10 |
| 757 | 395420.7 | 3869926 | 2.13E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.13E-10 |
| 853 | 395520.7 | 3870076 | 2.13E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.13E-10 |
| 1104 | 395770.7 | 3870376 | 2.13E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.13E-10 |
| 645 | 395820.7 | 3869426 | 2.12E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.12E-10 |
| 661 | 395420.7 | 3869526 | 2.11E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.11E-10 |
| 744 | 395370.7 | 3869876 | 2.11E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.11E-10 |
| 1313 | 395970.7 | 3870626 | 2.11E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.11E-10 |
| 1062 | 395720.7 | 3870326 | 2.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.08E-10 |
| 644 | 395770.7 | 3869426 | 2.07E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.07E-10 |
| 643 | 395720.7 | 3869426 | 2.03E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.03E-10 |
| 894 | 395520.7 | 3870126 | 2.03E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.03E-10 |
| 1271 | 395920.7 | 3870576 | 2.03E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.03E-10 |

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|---|---|---|---|---|---|
| 977 | 395570.7 | 3870226 | 2.02E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.02E-10 |
| 642 | 395670.7 | 3869426 | 2.00E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.00E-10 |
| 731 | 395320.7 | 3869826 | 2.00E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.00E-10 |
| 650 | 395470.7 | 3869476 | 1.97E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.97E-10 |
| 641 | 395620.7 | 3869426 | 1.96E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.96E-10 |
| 694 | 395270.7 | 3869676 | 1.96E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.96E-10 |
| 706 | 395270.7 | 3869726 | 1.95E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.95E-10 |
| 671 | 395320.7 | 3869576 | 1.94E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.94E-10 |
| 1229 | 395870.7 | 3870526 | 1.93E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.93E-10 |
| 1019 | 395620.7 | 3870276 | 1.91E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.91E-10 |
| 660 | 395370.7 | 3869526 | 1.90E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.90E-10 |
| 640 | 395570.7 | 3869426 | 1.88E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.88E-10 |
| 935 | 395520.7 | 3870176 | 1.88E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.88E-10 |
| 682 | 395270.7 | 3869626 | 1.87E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.87E-10 |
| 718 | 395270.7 | 3869776 | 1.83E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.83E-10 |
| 1187 | 395820.7 | 3870476 | 1.83E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.83E-10 |
| 649 | 395420.7 | 3869476 | 1.79E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.79E-10 |
| 639 | 395520.7 | 3869426 | 1.78E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.78E-10 |
| 1061 | 395670.7 | 3870326 | 1.77E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.77E-10 |
| 811 | 395470.7 | 3870026 | 1.76E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.76E-10 |
| 1145 | 395770.7 | 3870426 | 1.75E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.75E-10 |
| 659 | 395320.7 | 3869526 | 1.72E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.72E-10 |
| 670 | 395270.7 | 3869576 | 1.72E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.72E-10 |
| 1103 | 395720.7 | 3870376 | 1.72E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.72E-10 |
| 633 | 395820.7 | 3869376 | 1.71E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.71E-10 |
| 743 | 395320.7 | 3869876 | 1.70E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.70E-10 |
| 756 | 395370.7 | 3869926 | 1.70E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.70E-10 |
| 1312 | 395920.7 | 3870626 | 1.69E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.69E-10 |
| 976 | 395520.7 | 3870226 | 1.68E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.68E-10 |
| 769 | 395420.7 | 3869976 | 1.67E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.67E-10 |
| 1018 | 395570.7 | 3870276 | 1.67E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.67E-10 |
| 632 | 395770.7 | 3869376 | 1.66E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.66E-10 |
| 638 | 395470.7 | 3869426 | 1.66E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.66E-10 |
| 648 | 395370.7 | 3869476 | 1.64E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.64E-10 |
| 631 | 395720.7 | 3869376 | 1.63E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-10 |
| 730 | 395270.7 | 3869826 | 1.63E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.63E-10 |
| 1270 | 395870.7 | 3870576 | 1.62E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.62E-10 |
| 852 | 395470.7 | 3870076 | 1.61E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.61E-10 |
| 630 | 395670.7 | 3869376 | 1.60E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.60E-10 |
| 629 | 395620.7 | 3869376 | 1.58E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.58E-10 |
| 628 | 395570.7 | 3869376 | 1.55E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.55E-10 |
| 658 | 395270.7 | 3869526 | 1.55E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.55E-10 |
| 893 | 395470.7 | 3870126 | 1.55E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.55E-10 |
| 1060 | 395620.7 | 3870326 | 1.55E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.55E-10 |
| 1228 | 395820.7 | 3870526 | 1.54E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.54E-10 |
| 637 | 395420.7 | 3869426 | 1.53E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.53E-10 |
| 647 | 395320.7 | 3869476 | 1.49E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-10 |
| 934 | 395470.7 | 3870176 | 1.49E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-10 |
| 627 | 395520.7 | 3869376 | 1.49E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.49E-10 |
| 1186 | 395770.7 | 3870476 | 1.48E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.48E-10 |
| 1017 | 395520.7 | 3870276 | 1.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-10 |

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| 1102 | 395670.7 | 3870376 | 1.46E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.46E-10 |
| 1144 | 395720.7 | 3870426 | 1.44E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.44E-10 |
| 621 | 395820.7 | 3869326 | 1.41E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-10 |
| 626 | 395470.7 | 3869376 | 1.41E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-10 |
| 636 | 395370.7 | 3869426 | 1.41E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.41E-10 |
| 975 | 395470.7 | 3870226 | 1.40E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.40E-10 |
| 742 | 395270.7 | 3869876 | 1.39E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-10 |
| 755 | 395320.7 | 3869926 | 1.39E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-10 |
| 810 | 395420.7 | 3870026 | 1.39E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.39E-10 |
| 1059 | 395570.7 | 3870326 | 1.38E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.38E-10 |
| 1311 | 395870.7 | 3870626 | 1.38E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.38E-10 |
| 620 | 395770.7 | 3869326 | 1.37E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.37E-10 |
| 646 | 395270.7 | 3869476 | 1.37E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.37E-10 |
| 768 | 395370.7 | 3869976 | 1.36E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.36E-10 |
| 619 | 395720.7 | 3869326 | 1.34E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.34E-10 |
| 1269 | 395820.7 | 3870576 | 1.32E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.32E-10 |
| 618 | 395670.7 | 3869326 | 1.31E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-10 |
| 625 | 395420.7 | 3869376 | 1.31E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.31E-10 |
| 617 | 395620.7 | 3869326 | 1.30E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.30E-10 |
| 635 | 395320.7 | 3869426 | 1.30E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.30E-10 |
| 616 | 395570.7 | 3869326 | 1.28E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.28E-10 |
| 1101 | 395620.7 | 3870376 | 1.27E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.27E-10 |
| 1016 | 395470.7 | 3870276 | 1.26E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-10 |
| 1227 | 395770.7 | 3870526 | 1.26E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.26E-10 |
| 615 | 395520.7 | 3869326 | 1.25E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.25E-10 |
| 851 | 395420.7 | 3870076 | 1.25E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.25E-10 |
| 1058 | 395520.7 | 3870326 | 1.23E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.23E-10 |
| 624 | 395370.7 | 3869376 | 1.22E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-10 |
| 1143 | 395670.7 | 3870426 | 1.22E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-10 |
| 1185 | 395720.7 | 3870476 | 1.22E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.22E-10 |
| 614 | 395470.7 | 3869326 | 1.20E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-10 |
| 634 | 395270.7 | 3869426 | 1.20E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-10 |
| 892 | 395420.7 | 3870126 | 1.20E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.20E-10 |
| 933 | 395420.7 | 3870176 | 1.19E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.19E-10 |
| 609 | 395820.7 | 3869276 | 1.18E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.18E-10 |
| 608 | 395770.7 | 3869276 | 1.16E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-10 |
| 974 | 395420.7 | 3870226 | 1.16E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.16E-10 |
| 754 | 395270.7 | 3869926 | 1.15E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.15E-10 |
| 1100 | 395570.7 | 3870376 | 1.15E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.15E-10 |
| 613 | 395420.7 | 3869326 | 1.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-10 |
| 623 | 395320.7 | 3869376 | 1.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-10 |
| 1310 | 395820.7 | 3870626 | 1.14E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.14E-10 |
| 607 | 395720.7 | 3869276 | 1.12E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-10 |
| 767 | 395320.7 | 3869976 | 1.12E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-10 |
| 809 | 395370.7 | 3870026 | 1.12E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.12E-10 |
| 1057 | 395470.7 | 3870326 | 1.11E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.11E-10 |
| 606 | 395670.7 | 3869276 | 1.10E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.10E-10 |
| 605 | 395620.7 | 3869276 | 1.09E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.09E-10 |
| 1268 | 395770.7 | 3870576 | 1.09E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.09E-10 |
| 604 | 395570.7 | 3869276 | 1.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-10 |
| 1015 | 395420.7 | 3870276 | 1.08E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.08E-10 |

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|---|---|---|---|---|---|
| 612 | 395370.7 | 3869326 | 1.07E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-10 |
| 1142 | 395620.7 | 3870426 | 1.07E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.07E-10 |
| 603 | 395520.7 | 3869276 | 1.06E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-10 |
| 622 | 395270.7 | 3869376 | 1.06E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.06E-10 |
| 1226 | 395720.7 | 3870526 | 1.05E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.05E-10 |
| 1099 | 395520.7 | 3870376 | 1.04E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-10 |
| 1184 | 395670.7 | 3870476 | 1.04E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.04E-10 |
| 602 | 395470.7 | 3869276 | 1.03E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.03E-10 |
| 597 | 395820.7 | 3869226 | 1.01E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.01E-10 |
| 611 | 395320.7 | 3869326 | 1.00E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-10 |
| 850 | 395370.7 | 3870076 | 1.00E-10 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 1.00E-10 |
| 601 | 395420.7 | 3869276 | 9.90E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.90E-11 |
| 596 | 395770.7 | 3869226 | 9.80E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.80E-11 |
| 1056 | 395420.7 | 3870326 | 9.71E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.71E-11 |
| 891 | 395370.7 | 3870126 | 9.61E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.61E-11 |
| 932 | 395370.7 | 3870176 | 9.61E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.61E-11 |
| 1141 | 395570.7 | 3870426 | 9.61E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.61E-11 |
| 595 | 395720.7 | 3869226 | 9.51E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.51E-11 |
| 1098 | 395470.7 | 3870376 | 9.51E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.51E-11 |
| 600 | 395370.7 | 3869276 | 9.42E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.42E-11 |
| 610 | 395270.7 | 3869326 | 9.42E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.42E-11 |
| 973 | 395370.7 | 3870226 | 9.42E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.42E-11 |
| 1309 | 395770.7 | 3870626 | 9.42E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.42E-11 |
| 766 | 395270.7 | 3869976 | 9.32E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.32E-11 |
| 594 | 395670.7 | 3869226 | 9.22E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.22E-11 |
| 808 | 395320.7 | 3870026 | 9.22E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.22E-11 |
| 592 | 395570.7 | 3869226 | 9.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.12E-11 |
| 593 | 395620.7 | 3869226 | 9.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.12E-11 |
| 1014 | 395370.7 | 3870276 | 9.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.12E-11 |
| 1183 | 395620.7 | 3870476 | 9.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.12E-11 |
| 1267 | 395720.7 | 3870576 | 9.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.12E-11 |
| 591 | 395520.7 | 3869226 | 9.03E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 9.03E-11 |
| 590 | 395470.7 | 3869226 | 8.93E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.93E-11 |
| 1225 | 395670.7 | 3870526 | 8.93E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.93E-11 |
| 599 | 395320.7 | 3869276 | 8.83E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.83E-11 |
| 1140 | 395520.7 | 3870426 | 8.83E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.83E-11 |
| 585 | 395820.7 | 3869176 | 8.74E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.74E-11 |
| 589 | 395420.7 | 3869226 | 8.64E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.64E-11 |
| 1097 | 395420.7 | 3870376 | 8.64E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.64E-11 |
| 584 | 395770.7 | 3869176 | 8.54E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.54E-11 |
| 1055 | 395370.7 | 3870326 | 8.54E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.54E-11 |
| 598 | 395270.7 | 3869276 | 8.35E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.35E-11 |
| 583 | 395720.7 | 3869176 | 8.25E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.25E-11 |
| 588 | 395370.7 | 3869226 | 8.25E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.25E-11 |
| 1182 | 395570.7 | 3870476 | 8.25E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.25E-11 |
| 849 | 395320.7 | 3870076 | 8.15E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.15E-11 |
| 1139 | 395470.7 | 3870426 | 8.15E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 8.15E-11 |
| 582 | 395670.7 | 3869176 | 7.96E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.96E-11 |
| 1308 | 395720.7 | 3870626 | 7.96E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.96E-11 |
| 581 | 395620.7 | 3869176 | 7.86E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.86E-11 |
| 587 | 395320.7 | 3869226 | 7.86E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.86E-11 |

