



Final Phase I Environmental Site Assessment

Ambeco Road, Long Beach, California

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Prepared for:

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Table of Contents

Executive Summary	1
1. Introduction	1
1.1 Purpose	1
1.2 Scope of Services	1
1.3 Standard of Care	2
1.4 Assumptions	2
1.5 User Reliance	4
2. Site Description.....	5
2.1 Location and Legal Description	5
2.2 Site and Vicinity General Characteristics	5
2.3 Current and Past Use of the Site.....	5
2.4 Physical Setting	5
2.4.1 Surface Water and Drainage	5
2.4.2 Physiographic Setting	5
2.4.3 Regional and Local Geology.....	6
2.4.4 Regional and Local Hydrogeology	6
3. Sources of Information	8
3.1 Topographic Maps	8
3.2 Aerial Photographs	8
3.3 Fire Insurance Maps	8
3.4 City Directories	8
3.5 Government Databases.....	8
3.6 Site Reconnaissance	8
3.7 Information from Government Agencies.....	9
3.7.1 Federal Agencies	10
3.7.2 State Agencies	11
3.7.3 County/Regional Agencies.....	13
3.7.4 City/Local Agencies.....	14
3.8 User Provided Information	14
3.8.1 Environmental Liens or Activity and Use Limitations	15
3.8.2 Specialized Knowledge	15
3.8.3 Valuation Reduction for Environmental Issues	15
3.8.4 Commonly Known or Reasonably Ascertainable Information	15
3.8.5 Obvious Indicators of the Presence or Likely Presence of Contamination of the Site	15
3.9 Interviews.....	15
4. Site History and Condition	17
4.1 Site History	17
4.2 Site Reconnaissance	19
4.2.1 Current Site Condition and Limitations	19
4.2.2 Interior and Exterior Observations	20
5. Adjoining and Nearby Properties.....	22
5.1 Vacant, Former Golf Learning Center to the Northwest	22

Table of Contents (Continued)

5.2	Oil Operators, Inc. Property to the East.....	22
5.3	Interstate-405 San Diego Freeway to the South	22
5.4	Los Angeles River to the West	22
5.5	Railroad to the East-Northeast	22
6.	Summary of Key Previous Investigations and Documents	23
6.1	Final Remedial Investigation Report (RI) (LFR, May 27, 2009)	24
6.2	Oil Sump Site Development Feasibility Study (August 25, 1983) and Oil Sump Site Development, Supplemental Investigation (January 1984), prepared by Earth Technology Corporation	25
6.3	Geotechnical Investigation (GEOFON, Inc., January 1986).....	25
6.4	Site Characterization Study (Jaykim Engineers, Inc. and GEOFON, October 1986)	26
6.5	Agency Correspondences Related to Test Plot at Oil Operators North Site (Jaykim, 1988)	27
6.6	Documents Detailing Land Farming Activities (Jaykim, Jack K. Bryant & Associates, 1987- 1989).....	27
6.7	Letter Detailing the Results of Post-Excavation Soil Sampling (JB, August 1989)	28
6.8	Preliminary Assessment (Ecology and Environment, Inc., 1990).....	28
6.9	Documentation Regarding Groundwater Monitoring Activities (JB, RWQCB; 1987-1997).....	28
6.10	Groundwater Monitoring Report for Oil Operators North Site (JB, February 1996)	28
6.11	Annual Groundwater Monitoring Report 1996 for Oil Operators North Site (JB, March 1997) ..	29
6.12	Regional Degradation of Groundwater Quality (LFR, 2009)	29
6.13	Remedial Investigation Activities (LFR, 2009).....	30
6.13.1	Soil.....	30
6.13.2	Soil Vapor	31
6.13.3	Groundwater.....	31
6.14	Final Remedial Investigation for Former Oil Operators North Site (June 15, 2009).....	31
6.15	Limited Subsurface Assessment Summary (July 15, 2019), prepared by Avocet Environmental, Inc.	31
6.16	McDonald Trust Properties, DTSC VCA Docket, prepared by Jeanne McDonald.....	32
6.17	Phase I ESA (February 26, 2016), prepared by Avocet Environmental Inc.	32
6.18	Site Assessment Plan and Report of Findings (SAP Report) (October 14, 2019), prepared by Roux.....	32
7.	Records Review.....	34
7.1	Site (Target Property)	34
7.2	Adjoining Properties.....	34
7.3	Site Vicinity	35
8.	Findings	38
8.1	Data Gaps.....	38
8.2	Recognized Environmental Conditions.....	38
8.3	Controlled Recognized Environmental Conditions	38
8.4	Historical Recognized Environmental Conditions.....	38
8.5	Other Environmental Features	38
9.	References	40
10.	Signature of Environmental Professional	41

Table of Contents (Continued)

Figures

1. Site Location Map
2. Site Plan

Appendices

- A. Glossary of Terms
- B. Historical Topographic Maps
- C. Historical Aerial Photographs
- D. Certified Sanborn Report
- E. EDR City Directory Image Report
- F. EDR Radius Map Report with Geocheck®
- G. Photographic Log
- H. User Questionnaire
- I. Regulatory Records Documentation
- J. Pertinent Historical Documents

Abbreviations and Acronyms

AAI	All Appropriate Inquiries
AECs	Areas of elevated concentrations
APN	Assessor's Parcel Number
ASTM	American Society for Testing Materials
AST	Aboveground Storage Tank
AUL	Activity and use limitation
Bgs	Below ground surface
BFP	Bona fide purchaser
BFPP	Bona fide prospective purchaser
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CalEPA	California Environmental