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| 1224 | 395620.7 | 3870526 | 7.86E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.86E-11 |
| 1266 | 395670.7 | 3870576 | 7.86E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.86E-11 |
| 579 | 395520.7 | 3869176 | 7.77E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.77E-11 |
| 580 | 395570.7 | 3869176 | 7.77E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.77E-11 |
| 807 | 395270.7 | 3870026 | 7.77E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.77E-11 |
| 890 | 395320.7 | 3870126 | 7.77E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.77E-11 |
| 931 | 395320.7 | 3870176 | 7.77E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.77E-11 |
| 972 | 395320.7 | 3870226 | 7.77E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.77E-11 |
| 1096 | 395370.7 | 3870376 | 7.77E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.77E-11 |
| 573 | 395820.7 | 3869126 | 7.67E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.67E-11 |
| 578 | 395470.7 | 3869176 | 7.67E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.67E-11 |
| 1013 | 395320.7 | 3870276 | 7.67E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.67E-11 |
| 577 | 395420.7 | 3869176 | 7.57E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.57E-11 |
| 1138 | 395420.7 | 3870426 | 7.57E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.57E-11 |
| 572 | 395770.7 | 3869126 | 7.47E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.47E-11 |
| 1181 | 395520.7 | 3870476 | 7.47E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.47E-11 |
| 586 | 395270.7 | 3869226 | 7.38E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.38E-11 |
| 1054 | 395320.7 | 3870326 | 7.38E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.38E-11 |
| 576 | 395370.7 | 3869176 | 7.28E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.28E-11 |
| 571 | 395720.7 | 3869126 | 7.18E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.18E-11 |
| 1223 | 395570.7 | 3870526 | 7.09E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 7.09E-11 |
| 570 | 395670.7 | 3869126 | 6.99E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.99E-11 |
| 575 | 395320.7 | 3869176 | 6.99E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.99E-11 |
| 1095 | 395320.7 | 3870376 | 6.99E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.99E-11 |
| 1137 | 395370.7 | 3870426 | 6.99E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.99E-11 |
| 1180 | 395470.7 | 3870476 | 6.99E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.99E-11 |
| 1265 | 395620.7 | 3870576 | 6.89E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.89E-11 |
| 1307 | 395670.7 | 3870626 | 6.89E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.89E-11 |
| 561 | 395820.7 | 3869076 | 6.79E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.79E-11 |
| 569 | 395620.7 | 3869126 | 6.79E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.79E-11 |
| 848 | 395270.7 | 3870076 | 6.79E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.79E-11 |
| 566 | 395470.7 | 3869126 | 6.70E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.70E-11 |
| 567 | 395520.7 | 3869126 | 6.70E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.70E-11 |
| 568 | 395570.7 | 3869126 | 6.70E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.70E-11 |
| 574 | 395270.7 | 3869176 | 6.70E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.70E-11 |
| 560 | 395770.7 | 3869076 | 6.60E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.60E-11 |
| 565 | 395420.7 | 3869126 | 6.60E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.60E-11 |
| 564 | 395370.7 | 3869126 | 6.50E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.50E-11 |
| 1012 | 395270.7 | 3870276 | 6.50E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.50E-11 |
| 1179 | 395420.7 | 3870476 | 6.50E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.50E-11 |
| 1222 | 395520.7 | 3870526 | 6.50E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.50E-11 |
| 559 | 395720.7 | 3869076 | 6.41E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.41E-11 |
| 889 | 395270.7 | 3870126 | 6.41E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.41E-11 |
| 971 | 395270.7 | 3870226 | 6.41E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.41E-11 |
| 1053 | 395270.7 | 3870326 | 6.41E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.41E-11 |
| 1136 | 395320.7 | 3870426 | 6.41E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.41E-11 |
| 563 | 395320.7 | 3869126 | 6.31E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.31E-11 |
| 930 | 395270.7 | 3870176 | 6.31E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.31E-11 |
| 1094 | 395270.7 | 3870376 | 6.21E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.21E-11 |
| 1264 | 395570.7 | 3870576 | 6.21E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.21E-11 |
| 549 | 395820.7 | 3869026 | 6.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.12E-11 |

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|---|---|---|---|---|---|
| 558 | 395670.7 | 3869076 | 6.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.12E-11 |
| 1178 | 395370.7 | 3870476 | 6.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.12E-11 |
| 1306 | 395620.7 | 3870626 | 6.12E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.12E-11 |
| 562 | 395270.7 | 3869126 | 6.02E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.02E-11 |
| 1221 | 395470.7 | 3870526 | 6.02E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 6.02E-11 |
| 548 | 395770.7 | 3869026 | 5.92E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.92E-11 |
| 556 | 395570.7 | 3869076 | 5.92E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.92E-11 |
| 557 | 395620.7 | 3869076 | 5.92E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.92E-11 |
| 553 | 395420.7 | 3869076 | 5.82E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.82E-11 |
| 554 | 395470.7 | 3869076 | 5.82E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.82E-11 |
| 555 | 395520.7 | 3869076 | 5.82E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.82E-11 |
| 1135 | 395270.7 | 3870426 | 5.82E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.82E-11 |
| 547 | 395720.7 | 3869026 | 5.73E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.73E-11 |
| 552 | 395370.7 | 3869076 | 5.73E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.73E-11 |
| 1177 | 395320.7 | 3870476 | 5.73E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.73E-11 |
| 551 | 395320.7 | 3869076 | 5.63E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.63E-11 |
| 1220 | 395420.7 | 3870526 | 5.63E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.63E-11 |
| 1263 | 395520.7 | 3870576 | 5.63E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.63E-11 |
| 1305 | 395570.7 | 3870626 | 5.53E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.53E-11 |
| 537 | 395820.7 | 3868976 | 5.44E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.44E-11 |
| 546 | 395670.7 | 3869026 | 5.44E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.44E-11 |
| 550 | 395270.7 | 3869076 | 5.44E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.44E-11 |
| 536 | 395770.7 | 3868976 | 5.34E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.34E-11 |
| 1176 | 395270.7 | 3870476 | 5.34E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.34E-11 |
| 1219 | 395370.7 | 3870526 | 5.34E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.34E-11 |
| 545 | 395620.7 | 3869026 | 5.24E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.24E-11 |
| 1262 | 395470.7 | 3870576 | 5.24E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.24E-11 |
| 535 | 395720.7 | 3868976 | 5.14E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.14E-11 |
| 540 | 395370.7 | 3869026 | 5.14E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.14E-11 |
| 541 | 395420.7 | 3869026 | 5.14E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.14E-11 |
| 542 | 395470.7 | 3869026 | 5.14E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.14E-11 |
| 543 | 395520.7 | 3869026 | 5.14E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.14E-11 |
| 544 | 395570.7 | 3869026 | 5.14E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.14E-11 |
| 1218 | 395320.7 | 3870526 | 5.14E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.14E-11 |
| 539 | 395320.7 | 3869026 | 5.05E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.05E-11 |
| 1304 | 395520.7 | 3870626 | 5.05E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 5.05E-11 |
| 525 | 395820.7 | 3868926 | 4.95E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.95E-11 |
| 534 | 395670.7 | 3868976 | 4.95E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.95E-11 |
| 1261 | 395420.7 | 3870576 | 4.95E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.95E-11 |
| 524 | 395770.7 | 3868926 | 4.85E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.85E-11 |
| 538 | 395270.7 | 3869026 | 4.85E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.85E-11 |
| 1217 | 395270.7 | 3870526 | 4.85E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.85E-11 |
| 533 | 395620.7 | 3868976 | 4.76E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.76E-11 |
| 1260 | 395370.7 | 3870576 | 4.76E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.76E-11 |
| 523 | 395720.7 | 3868926 | 4.66E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.66E-11 |
| 532 | 395570.7 | 3868976 | 4.66E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.66E-11 |
| 1303 | 395470.7 | 3870626 | 4.66E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.66E-11 |
| 513 | 395820.7 | 3868876 | 4.56E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-11 |
| 527 | 395320.7 | 3868976 | 4.56E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-11 |
| 528 | 395370.7 | 3868976 | 4.56E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-11 |
| 529 | 395420.7 | 3868976 | 4.56E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-11 |

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|---|---|---|---|---|---|
| 530 | 395470.7 | 3868976 | 4.56E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-11 |
| 531 | 395520.7 | 3868976 | 4.56E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-11 |
| 1259 | 395320.7 | 3870576 | 4.56E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.56E-11 |
| 512 | 395770.7 | 3868876 | 4.46E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.46E-11 |
| 522 | 395670.7 | 3868926 | 4.46E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.46E-11 |
| 526 | 395270.7 | 3868976 | 4.46E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.46E-11 |
| 1258 | 395270.7 | 3870576 | 4.37E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.37E-11 |
| 1302 | 395420.7 | 3870626 | 4.37E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.37E-11 |
| 511 | 395720.7 | 3868876 | 4.27E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.27E-11 |
| 521 | 395620.7 | 3868926 | 4.27E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.27E-11 |
| 501 | 395820.7 | 3868826 | 4.17E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.17E-11 |
| 520 | 395570.7 | 3868926 | 4.17E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.17E-11 |
| 1301 | 395370.7 | 3870626 | 4.17E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.17E-11 |
| 500 | 395770.7 | 3868826 | 4.08E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-11 |
| 510 | 395670.7 | 3868876 | 4.08E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-11 |
| 515 | 395320.7 | 3868926 | 4.08E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-11 |
| 516 | 395370.7 | 3868926 | 4.08E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-11 |
| 517 | 395420.7 | 3868926 | 4.08E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-11 |
| 518 | 395470.7 | 3868926 | 4.08E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-11 |
| 519 | 395520.7 | 3868926 | 4.08E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 4.08E-11 |
| 499 | 395720.7 | 3868826 | 3.98E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.98E-11 |
| 514 | 395270.7 | 3868926 | 3.98E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.98E-11 |
| 1300 | 395320.7 | 3870626 | 3.98E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.98E-11 |
| 489 | 395820.7 | 3868776 | 3.88E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.88E-11 |
| 509 | 395620.7 | 3868876 | 3.88E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.88E-11 |
| 1299 | 395270.7 | 3870626 | 3.88E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.88E-11 |
| 488 | 395770.7 | 3868776 | 3.79E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.79E-11 |
| 498 | 395670.7 | 3868826 | 3.79E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.79E-11 |
| 508 | 395570.7 | 3868876 | 3.79E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.79E-11 |
| 487 | 395720.7 | 3868776 | 3.69E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-11 |
| 502 | 395270.7 | 3868876 | 3.69E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-11 |
| 503 | 395320.7 | 3868876 | 3.69E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-11 |
| 504 | 395370.7 | 3868876 | 3.69E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-11 |
| 505 | 395420.7 | 3868876 | 3.69E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-11 |
| 506 | 395470.7 | 3868876 | 3.69E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-11 |
| 507 | 395520.7 | 3868876 | 3.69E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.69E-11 |
| 476 | 395770.7 | 3868726 | 3.59E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.59E-11 |
| 477 | 395820.7 | 3868726 | 3.59E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.59E-11 |
| 497 | 395620.7 | 3868826 | 3.59E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.59E-11 |
| 486 | 395670.7 | 3868776 | 3.49E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.49E-11 |
| 496 | 395570.7 | 3868826 | 3.49E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.49E-11 |
| 465 | 395820.7 | 3868676 | 3.40E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.40E-11 |
| 475 | 395720.7 | 3868726 | 3.40E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.40E-11 |
| 495 | 395520.7 | 3868826 | 3.40E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.40E-11 |
| 464 | 395770.7 | 3868676 | 3.30E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.30E-11 |
| 474 | 395670.7 | 3868726 | 3.30E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.30E-11 |
| 485 | 395620.7 | 3868776 | 3.30E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.30E-11 |
| 490 | 395270.7 | 3868826 | 3.30E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.30E-11 |
| 491 | 395320.7 | 3868826 | 3.30E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.30E-11 |
| 492 | 395370.7 | 3868826 | 3.30E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.30E-11 |
| 493 | 395420.7 | 3868826 | 3.30E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.30E-11 |

| | | | | | |
|---|---|---|---|---|---|
| 494 | 395470.7 | 3868826 | 3.30E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.30E-11 |
| 463 | 395720.7 | 3868676 | 3.20E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.20E-11 |
| 484 | 395570.7 | 3868776 | 3.20E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.20E-11 |
| 452 | 395770.7 | 3868626 | 3.11E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.11E-11 |
| 453 | 395820.7 | 3868626 | 3.11E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.11E-11 |
| 462 | 395670.7 | 3868676 | 3.11E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.11E-11 |
| 473 | 395620.7 | 3868726 | 3.11E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.11E-11 |
| 483 | 395520.7 | 3868776 | 3.11E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.11E-11 |
| 451 | 395720.7 | 3868626 | 3.01E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-11 |
| 472 | 395570.7 | 3868726 | 3.01E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-11 |
| 478 | 395270.7 | 3868776 | 3.01E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-11 |
| 479 | 395320.7 | 3868776 | 3.01E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-11 |
| 480 | 395370.7 | 3868776 | 3.01E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-11 |
| 481 | 395420.7 | 3868776 | 3.01E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-11 |
| 482 | 395470.7 | 3868776 | 3.01E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 3.01E-11 |
| 450 | 395670.7 | 3868626 | 2.91E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.91E-11 |
| 461 | 395620.7 | 3868676 | 2.91E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.91E-11 |
| 460 | 395570.7 | 3868676 | 2.81E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-11 |
| 470 | 395470.7 | 3868726 | 2.81E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-11 |
| 471 | 395520.7 | 3868726 | 2.81E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.81E-11 |
| 449 | 395620.7 | 3868626 | 2.72E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.72E-11 |
| 466 | 395270.7 | 3868726 | 2.72E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.72E-11 |
| 467 | 395320.7 | 3868726 | 2.72E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.72E-11 |
| 468 | 395370.7 | 3868726 | 2.72E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.72E-11 |
| 469 | 395420.7 | 3868726 | 2.72E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.72E-11 |
| 448 | 395570.7 | 3868626 | 2.62E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.62E-11 |
| 458 | 395470.7 | 3868676 | 2.62E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.62E-11 |
| 459 | 395520.7 | 3868676 | 2.62E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.62E-11 |
| 447 | 395520.7 | 3868626 | 2.52E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.52E-11 |
| 454 | 395270.7 | 3868676 | 2.52E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.52E-11 |
| 455 | 395320.7 | 3868676 | 2.52E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.52E-11 |
| 456 | 395370.7 | 3868676 | 2.52E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.52E-11 |
| 457 | 395420.7 | 3868676 | 2.52E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.52E-11 |
| 446 | 395470.7 | 3868626 | 2.43E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.43E-11 |
| 442 | 395270.7 | 3868626 | 2.33E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.33E-11 |
| 443 | 395320.7 | 3868626 | 2.33E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.33E-11 |
| 444 | 395370.7 | 3868626 | 2.33E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.33E-11 |
| 445 | 395420.7 | 3868626 | 2.33E-11 | 30YrCancerDerived_InhSoilDermMMilk_FAH16to70 | 2.33E-11 |

**Edwards AFB Solar Facility Project - Operational HRA - Non-Cancer Chronic Risk**

**HARP 2 - Air Dispersion Modeling and Risk Tool v17320
**2/10/2018
** Chronic Risk Results of All Discrete Sensitive Receptor Points Are Shown - Descending From Maximum to Minimum

| REC | X | Y | SCENARIO | RESP | MAXHI |
|---|---|---|---|---|---|
| 779 | 395920.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.13E-05 | 2.13E-05 |
| 780 | 395970.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.65E-05 | 1.65E-05 |
| 781 | 396020.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 7.98E-06 | 7.98E-06 |
| 821 | 395970.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 7.29E-06 | 7.29E-06 |
| 822 | 396020.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.77E-06 | 5.77E-06 |
| 778 | 395870.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 5.65E-06 | 5.65E-06 |
| 820 | 395920.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.09E-06 | 5.09E-06 |
| 782 | 396070.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 4.18E-06 | 4.18E-06 |
| 753 | 395820.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 4.02E-06 | 4.02E-06 |
| 823 | 396070.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 3.79E-06 | 3.79E-06 |
| 863 | 396020.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 3.47E-06 | 3.47E-06 |
| 765 | 395820.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.33E-06 | 3.33E-06 |
| 862 | 395970.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 3.17E-06 | 3.17E-06 |
| 864 | 396070.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.90E-06 | 2.90E-06 |
| 783 | 396120.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.47E-06 | 2.47E-06 |
| 824 | 396120.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.45E-06 | 2.45E-06 |
| 865 | 396120.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.17E-06 | 2.17E-06 |
| 905 | 396070.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.00E-06 | 2.00E-06 |
| 904 | 396020.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.99E-06 | 1.99E-06 |
| 741 | 395820.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.90E-06 | 1.90E-06 |
| 861 | 395920.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.89E-06 | 1.89E-06 |
| 906 | 396120.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.74E-06 | 1.74E-06 |
| 819 | 395870.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.74E-06 | 1.74E-06 |
| 825 | 396170.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.65E-06 | 1.65E-06 |
| 784 | 396170.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.60E-06 | 1.60E-06 |
| 866 | 396170.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-06 | 1.58E-06 |
| 903 | 395970.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.54E-06 | 1.54E-06 |
| 777 | 395820.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.53E-06 | 1.53E-06 |
| 752 | 395770.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-06 | 1.41E-06 |
| 907 | 396170.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.40E-06 | 1.40E-06 |
| 946 | 396070.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.33E-06 | 1.33E-06 |
| 947 | 396120.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-06 | 1.30E-06 |
| 945 | 396020.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.16E-06 | 1.16E-06 |
| 826 | 396220.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.16E-06 | 1.16E-06 |
| 867 | 396220.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-06 | 1.15E-06 |
| 948 | 396170.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-06 | 1.15E-06 |
| 785 | 396220.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-06 | 1.12E-06 |
| 740 | 395770.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-06 | 1.10E-06 |
| 908 | 396220.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-06 | 1.09E-06 |
| 764 | 395770.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.04E-06 | 1.04E-06 |
| 949 | 396220.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 9.69E-07 | 9.69E-07 |
| 988 | 396120.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 9.36E-07 | 9.36E-07 |
| 902 | 395920.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.15E-07 | 9.15E-07 |
| 989 | 396170.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 9.07E-07 | 9.07E-07 |
| 987 | 396070.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.72E-07 | 8.72E-07 |

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|---|---|---|---|---|---|
| 868 | 396270.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 8.63E-07 | 8.63E-07 |
| 827 | 396270.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 8.52E-07 | 8.52E-07 |
| 944 | 395970.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.48E-07 | 8.48E-07 |
| 909 | 396270.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.45E-07 | 8.45E-07 |
| 990 | 396220.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.20E-07 | 8.20E-07 |
| 786 | 396270.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 8.18E-07 | 8.18E-07 |
| 860 | 395870.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 8.16E-07 | 8.16E-07 |
| 729 | 395820.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 8.15E-07 | 8.15E-07 |
| 950 | 396270.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.92E-07 | 7.92E-07 |
| 818 | 395820.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 7.51E-07 | 7.51E-07 |
| 986 | 396020.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.15E-07 | 7.15E-07 |
| 991 | 396270.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.10E-07 | 7.10E-07 |
| 1030 | 396170.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.92E-07 | 6.92E-07 |
| 1031 | 396220.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.67E-07 | 6.67E-07 |
| 1029 | 396120.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.67E-07 | 6.67E-07 |
| 751 | 395720.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 6.66E-07 | 6.66E-07 |
| 869 | 396320.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 6.62E-07 | 6.62E-07 |
| 910 | 396320.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.62E-07 | 6.62E-07 |
| 728 | 395770.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 6.53E-07 | 6.53E-07 |
| 776 | 395770.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 6.53E-07 | 6.53E-07 |
| 828 | 396320.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 6.48E-07 | 6.48E-07 |
| 951 | 396320.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.42E-07 | 6.42E-07 |
| 739 | 395720.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 6.41E-07 | 6.41E-07 |
| 787 | 396320.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 6.24E-07 | 6.24E-07 |
| 1032 | 396270.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.11E-07 | 6.11E-07 |
| 992 | 396320.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.00E-07 | 6.00E-07 |
| 1028 | 396070.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.85E-07 | 5.85E-07 |
| 1033 | 396320.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.41E-07 | 5.41E-07 |
| 1072 | 396220.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.30E-07 | 5.30E-07 |
| 911 | 396370.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.26E-07 | 5.26E-07 |
| 943 | 395920.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.22E-07 | 5.22E-07 |
| 952 | 396370.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.21E-07 | 5.21E-07 |
| 1071 | 396170.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.21E-07 | 5.21E-07 |
| 870 | 396370.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 5.20E-07 | 5.20E-07 |
| 985 | 395970.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.13E-07 | 5.13E-07 |
| 1073 | 396270.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.11E-07 | 5.11E-07 |
| 829 | 396370.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.09E-07 | 5.09E-07 |
| 993 | 396370.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.02E-07 | 5.02E-07 |
| 788 | 396370.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 4.91E-07 | 4.91E-07 |
| 763 | 395720.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 4.84E-07 | 4.84E-07 |
| 1070 | 396120.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.76E-07 | 4.76E-07 |
| 727 | 395720.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 4.74E-07 | 4.74E-07 |
| 1074 | 396320.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.73E-07 | 4.73E-07 |
| 1034 | 396370.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.69E-07 | 4.69E-07 |
| 1027 | 396020.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.64E-07 | 4.64E-07 |
| 901 | 395870.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 4.59E-07 | 4.59E-07 |
| 817 | 395770.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 4.31E-07 | 4.31E-07 |
| 953 | 396420.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 4.26E-07 | 4.26E-07 |
| 1075 | 396370.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.26E-07 | 4.26E-07 |
| 912 | 396420.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 4.25E-07 | 4.25E-07 |
| 717 | 395820.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 4.19E-07 | 4.19E-07 |
| 994 | 396420.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 4.19E-07 | 4.19E-07 |

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|---|---|---|---|---|---|
| 859 | 395820.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 4.18E-07 | 4.18E-07 |
| 871 | 396420.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 4.18E-07 | 4.18E-07 |
| 1114 | 396270.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.18E-07 | 4.18E-07 |
| 1113 | 396220.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.15E-07 | 4.15E-07 |
| 830 | 396420.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 4.09E-07 | 4.09E-07 |
| 1069 | 396070.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.03E-07 | 4.03E-07 |
| 1115 | 396320.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.03E-07 | 4.03E-07 |
| 1035 | 396420.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.02E-07 | 4.02E-07 |
| 738 | 395670.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 3.98E-07 | 3.98E-07 |
| 789 | 396420.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.96E-07 | 3.96E-07 |
| 1112 | 396170.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.91E-07 | 3.91E-07 |
| 716 | 395770.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 3.81E-07 | 3.81E-07 |
| 1116 | 396370.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.77E-07 | 3.77E-07 |
| 1076 | 396420.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.76E-07 | 3.76E-07 |
| 750 | 395670.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 3.73E-07 | 3.73E-07 |
| 954 | 396470.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 3.52E-07 | 3.52E-07 |
| 995 | 396470.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.51E-07 | 3.51E-07 |
| 913 | 396470.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 3.48E-07 | 3.48E-07 |
| 1111 | 396120.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.46E-07 | 3.46E-07 |
| 1117 | 396420.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.44E-07 | 3.44E-07 |
| 1036 | 396470.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.43E-07 | 3.43E-07 |
| 872 | 396470.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 3.43E-07 | 3.43E-07 |
| 1155 | 396270.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.38E-07 | 3.38E-07 |
| 1156 | 396320.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.38E-07 | 3.38E-07 |
| 726 | 395670.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 3.37E-07 | 3.37E-07 |
| 831 | 396470.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 3.36E-07 | 3.36E-07 |
| 1026 | 395970.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.34E-07 | 3.34E-07 |
| 984 | 395920.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.30E-07 | 3.30E-07 |
| 775 | 395720.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.29E-07 | 3.29E-07 |
| 1077 | 396470.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.29E-07 | 3.29E-07 |
| 790 | 396470.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.26E-07 | 3.26E-07 |
| 1157 | 396370.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.26E-07 | 3.26E-07 |
| 1154 | 396220.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.24E-07 | 3.24E-07 |
| 715 | 395720.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 3.20E-07 | 3.20E-07 |
| 1068 | 396020.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.16E-07 | 3.16E-07 |
| 1118 | 396470.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.08E-07 | 3.08E-07 |
| 1158 | 396420.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.07E-07 | 3.07E-07 |
| 996 | 396520.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.96E-07 | 2.96E-07 |
| 1153 | 396170.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.95E-07 | 2.95E-07 |
| 955 | 396520.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.94E-07 | 2.94E-07 |
| 1037 | 396520.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.93E-07 | 2.93E-07 |
| 942 | 395870.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.91E-07 | 2.91E-07 |
| 914 | 396520.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.90E-07 | 2.90E-07 |
| 1110 | 396070.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.87E-07 | 2.87E-07 |
| 1078 | 396520.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.86E-07 | 2.86E-07 |
| 873 | 396520.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.85E-07 | 2.85E-07 |
| 1159 | 396470.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.83E-07 | 2.83E-07 |
| 832 | 396520.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.80E-07 | 2.80E-07 |
| 1197 | 396320.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.80E-07 | 2.80E-07 |
| 1198 | 396370.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.78E-07 | 2.78E-07 |
| 858 | 395770.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.76E-07 | 2.76E-07 |
| 791 | 396520.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.74E-07 | 2.74E-07 |

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|---|---|---|---|---|---|
| 1119 | 396520.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.74E-07 | 2.74E-07 |
| 1196 | 396270.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.71E-07 | 2.71E-07 |
| 762 | 395670.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 2.70E-07 | 2.70E-07 |
| 1199 | 396420.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.69E-07 | 2.69E-07 |
| 737 | 395620.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 2.63E-07 | 2.63E-07 |
| 900 | 395820.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.61E-07 | 2.61E-07 |
| 1160 | 396520.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.57E-07 | 2.57E-07 |
| 1152 | 396120.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.56E-07 | 2.56E-07 |
| 714 | 395670.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.55E-07 | 2.55E-07 |
| 816 | 395720.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.55E-07 | 2.55E-07 |
| 1200 | 396470.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.55E-07 | 2.55E-07 |
| 1195 | 396220.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.53E-07 | 2.53E-07 |
| 1038 | 396570.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.52E-07 | 2.52E-07 |
| 997 | 396570.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.51E-07 | 2.51E-07 |
| 956 | 396570.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.49E-07 | 2.49E-07 |
| 1079 | 396570.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.48E-07 | 2.48E-07 |
| 705 | 395820.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.48E-07 | 2.48E-07 |
| 915 | 396570.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.45E-07 | 2.45E-07 |
| 725 | 395620.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 2.44E-07 | 2.44E-07 |
| 1120 | 396570.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.41E-07 | 2.41E-07 |
| 874 | 396570.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.41E-07 | 2.41E-07 |
| 833 | 396570.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.38E-07 | 2.38E-07 |
| 704 | 395770.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.37E-07 | 2.37E-07 |
| 1201 | 396520.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.37E-07 | 2.37E-07 |
| 1239 | 396370.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.35E-07 | 2.35E-07 |
| 1240 | 396420.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.33E-07 | 2.33E-07 |
| 792 | 396570.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.32E-07 | 2.32E-07 |
| 749 | 395620.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 2.32E-07 | 2.32E-07 |
| 1161 | 396570.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.31E-07 | 2.31E-07 |
| 1238 | 396320.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.30E-07 | 2.30E-07 |
| 1067 | 395970.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.27E-07 | 2.27E-07 |
| 1194 | 396170.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.26E-07 | 2.26E-07 |
| 1241 | 396470.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.26E-07 | 2.26E-07 |
| 1109 | 396020.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.24E-07 | 2.24E-07 |
| 1025 | 395920.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.19E-07 | 2.19E-07 |
| 1237 | 396270.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.18E-07 | 2.18E-07 |
| 1202 | 396570.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.17E-07 | 2.17E-07 |
| 1039 | 396620.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.17E-07 | 2.17E-07 |
| 1080 | 396620.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.16E-07 | 2.16E-07 |
| 703 | 395720.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 2.15E-07 | 2.15E-07 |
| 998 | 396620.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.15E-07 | 2.15E-07 |
| 1242 | 396520.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.15E-07 | 2.15E-07 |
| 957 | 396620.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.13E-07 | 2.13E-07 |
| 1121 | 396620.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.12E-07 | 2.12E-07 |
| 1151 | 396070.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.10E-07 | 2.10E-07 |
| 916 | 396620.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.10E-07 | 2.10E-07 |
| 875 | 396620.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.06E-07 | 2.06E-07 |
| 1162 | 396620.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.06E-07 | 2.06E-07 |
| 834 | 396620.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.04E-07 | 2.04E-07 |
| 1243 | 396570.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.01E-07 | 2.01E-07 |
| 713 | 395620.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 2.01E-07 | 2.01E-07 |
| 793 | 396620.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.00E-07 | 2.00E-07 |

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|---|---|---|---|---|---|
| 1281 | 396420.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.00E-07 | 2.00E-07 |
| 983 | 395870.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.99E-07 | 1.99E-07 |
| 1236 | 396220.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.99E-07 | 1.99E-07 |
| 1282 | 396470.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.98E-07 | 1.98E-07 |
| 1203 | 396620.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.97E-07 | 1.97E-07 |
| 1280 | 396370.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.97E-07 | 1.97E-07 |
| 857 | 395720.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.93E-07 | 1.93E-07 |
| 1193 | 396120.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.93E-07 | 1.93E-07 |
| 1283 | 396520.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.92E-07 | 1.92E-07 |
| 774 | 395670.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.91E-07 | 1.91E-07 |
| 1081 | 396670.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.89E-07 | 1.89E-07 |
| 1279 | 396320.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.89E-07 | 1.89E-07 |
| 1040 | 396670.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.88E-07 | 1.88E-07 |
| 1122 | 396670.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.87E-07 | 1.87E-07 |
| 999 | 396670.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.86E-07 | 1.86E-07 |
| 702 | 395670.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.86E-07 | 1.86E-07 |
| 1244 | 396620.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.86E-07 | 1.86E-07 |
| 899 | 395770.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.84E-07 | 1.84E-07 |
| 1163 | 396670.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.84E-07 | 1.84E-07 |
| 958 | 396670.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.84E-07 | 1.84E-07 |
| 1284 | 396570.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.83E-07 | 1.83E-07 |
| 736 | 395570.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.82E-07 | 1.82E-07 |
| 917 | 396670.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.81E-07 | 1.81E-07 |
| 941 | 395820.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.81E-07 | 1.81E-07 |
| 724 | 395570.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.80E-07 | 1.80E-07 |
| 876 | 396670.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.79E-07 | 1.79E-07 |
| 1204 | 396670.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.78E-07 | 1.78E-07 |
| 835 | 396670.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.77E-07 | 1.77E-07 |
| 794 | 396668.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 1.76E-07 | 1.76E-07 |
| 1278 | 396270.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.76E-07 | 1.76E-07 |
| 1235 | 396170.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.75E-07 | 1.75E-07 |
| 1285 | 396620.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.73E-07 | 1.73E-07 |
| 1323 | 396470.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.72E-07 | 1.72E-07 |
| 1245 | 396670.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.70E-07 | 1.70E-07 |
| 1322 | 396420.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.70E-07 | 1.70E-07 |
| 1324 | 396520.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.70E-07 | 1.70E-07 |
| 761 | 395620.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.69E-07 | 1.69E-07 |
| 1082 | 396720.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.65E-07 | 1.65E-07 |
| 1123 | 396720.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.65E-07 | 1.65E-07 |
| 1325 | 396570.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.65E-07 | 1.65E-07 |
| 1041 | 396720.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-07 | 1.64E-07 |
| 1321 | 396370.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-07 | 1.64E-07 |
| 1164 | 396720.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-07 | 1.64E-07 |
| 1000 | 396720.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-07 | 1.62E-07 |
| 1108 | 395970.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-07 | 1.62E-07 |
| 1150 | 396020.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-07 | 1.62E-07 |
| 693 | 395820.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.61E-07 | 1.61E-07 |
| 1286 | 396670.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.61E-07 | 1.61E-07 |
| 1205 | 396720.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.60E-07 | 1.60E-07 |
| 959 | 396720.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.60E-07 | 1.60E-07 |
| 815 | 395670.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-07 | 1.58E-07 |
| 712 | 395570.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-07 | 1.58E-07 |

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|---|---|---|---|---|---|
| 1326 | 396620.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-07 | 1.58E-07 |
| 918 | 396720.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-07 | 1.58E-07 |
| 1277 | 396220.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.58E-07 | 1.58E-07 |
| 692 | 395770.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.57E-07 | 1.57E-07 |
| 1192 | 396070.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.57E-07 | 1.57E-07 |
| 1066 | 395920.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.57E-07 | 1.57E-07 |
| 701 | 395620.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.56E-07 | 1.56E-07 |
| 877 | 396720.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.56E-07 | 1.56E-07 |
| 1246 | 396720.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-07 | 1.55E-07 |
| 1320 | 396320.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-07 | 1.55E-07 |
| 748 | 395570.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-07 | 1.55E-07 |
| 836 | 396720.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-07 | 1.55E-07 |
| 795 | 396718.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 1.54E-07 | 1.54E-07 |
| 1327 | 396670.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-07 | 1.50E-07 |
| 691 | 395720.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-07 | 1.49E-07 |
| 1287 | 396720.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.49E-07 | 1.49E-07 |
| 1234 | 396120.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.48E-07 | 1.48E-07 |
| 1124 | 396770.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.47E-07 | 1.47E-07 |
| 1165 | 396770.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.46E-07 | 1.46E-07 |
| 1083 | 396770.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.46E-07 | 1.46E-07 |
| 1024 | 395870.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.45E-07 | 1.45E-07 |
| 1042 | 396770.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.45E-07 | 1.45E-07 |
| 1206 | 396770.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.44E-07 | 1.44E-07 |
| 1001 | 396770.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.42E-07 | 1.42E-07 |
| 1319 | 396270.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.42E-07 | 1.42E-07 |
| 1247 | 396770.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-07 | 1.41E-07 |
| 898 | 395720.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-07 | 1.41E-07 |
| 960 | 396770.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.40E-07 | 1.40E-07 |
| 1328 | 396720.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.40E-07 | 1.40E-07 |
| 919 | 396770.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.39E-07 | 1.39E-07 |
| 878 | 396770.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.38E-07 | 1.38E-07 |
| 1276 | 396170.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.37E-07 | 1.37E-07 |
| 837 | 396770.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-07 | 1.36E-07 |
| 1288 | 396770.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-07 | 1.36E-07 |
| 690 | 395670.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-07 | 1.36E-07 |
| 796 | 396768.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-07 | 1.36E-07 |
| 723 | 395520.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.36E-07 | 1.36E-07 |
| 856 | 395670.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-07 | 1.35E-07 |
| 982 | 395820.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.32E-07 | 1.32E-07 |
| 940 | 395770.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.31E-07 | 1.31E-07 |
| 1166 | 396820.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.31E-07 | 1.31E-07 |
| 1329 | 396770.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.31E-07 | 1.31E-07 |
| 735 | 395520.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-07 | 1.30E-07 |
| 1125 | 396820.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-07 | 1.30E-07 |
| 700 | 395570.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-07 | 1.30E-07 |
| 1207 | 396820.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-07 | 1.30E-07 |
| 1084 | 396820.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.29E-07 | 1.29E-07 |
| 1248 | 396820.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.28E-07 | 1.28E-07 |
| 1043 | 396820.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.28E-07 | 1.28E-07 |
| 1002 | 396820.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-07 | 1.26E-07 |
| 1318 | 396220.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-07 | 1.26E-07 |
| 711 | 395520.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-07 | 1.26E-07 |

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|---|---|---|---|---|---|
| 1289 | 396820.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.25E-07 | 1.25E-07 |
| 961 | 396820.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.24E-07 | 1.24E-07 |
| 773 | 395620.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.24E-07 | 1.24E-07 |
| 920 | 396820.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.23E-07 | 1.23E-07 |
| 879 | 396820.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.22E-07 | 1.22E-07 |
| 1191 | 396020.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.22E-07 | 1.22E-07 |
| 838 | 396820.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-07 | 1.21E-07 |
| 1149 | 395970.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-07 | 1.21E-07 |
| 797 | 396818.3 | 3869988 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-07 | 1.21E-07 |
| 1330 | 396820.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-07 | 1.21E-07 |
| 689 | 395620.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.20E-07 | 1.20E-07 |
| 1233 | 396070.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.20E-07 | 1.20E-07 |
| 1167 | 396870.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.17E-07 | 1.17E-07 |
| 1107 | 395920.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.17E-07 | 1.17E-07 |
| 1208 | 396870.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.17E-07 | 1.17E-07 |
| 1126 | 396870.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.16E-07 | 1.16E-07 |
| 760 | 395570.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.16E-07 | 1.16E-07 |
| 1249 | 396870.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.16E-07 | 1.16E-07 |
| 1085 | 396870.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-07 | 1.15E-07 |
| 1275 | 396120.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.15E-07 | 1.15E-07 |
| 1290 | 396870.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-07 | 1.14E-07 |
| 1044 | 396870.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-07 | 1.14E-07 |
| 1003 | 396870.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-07 | 1.12E-07 |
| 681 | 395820.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-07 | 1.12E-07 |
| 1331 | 396870.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-07 | 1.12E-07 |
| 962 | 396870.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.11E-07 | 1.11E-07 |
| 747 | 395520.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-07 | 1.10E-07 |
| 921 | 396870.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-07 | 1.10E-07 |
| 680 | 395770.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-07 | 1.10E-07 |
| 880 | 396870.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-07 | 1.09E-07 |
| 1065 | 395870.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-07 | 1.09E-07 |
| 1317 | 396170.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-07 | 1.09E-07 |
| 798 | 396868.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-07 | 1.09E-07 |
| 839 | 396870.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.09E-07 | 1.09E-07 |
| 699 | 395520.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 1.08E-07 | 1.08E-07 |
| 897 | 395670.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.07E-07 | 1.07E-07 |
| 679 | 395720.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.06E-07 | 1.06E-07 |
| 1209 | 396920.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.06E-07 | 1.06E-07 |
| 1250 | 396920.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-07 | 1.05E-07 |
| 1168 | 396920.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-07 | 1.05E-07 |
| 814 | 395620.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-07 | 1.05E-07 |
| 1127 | 396920.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-07 | 1.05E-07 |
| 1291 | 396920.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.04E-07 | 1.04E-07 |
| 722 | 395470.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 1.04E-07 | 1.04E-07 |
| 688 | 395570.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.04E-07 | 1.04E-07 |
| 939 | 395720.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-07 | 1.03E-07 |
| 1086 | 396920.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-07 | 1.03E-07 |
| 1332 | 396920.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-07 | 1.03E-07 |
| 1045 | 396920.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.02E-07 | 1.02E-07 |
| 678 | 395670.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-07 | 1.01E-07 |
| 710 | 395470.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-07 | 1.01E-07 |
| 1004 | 396920.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-07 | 1.01E-07 |

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|---|---|---|---|---|---|
| 1023 | 395820.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-07 | 1.01E-07 |
| 963 | 396920.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 9.94E-08 | 9.94E-08 |
| 922 | 396920.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 9.87E-08 | 9.87E-08 |
| 881 | 396920.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 9.83E-08 | 9.83E-08 |
| 799 | 396918.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 9.78E-08 | 9.78E-08 |
| 840 | 396920.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 9.78E-08 | 9.78E-08 |
| 981 | 395770.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 9.74E-08 | 9.74E-08 |
| 734 | 395470.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 9.72E-08 | 9.72E-08 |
| 1210 | 396970.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 9.58E-08 | 9.58E-08 |
| 1251 | 396970.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 9.58E-08 | 9.58E-08 |
| 1292 | 396970.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 9.54E-08 | 9.54E-08 |
| 1169 | 396970.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 9.51E-08 | 9.51E-08 |
| 1232 | 396020.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 9.47E-08 | 9.47E-08 |
| 855 | 395620.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-08 | 9.42E-08 |
| 1128 | 396970.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-08 | 9.42E-08 |
| 1333 | 396970.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-08 | 9.42E-08 |
| 1274 | 396070.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 9.38E-08 | 9.38E-08 |
| 1190 | 395970.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 9.33E-08 | 9.33E-08 |
| 1087 | 396970.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 9.29E-08 | 9.29E-08 |
| 677 | 395620.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 9.22E-08 | 9.22E-08 |
| 1046 | 396970.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 9.18E-08 | 9.18E-08 |
| 1316 | 396120.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 9.15E-08 | 9.15E-08 |
| 1005 | 396970.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 9.06E-08 | 9.06E-08 |
| 698 | 395470.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 9.00E-08 | 9.00E-08 |
| 1148 | 395920.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 9.00E-08 | 9.00E-08 |
| 687 | 395520.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 8.98E-08 | 8.98E-08 |
| 964 | 396970.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.98E-08 | 8.98E-08 |
| 923 | 396970.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.91E-08 | 8.91E-08 |
| 882 | 396970.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 8.89E-08 | 8.89E-08 |
| 800 | 396968.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 8.86E-08 | 8.86E-08 |
| 841 | 396970.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 8.86E-08 | 8.86E-08 |
| 1252 | 397020.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 8.73E-08 | 8.73E-08 |
| 1293 | 397020.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 8.73E-08 | 8.73E-08 |
| 1211 | 397020.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 8.71E-08 | 8.71E-08 |
| 772 | 395570.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 8.68E-08 | 8.68E-08 |
| 1334 | 397020.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 8.66E-08 | 8.66E-08 |
| 1170 | 397020.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 8.62E-08 | 8.62E-08 |
| 1129 | 397020.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 8.53E-08 | 8.53E-08 |
| 1106 | 395870.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 8.46E-08 | 8.46E-08 |
| 759 | 395520.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 8.41E-08 | 8.41E-08 |
| 1088 | 397020.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 8.41E-08 | 8.41E-08 |
| 938 | 395670.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.35E-08 | 8.35E-08 |
| 1047 | 397020.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 8.30E-08 | 8.30E-08 |
| 676 | 395570.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 8.28E-08 | 8.28E-08 |
| 1006 | 397020.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 8.21E-08 | 8.21E-08 |
| 669 | 395820.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 8.17E-08 | 8.17E-08 |
| 746 | 395470.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.17E-08 | 8.17E-08 |
| 896 | 395620.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.17E-08 | 8.17E-08 |
| 709 | 395420.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 8.12E-08 | 8.12E-08 |
| 721 | 395420.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 8.12E-08 | 8.12E-08 |
| 965 | 397020.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 8.12E-08 | 8.12E-08 |
| 924 | 397020.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 8.10E-08 | 8.10E-08 |

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|---|---|---|---|---|---|
| 883 | 397020.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 8.08E-08 | 8.08E-08 |
| 801 | 397018.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 8.06E-08 | 8.06E-08 |
| 842 | 397020.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 8.06E-08 | 8.06E-08 |
| 668 | 395770.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 8.03E-08 | 8.03E-08 |
| 1294 | 397070.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 7.99E-08 | 7.99E-08 |
| 1253 | 397070.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 7.97E-08 | 7.97E-08 |
| 1335 | 397070.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.97E-08 | 7.97E-08 |
| 1212 | 397070.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 7.92E-08 | 7.92E-08 |
| 1064 | 395820.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.88E-08 | 7.88E-08 |
| 667 | 395720.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 7.85E-08 | 7.85E-08 |
| 1171 | 397070.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 7.85E-08 | 7.85E-08 |
| 1130 | 397070.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.74E-08 | 7.74E-08 |
| 686 | 395470.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.70E-08 | 7.70E-08 |
| 980 | 395720.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.70E-08 | 7.70E-08 |
| 1089 | 397070.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 7.65E-08 | 7.65E-08 |
| 666 | 395670.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 7.61E-08 | 7.61E-08 |
| 697 | 395420.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 7.54E-08 | 7.54E-08 |
| 1022 | 395770.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.54E-08 | 7.54E-08 |
| 1048 | 397070.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 7.54E-08 | 7.54E-08 |
| 1273 | 396020.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 7.52E-08 | 7.52E-08 |
| 1315 | 396070.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.52E-08 | 7.52E-08 |
| 1007 | 397070.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 7.47E-08 | 7.47E-08 |
| 733 | 395420.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 7.43E-08 | 7.43E-08 |
| 966 | 397070.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 7.40E-08 | 7.40E-08 |
| 925 | 397070.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 7.38E-08 | 7.38E-08 |
| 1231 | 395970.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 7.38E-08 | 7.38E-08 |
| 675 | 395520.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 7.36E-08 | 7.36E-08 |
| 802 | 397068.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 7.36E-08 | 7.36E-08 |
| 843 | 397070.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 7.36E-08 | 7.36E-08 |
| 884 | 397070.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 7.36E-08 | 7.36E-08 |
| 1295 | 397120.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 7.34E-08 | 7.34E-08 |
| 1336 | 397120.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.34E-08 | 7.34E-08 |
| 813 | 395570.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 7.31E-08 | 7.31E-08 |
| 1254 | 397120.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 7.31E-08 | 7.31E-08 |
| 1213 | 397120.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 7.25E-08 | 7.25E-08 |
| 665 | 395620.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 7.20E-08 | 7.20E-08 |
| 1172 | 397120.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 7.16E-08 | 7.16E-08 |
| 1189 | 395920.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 7.11E-08 | 7.11E-08 |
| 1131 | 397120.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 7.07E-08 | 7.07E-08 |
| 1090 | 397120.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 6.98E-08 | 6.98E-08 |
| 1049 | 397120.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.89E-08 | 6.89E-08 |
| 1008 | 397120.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.82E-08 | 6.82E-08 |
| 937 | 395620.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.80E-08 | 6.80E-08 |
| 967 | 397120.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.78E-08 | 6.78E-08 |
| 1337 | 397170.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.78E-08 | 6.78E-08 |
| 803 | 397118.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 6.75E-08 | 6.75E-08 |
| 844 | 397120.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 6.75E-08 | 6.75E-08 |
| 885 | 397120.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 6.75E-08 | 6.75E-08 |
| 926 | 397120.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.75E-08 | 6.75E-08 |
| 1296 | 397170.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 6.75E-08 | 6.75E-08 |
| 1147 | 395870.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.73E-08 | 6.73E-08 |
| 1255 | 397170.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 6.71E-08 | 6.71E-08 |

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|---|---|---|---|---|---|
| 854 | 395570.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 6.66E-08 | 6.66E-08 |
| 685 | 395420.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.64E-08 | 6.64E-08 |
| 1214 | 397170.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.64E-08 | 6.64E-08 |
| 664 | 395570.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 6.62E-08 | 6.62E-08 |
| 708 | 395370.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.62E-08 | 6.62E-08 |
| 1173 | 397170.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.57E-08 | 6.57E-08 |
| 674 | 395470.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 6.51E-08 | 6.51E-08 |
| 1132 | 397170.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.48E-08 | 6.48E-08 |
| 979 | 395670.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.46E-08 | 6.46E-08 |
| 720 | 395370.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 6.44E-08 | 6.44E-08 |
| 771 | 395520.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 6.42E-08 | 6.42E-08 |
| 1091 | 397170.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 6.39E-08 | 6.39E-08 |
| 758 | 395470.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 6.37E-08 | 6.37E-08 |
| 696 | 395370.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 6.33E-08 | 6.33E-08 |
| 1050 | 397170.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 6.33E-08 | 6.33E-08 |
| 1105 | 395820.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 6.33E-08 | 6.33E-08 |
| 1009 | 397170.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 6.26E-08 | 6.26E-08 |
| 1338 | 397220.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.26E-08 | 6.26E-08 |
| 804 | 397168.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 6.24E-08 | 6.24E-08 |
| 1297 | 397220.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 6.24E-08 | 6.24E-08 |
| 657 | 395820.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.22E-08 | 6.22E-08 |
| 745 | 395420.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 6.22E-08 | 6.22E-08 |
| 845 | 397170.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 6.22E-08 | 6.22E-08 |
| 886 | 397170.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 6.22E-08 | 6.22E-08 |
| 927 | 397170.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.22E-08 | 6.22E-08 |
| 968 | 397170.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 6.22E-08 | 6.22E-08 |
| 895 | 395570.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 6.17E-08 | 6.17E-08 |
| 1256 | 397220.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 6.17E-08 | 6.17E-08 |
| 656 | 395770.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.10E-08 | 6.10E-08 |
| 1215 | 397220.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 6.10E-08 | 6.10E-08 |
| 1314 | 396020.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.06E-08 | 6.06E-08 |
| 1174 | 397220.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 6.04E-08 | 6.04E-08 |
| 663 | 395520.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 6.01E-08 | 6.01E-08 |
| 1063 | 395770.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 6.01E-08 | 6.01E-08 |
| 655 | 395720.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.99E-08 | 5.99E-08 |
| 1021 | 395720.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.99E-08 | 5.99E-08 |
| 1133 | 397220.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.95E-08 | 5.95E-08 |
| 1272 | 395970.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.95E-08 | 5.95E-08 |
| 654 | 395670.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.88E-08 | 5.88E-08 |
| 1092 | 397220.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.88E-08 | 5.88E-08 |
| 732 | 395370.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 5.81E-08 | 5.81E-08 |
| 1051 | 397220.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.81E-08 | 5.81E-08 |
| 1339 | 397270.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.79E-08 | 5.79E-08 |
| 805 | 397218.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 5.77E-08 | 5.77E-08 |
| 1010 | 397220.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.77E-08 | 5.77E-08 |
| 1298 | 397270.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.77E-08 | 5.77E-08 |
| 684 | 395370.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.74E-08 | 5.74E-08 |
| 846 | 397220.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.74E-08 | 5.74E-08 |
| 887 | 397220.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 5.74E-08 | 5.74E-08 |
| 969 | 397220.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.74E-08 | 5.74E-08 |
| 1230 | 395920.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.74E-08 | 5.74E-08 |
| 673 | 395420.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.72E-08 | 5.72E-08 |

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|---|---|---|---|---|---|
| 928 | 397220.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.72E-08 | 5.72E-08 |
| 1257 | 397270.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.70E-08 | 5.70E-08 |
| 653 | 395620.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.68E-08 | 5.68E-08 |
| 1216 | 397270.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.63E-08 | 5.63E-08 |
| 1175 | 397270.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.56E-08 | 5.56E-08 |
| 978 | 395620.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.50E-08 | 5.50E-08 |
| 1134 | 397270.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 5.50E-08 | 5.50E-08 |
| 936 | 395570.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.47E-08 | 5.47E-08 |
| 662 | 395470.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 5.43E-08 | 5.43E-08 |
| 707 | 395320.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 5.43E-08 | 5.43E-08 |
| 1093 | 397270.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 5.43E-08 | 5.43E-08 |
| 1188 | 395870.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.41E-08 | 5.41E-08 |
| 812 | 395520.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.36E-08 | 5.36E-08 |
| 1052 | 397270.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.36E-08 | 5.36E-08 |
| 652 | 395570.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 5.34E-08 | 5.34E-08 |
| 695 | 395320.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 5.34E-08 | 5.34E-08 |
| 806 | 397268.3 | 3869993 | NonCancerChronicDerived_InhSoilDermMMilk | 5.34E-08 | 5.34E-08 |
| 847 | 397270.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 5.32E-08 | 5.32E-08 |
| 888 | 397270.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 5.32E-08 | 5.32E-08 |
| 1011 | 397270.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 5.32E-08 | 5.32E-08 |
| 929 | 397270.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 5.30E-08 | 5.30E-08 |
| 970 | 397270.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 5.30E-08 | 5.30E-08 |
| 719 | 395320.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 5.16E-08 | 5.16E-08 |
| 1146 | 395820.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 5.16E-08 | 5.16E-08 |
| 1020 | 395670.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 5.09E-08 | 5.09E-08 |
| 672 | 395370.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 5.07E-08 | 5.07E-08 |
| 683 | 395320.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.98E-08 | 4.98E-08 |
| 651 | 395520.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.96E-08 | 4.96E-08 |
| 770 | 395470.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 4.94E-08 | 4.94E-08 |
| 757 | 395420.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 4.91E-08 | 4.91E-08 |
| 853 | 395520.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 4.91E-08 | 4.91E-08 |
| 1104 | 395770.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 4.91E-08 | 4.91E-08 |
| 645 | 395820.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.89E-08 | 4.89E-08 |
| 661 | 395420.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.87E-08 | 4.87E-08 |
| 744 | 395370.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 4.87E-08 | 4.87E-08 |
| 1313 | 395970.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.87E-08 | 4.87E-08 |
| 1062 | 395720.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.80E-08 | 4.80E-08 |
| 644 | 395770.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.78E-08 | 4.78E-08 |
| 643 | 395720.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.69E-08 | 4.69E-08 |
| 894 | 395520.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 4.69E-08 | 4.69E-08 |
| 1271 | 395920.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.69E-08 | 4.69E-08 |
| 977 | 395570.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 4.67E-08 | 4.67E-08 |
| 642 | 395670.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.62E-08 | 4.62E-08 |
| 731 | 395320.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 4.62E-08 | 4.62E-08 |
| 650 | 395470.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.55E-08 | 4.55E-08 |
| 641 | 395620.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.53E-08 | 4.53E-08 |
| 694 | 395270.7 | 3869676 | NonCancerChronicDerived_InhSoilDermMMilk | 4.53E-08 | 4.53E-08 |
| 706 | 395270.7 | 3869726 | NonCancerChronicDerived_InhSoilDermMMilk | 4.51E-08 | 4.51E-08 |
| 671 | 395320.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 4.49E-08 | 4.49E-08 |
| 1229 | 395870.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.47E-08 | 4.47E-08 |
| 1019 | 395620.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 4.42E-08 | 4.42E-08 |
| 660 | 395370.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 4.40E-08 | 4.40E-08 |

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|---|---|---|---|---|---|
| 640 | 395570.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.35E-08 | 4.35E-08 |
| 935 | 395520.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 4.35E-08 | 4.35E-08 |
| 682 | 395270.7 | 3869626 | NonCancerChronicDerived_InhSoilDermMMilk | 4.33E-08 | 4.33E-08 |
| 718 | 395270.7 | 3869776 | NonCancerChronicDerived_InhSoilDermMMilk | 4.24E-08 | 4.24E-08 |
| 1187 | 395820.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.24E-08 | 4.24E-08 |
| 649 | 395420.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 4.13E-08 | 4.13E-08 |
| 639 | 395520.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.11E-08 | 4.11E-08 |
| 1061 | 395670.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 4.08E-08 | 4.08E-08 |
| 811 | 395470.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 4.06E-08 | 4.06E-08 |
| 1145 | 395770.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 4.04E-08 | 4.04E-08 |
| 659 | 395320.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.97E-08 | 3.97E-08 |
| 670 | 395270.7 | 3869576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.97E-08 | 3.97E-08 |
| 1103 | 395720.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.97E-08 | 3.97E-08 |
| 633 | 395820.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.95E-08 | 3.95E-08 |
| 743 | 395320.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 3.93E-08 | 3.93E-08 |
| 756 | 395370.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.93E-08 | 3.93E-08 |
| 1312 | 395920.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.90E-08 | 3.90E-08 |
| 976 | 395520.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.88E-08 | 3.88E-08 |
| 769 | 395420.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.86E-08 | 3.86E-08 |
| 1018 | 395570.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.86E-08 | 3.86E-08 |
| 632 | 395770.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.84E-08 | 3.84E-08 |
| 638 | 395470.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.84E-08 | 3.84E-08 |
| 648 | 395370.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.79E-08 | 3.79E-08 |
| 631 | 395720.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.77E-08 | 3.77E-08 |
| 730 | 395270.7 | 3869826 | NonCancerChronicDerived_InhSoilDermMMilk | 3.77E-08 | 3.77E-08 |
| 1270 | 395870.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.75E-08 | 3.75E-08 |
| 852 | 395470.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 3.72E-08 | 3.72E-08 |
| 630 | 395670.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.70E-08 | 3.70E-08 |
| 629 | 395620.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.66E-08 | 3.66E-08 |
| 628 | 395570.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.59E-08 | 3.59E-08 |
| 658 | 395270.7 | 3869526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.59E-08 | 3.59E-08 |
| 893 | 395470.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 3.59E-08 | 3.59E-08 |
| 1060 | 395620.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.59E-08 | 3.59E-08 |
| 1228 | 395820.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 3.57E-08 | 3.57E-08 |
| 637 | 395420.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.55E-08 | 3.55E-08 |
| 647 | 395320.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.46E-08 | 3.46E-08 |
| 934 | 395470.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 3.46E-08 | 3.46E-08 |
| 627 | 395520.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.43E-08 | 3.43E-08 |
| 1186 | 395770.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.41E-08 | 3.41E-08 |
| 1017 | 395520.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 3.37E-08 | 3.37E-08 |
| 1102 | 395670.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.37E-08 | 3.37E-08 |
| 1144 | 395720.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.32E-08 | 3.32E-08 |
| 621 | 395820.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.25E-08 | 3.25E-08 |
| 626 | 395470.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.25E-08 | 3.25E-08 |
| 636 | 395370.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.25E-08 | 3.25E-08 |
| 975 | 395470.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 3.23E-08 | 3.23E-08 |
| 742 | 395270.7 | 3869876 | NonCancerChronicDerived_InhSoilDermMMilk | 3.21E-08 | 3.21E-08 |
| 755 | 395320.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 3.21E-08 | 3.21E-08 |
| 810 | 395420.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 3.21E-08 | 3.21E-08 |
| 1059 | 395570.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.19E-08 | 3.19E-08 |
| 1311 | 395870.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 3.19E-08 | 3.19E-08 |
| 620 | 395770.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.16E-08 | 3.16E-08 |

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|---|---|---|---|---|---|
| 646 | 395270.7 | 3869476 | NonCancerChronicDerived_InhSoilDermMMilk | 3.16E-08 | 3.16E-08 |
| 768 | 395370.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 3.14E-08 | 3.14E-08 |
| 619 | 395720.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.10E-08 | 3.10E-08 |
| 1269 | 395820.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 3.05E-08 | 3.05E-08 |
| 618 | 395670.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.03E-08 | 3.03E-08 |
| 625 | 395420.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 3.03E-08 | 3.03E-08 |
| 617 | 395620.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 3.01E-08 | 3.01E-08 |
| 635 | 395320.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 3.01E-08 | 3.01E-08 |
| 616 | 395570.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.96E-08 | 2.96E-08 |
| 1101 | 395620.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.94E-08 | 2.94E-08 |
| 1016 | 395470.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.92E-08 | 2.92E-08 |
| 1227 | 395770.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.92E-08 | 2.92E-08 |
| 615 | 395520.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.89E-08 | 2.89E-08 |
| 851 | 395420.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.89E-08 | 2.89E-08 |
| 1058 | 395520.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.85E-08 | 2.85E-08 |
| 624 | 395370.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.83E-08 | 2.83E-08 |
| 1143 | 395670.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.83E-08 | 2.83E-08 |
| 1185 | 395720.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.83E-08 | 2.83E-08 |
| 614 | 395470.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.78E-08 | 2.78E-08 |
| 634 | 395270.7 | 3869426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.78E-08 | 2.78E-08 |
| 892 | 395420.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.78E-08 | 2.78E-08 |
| 933 | 395420.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.76E-08 | 2.76E-08 |
| 609 | 395820.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.74E-08 | 2.74E-08 |
| 608 | 395770.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.67E-08 | 2.67E-08 |
| 974 | 395420.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.67E-08 | 2.67E-08 |
| 754 | 395270.7 | 3869926 | NonCancerChronicDerived_InhSoilDermMMilk | 2.65E-08 | 2.65E-08 |
| 1100 | 395570.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.65E-08 | 2.65E-08 |
| 613 | 395420.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.63E-08 | 2.63E-08 |
| 623 | 395320.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.63E-08 | 2.63E-08 |
| 1310 | 395820.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.63E-08 | 2.63E-08 |
| 607 | 395720.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.58E-08 | 2.58E-08 |
| 767 | 395320.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.58E-08 | 2.58E-08 |
| 809 | 395370.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.58E-08 | 2.58E-08 |
| 1057 | 395470.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.56E-08 | 2.56E-08 |
| 606 | 395670.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.54E-08 | 2.54E-08 |
| 605 | 395620.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.51E-08 | 2.51E-08 |
| 1268 | 395770.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.51E-08 | 2.51E-08 |
| 604 | 395570.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.49E-08 | 2.49E-08 |
| 1015 | 395420.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.49E-08 | 2.49E-08 |
| 612 | 395370.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.47E-08 | 2.47E-08 |
| 1142 | 395620.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.47E-08 | 2.47E-08 |
| 603 | 395520.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.45E-08 | 2.45E-08 |
| 622 | 395270.7 | 3869376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.45E-08 | 2.45E-08 |
| 1226 | 395720.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.42E-08 | 2.42E-08 |
| 1099 | 395520.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.40E-08 | 2.40E-08 |
| 1184 | 395670.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.40E-08 | 2.40E-08 |
| 602 | 395470.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.38E-08 | 2.38E-08 |
| 597 | 395820.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.33E-08 | 2.33E-08 |
| 611 | 395320.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.31E-08 | 2.31E-08 |
| 850 | 395370.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 2.31E-08 | 2.31E-08 |
| 601 | 395420.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.29E-08 | 2.29E-08 |
| 596 | 395770.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.27E-08 | 2.27E-08 |

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|---|---|---|---|---|---|
| 1056 | 395420.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.24E-08 | 2.24E-08 |
| 891 | 395370.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 2.22E-08 | 2.22E-08 |
| 932 | 395370.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.22E-08 | 2.22E-08 |
| 1141 | 395570.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.22E-08 | 2.22E-08 |
| 595 | 395720.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.20E-08 | 2.20E-08 |
| 1098 | 395470.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.20E-08 | 2.20E-08 |
| 600 | 395370.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.18E-08 | 2.18E-08 |
| 610 | 395270.7 | 3869326 | NonCancerChronicDerived_InhSoilDermMMilk | 2.18E-08 | 2.18E-08 |
| 973 | 395370.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.18E-08 | 2.18E-08 |
| 1309 | 395770.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 2.18E-08 | 2.18E-08 |
| 766 | 395270.7 | 3869976 | NonCancerChronicDerived_InhSoilDermMMilk | 2.15E-08 | 2.15E-08 |
| 594 | 395670.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.13E-08 | 2.13E-08 |
| 808 | 395320.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 2.13E-08 | 2.13E-08 |
| 592 | 395570.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.11E-08 | 2.11E-08 |
| 593 | 395620.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.11E-08 | 2.11E-08 |
| 1014 | 395370.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.11E-08 | 2.11E-08 |
| 1183 | 395620.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 2.11E-08 | 2.11E-08 |
| 1267 | 395720.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 2.11E-08 | 2.11E-08 |
| 591 | 395520.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.09E-08 | 2.09E-08 |
| 590 | 395470.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.06E-08 | 2.06E-08 |
| 1225 | 395670.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 2.06E-08 | 2.06E-08 |
| 599 | 395320.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 2.04E-08 | 2.04E-08 |
| 1140 | 395520.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 2.04E-08 | 2.04E-08 |
| 585 | 395820.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 2.02E-08 | 2.02E-08 |
| 589 | 395420.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 2.00E-08 | 2.00E-08 |
| 1097 | 395420.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 2.00E-08 | 2.00E-08 |
| 584 | 395770.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.97E-08 | 1.97E-08 |
| 1055 | 395370.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.97E-08 | 1.97E-08 |
| 598 | 395270.7 | 3869276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.93E-08 | 1.93E-08 |
| 583 | 395720.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.91E-08 | 1.91E-08 |
| 588 | 395370.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.91E-08 | 1.91E-08 |
| 1182 | 395570.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.91E-08 | 1.91E-08 |
| 849 | 395320.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.88E-08 | 1.88E-08 |
| 1139 | 395470.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.88E-08 | 1.88E-08 |
| 582 | 395670.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.84E-08 | 1.84E-08 |
| 1308 | 395720.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.84E-08 | 1.84E-08 |
| 581 | 395620.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.82E-08 | 1.82E-08 |
| 587 | 395320.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.82E-08 | 1.82E-08 |
| 1224 | 395620.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.82E-08 | 1.82E-08 |
| 1266 | 395670.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.82E-08 | 1.82E-08 |
| 579 | 395520.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.80E-08 | 1.80E-08 |
| 580 | 395570.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.80E-08 | 1.80E-08 |
| 807 | 395270.7 | 3870026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.80E-08 | 1.80E-08 |
| 890 | 395320.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.80E-08 | 1.80E-08 |
| 931 | 395320.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.80E-08 | 1.80E-08 |
| 972 | 395320.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.80E-08 | 1.80E-08 |
| 1096 | 395370.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.80E-08 | 1.80E-08 |
| 573 | 395820.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.77E-08 | 1.77E-08 |
| 578 | 395470.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.77E-08 | 1.77E-08 |
| 1013 | 395320.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.77E-08 | 1.77E-08 |
| 577 | 395420.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.75E-08 | 1.75E-08 |
| 1138 | 395420.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.75E-08 | 1.75E-08 |

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|---|---|---|---|---|---|
| 572 | 395770.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.73E-08 | 1.73E-08 |
| 1181 | 395520.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.73E-08 | 1.73E-08 |
| 586 | 395270.7 | 3869226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.71E-08 | 1.71E-08 |
| 1054 | 395320.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.71E-08 | 1.71E-08 |
| 576 | 395370.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.68E-08 | 1.68E-08 |
| 571 | 395720.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.66E-08 | 1.66E-08 |
| 1223 | 395570.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.64E-08 | 1.64E-08 |
| 570 | 395670.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-08 | 1.62E-08 |
| 575 | 395320.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-08 | 1.62E-08 |
| 1095 | 395320.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-08 | 1.62E-08 |
| 1137 | 395370.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-08 | 1.62E-08 |
| 1180 | 395470.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.62E-08 | 1.62E-08 |
| 1265 | 395620.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.59E-08 | 1.59E-08 |
| 1307 | 395670.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.59E-08 | 1.59E-08 |
| 561 | 395820.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.57E-08 | 1.57E-08 |
| 569 | 395620.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.57E-08 | 1.57E-08 |
| 848 | 395270.7 | 3870076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.57E-08 | 1.57E-08 |
| 566 | 395470.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-08 | 1.55E-08 |
| 567 | 395520.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-08 | 1.55E-08 |
| 568 | 395570.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-08 | 1.55E-08 |
| 574 | 395270.7 | 3869176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.55E-08 | 1.55E-08 |
| 560 | 395770.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.53E-08 | 1.53E-08 |
| 565 | 395420.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.53E-08 | 1.53E-08 |
| 564 | 395370.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-08 | 1.50E-08 |
| 1012 | 395270.7 | 3870276 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-08 | 1.50E-08 |
| 1179 | 395420.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-08 | 1.50E-08 |
| 1222 | 395520.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.50E-08 | 1.50E-08 |
| 559 | 395720.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.48E-08 | 1.48E-08 |
| 889 | 395270.7 | 3870126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.48E-08 | 1.48E-08 |
| 971 | 395270.7 | 3870226 | NonCancerChronicDerived_InhSoilDermMMilk | 1.48E-08 | 1.48E-08 |
| 1053 | 395270.7 | 3870326 | NonCancerChronicDerived_InhSoilDermMMilk | 1.48E-08 | 1.48E-08 |
| 1136 | 395320.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.48E-08 | 1.48E-08 |
| 563 | 395320.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.46E-08 | 1.46E-08 |
| 930 | 395270.7 | 3870176 | NonCancerChronicDerived_InhSoilDermMMilk | 1.46E-08 | 1.46E-08 |
| 1094 | 395270.7 | 3870376 | NonCancerChronicDerived_InhSoilDermMMilk | 1.44E-08 | 1.44E-08 |
| 1264 | 395570.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.44E-08 | 1.44E-08 |
| 549 | 395820.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-08 | 1.41E-08 |
| 558 | 395670.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-08 | 1.41E-08 |
| 1178 | 395370.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-08 | 1.41E-08 |
| 1306 | 395620.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.41E-08 | 1.41E-08 |
| 562 | 395270.7 | 3869126 | NonCancerChronicDerived_InhSoilDermMMilk | 1.39E-08 | 1.39E-08 |
| 1221 | 395470.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.39E-08 | 1.39E-08 |
| 548 | 395770.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.37E-08 | 1.37E-08 |
| 556 | 395570.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.37E-08 | 1.37E-08 |
| 557 | 395620.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.37E-08 | 1.37E-08 |
| 553 | 395420.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-08 | 1.35E-08 |
| 554 | 395470.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-08 | 1.35E-08 |
| 555 | 395520.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-08 | 1.35E-08 |
| 1135 | 395270.7 | 3870426 | NonCancerChronicDerived_InhSoilDermMMilk | 1.35E-08 | 1.35E-08 |
| 547 | 395720.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.32E-08 | 1.32E-08 |
| 552 | 395370.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.32E-08 | 1.32E-08 |
| 1177 | 395320.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.32E-08 | 1.32E-08 |

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|---|---|---|---|---|---|
| 551 | 395320.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-08 | 1.30E-08 |
| 1220 | 395420.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-08 | 1.30E-08 |
| 1263 | 395520.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.30E-08 | 1.30E-08 |
| 1305 | 395570.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.28E-08 | 1.28E-08 |
| 537 | 395820.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-08 | 1.26E-08 |
| 546 | 395670.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-08 | 1.26E-08 |
| 550 | 395270.7 | 3869076 | NonCancerChronicDerived_InhSoilDermMMilk | 1.26E-08 | 1.26E-08 |
| 536 | 395770.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.23E-08 | 1.23E-08 |
| 1176 | 395270.7 | 3870476 | NonCancerChronicDerived_InhSoilDermMMilk | 1.23E-08 | 1.23E-08 |
| 1219 | 395370.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.23E-08 | 1.23E-08 |
| 545 | 395620.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-08 | 1.21E-08 |
| 1262 | 395470.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.21E-08 | 1.21E-08 |
| 535 | 395720.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.19E-08 | 1.19E-08 |
| 540 | 395370.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.19E-08 | 1.19E-08 |
| 541 | 395420.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.19E-08 | 1.19E-08 |
| 542 | 395470.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.19E-08 | 1.19E-08 |
| 543 | 395520.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.19E-08 | 1.19E-08 |
| 544 | 395570.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.19E-08 | 1.19E-08 |
| 1218 | 395320.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.19E-08 | 1.19E-08 |
| 539 | 395320.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.17E-08 | 1.17E-08 |
| 1304 | 395520.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.17E-08 | 1.17E-08 |
| 525 | 395820.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-08 | 1.14E-08 |
| 534 | 395670.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-08 | 1.14E-08 |
| 1261 | 395420.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.14E-08 | 1.14E-08 |
| 524 | 395770.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-08 | 1.12E-08 |
| 538 | 395270.7 | 3869026 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-08 | 1.12E-08 |
| 1217 | 395270.7 | 3870526 | NonCancerChronicDerived_InhSoilDermMMilk | 1.12E-08 | 1.12E-08 |
| 533 | 395620.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-08 | 1.10E-08 |
| 1260 | 395370.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.10E-08 | 1.10E-08 |
| 523 | 395720.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.08E-08 | 1.08E-08 |
| 532 | 395570.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.08E-08 | 1.08E-08 |
| 1303 | 395470.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.08E-08 | 1.08E-08 |
| 513 | 395820.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-08 | 1.05E-08 |
| 527 | 395320.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-08 | 1.05E-08 |
| 528 | 395370.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-08 | 1.05E-08 |
| 529 | 395420.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-08 | 1.05E-08 |
| 530 | 395470.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-08 | 1.05E-08 |
| 531 | 395520.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-08 | 1.05E-08 |
| 1259 | 395320.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.05E-08 | 1.05E-08 |
| 512 | 395770.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-08 | 1.03E-08 |
| 522 | 395670.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-08 | 1.03E-08 |
| 526 | 395270.7 | 3868976 | NonCancerChronicDerived_InhSoilDermMMilk | 1.03E-08 | 1.03E-08 |
| 1258 | 395270.7 | 3870576 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-08 | 1.01E-08 |
| 1302 | 395420.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 1.01E-08 | 1.01E-08 |
| 511 | 395720.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 9.87E-09 | 9.87E-09 |
| 521 | 395620.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 9.87E-09 | 9.87E-09 |
| 501 | 395820.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 9.65E-09 | 9.65E-09 |
| 520 | 395570.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 9.65E-09 | 9.65E-09 |
| 1301 | 395370.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 9.65E-09 | 9.65E-09 |
| 500 | 395770.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-09 | 9.42E-09 |
| 510 | 395670.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-09 | 9.42E-09 |
| 515 | 395320.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-09 | 9.42E-09 |

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|---|---|---|---|---|---|
| 516 | 395370.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-09 | 9.42E-09 |
| 517 | 395420.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-09 | 9.42E-09 |
| 518 | 395470.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-09 | 9.42E-09 |
| 519 | 395520.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 9.42E-09 | 9.42E-09 |
| 499 | 395720.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 9.20E-09 | 9.20E-09 |
| 514 | 395270.7 | 3868926 | NonCancerChronicDerived_InhSoilDermMMilk | 9.20E-09 | 9.20E-09 |
| 1300 | 395320.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 9.20E-09 | 9.20E-09 |
| 489 | 395820.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 8.98E-09 | 8.98E-09 |
| 509 | 395620.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.98E-09 | 8.98E-09 |
| 1299 | 395270.7 | 3870626 | NonCancerChronicDerived_InhSoilDermMMilk | 8.98E-09 | 8.98E-09 |
| 488 | 395770.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 8.75E-09 | 8.75E-09 |
| 498 | 395670.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 8.75E-09 | 8.75E-09 |
| 508 | 395570.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.75E-09 | 8.75E-09 |
| 487 | 395720.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 8.53E-09 | 8.53E-09 |
| 502 | 395270.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.53E-09 | 8.53E-09 |
| 503 | 395320.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.53E-09 | 8.53E-09 |
| 504 | 395370.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.53E-09 | 8.53E-09 |
| 505 | 395420.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.53E-09 | 8.53E-09 |
| 506 | 395470.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.53E-09 | 8.53E-09 |
| 507 | 395520.7 | 3868876 | NonCancerChronicDerived_InhSoilDermMMilk | 8.53E-09 | 8.53E-09 |
| 476 | 395770.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 8.30E-09 | 8.30E-09 |
| 477 | 395820.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 8.30E-09 | 8.30E-09 |
| 497 | 395620.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 8.30E-09 | 8.30E-09 |
| 486 | 395670.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 8.08E-09 | 8.08E-09 |
| 496 | 395570.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 8.08E-09 | 8.08E-09 |
| 465 | 395820.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 7.85E-09 | 7.85E-09 |
| 475 | 395720.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 7.85E-09 | 7.85E-09 |
| 495 | 395520.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 7.85E-09 | 7.85E-09 |
| 464 | 395770.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-09 | 7.63E-09 |
| 474 | 395670.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-09 | 7.63E-09 |
| 485 | 395620.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-09 | 7.63E-09 |
| 490 | 395270.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-09 | 7.63E-09 |
| 491 | 395320.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-09 | 7.63E-09 |
| 492 | 395370.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-09 | 7.63E-09 |
| 493 | 395420.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-09 | 7.63E-09 |
| 494 | 395470.7 | 3868826 | NonCancerChronicDerived_InhSoilDermMMilk | 7.63E-09 | 7.63E-09 |
| 463 | 395720.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 7.40E-09 | 7.40E-09 |
| 484 | 395570.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 7.40E-09 | 7.40E-09 |
| 452 | 395770.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.18E-09 | 7.18E-09 |
| 453 | 395820.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 7.18E-09 | 7.18E-09 |
| 462 | 395670.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 7.18E-09 | 7.18E-09 |
| 473 | 395620.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 7.18E-09 | 7.18E-09 |
| 483 | 395520.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 7.18E-09 | 7.18E-09 |
| 451 | 395720.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.96E-09 | 6.96E-09 |
| 472 | 395570.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.96E-09 | 6.96E-09 |
| 478 | 395270.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 6.96E-09 | 6.96E-09 |
| 479 | 395320.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 6.96E-09 | 6.96E-09 |
| 480 | 395370.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 6.96E-09 | 6.96E-09 |
| 481 | 395420.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 6.96E-09 | 6.96E-09 |
| 482 | 395470.7 | 3868776 | NonCancerChronicDerived_InhSoilDermMMilk | 6.96E-09 | 6.96E-09 |
| 450 | 395670.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.73E-09 | 6.73E-09 |
| 461 | 395620.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 6.73E-09 | 6.73E-09 |

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|---|---|---|---|---|---|
| 460 | 395570.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 6.51E-09 | 6.51E-09 |
| 470 | 395470.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.51E-09 | 6.51E-09 |
| 471 | 395520.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.51E-09 | 6.51E-09 |
| 449 | 395620.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.28E-09 | 6.28E-09 |
| 466 | 395270.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.28E-09 | 6.28E-09 |
| 467 | 395320.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.28E-09 | 6.28E-09 |
| 468 | 395370.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.28E-09 | 6.28E-09 |
| 469 | 395420.7 | 3868726 | NonCancerChronicDerived_InhSoilDermMMilk | 6.28E-09 | 6.28E-09 |
| 448 | 395570.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 6.06E-09 | 6.06E-09 |
| 458 | 395470.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 6.06E-09 | 6.06E-09 |
| 459 | 395520.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 6.06E-09 | 6.06E-09 |
| 447 | 395520.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.83E-09 | 5.83E-09 |
| 454 | 395270.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 5.83E-09 | 5.83E-09 |
| 455 | 395320.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 5.83E-09 | 5.83E-09 |
| 456 | 395370.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 5.83E-09 | 5.83E-09 |
| 457 | 395420.7 | 3868676 | NonCancerChronicDerived_InhSoilDermMMilk | 5.83E-09 | 5.83E-09 |
| 446 | 395470.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.61E-09 | 5.61E-09 |
| 442 | 395270.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.39E-09 | 5.39E-09 |
| 443 | 395320.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.39E-09 | 5.39E-09 |
| 444 | 395370.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.39E-09 | 5.39E-09 |
| 445 | 395420.7 | 3868626 | NonCancerChronicDerived_InhSoilDermMMilk | 5.39E-09 | 5.39E-09 |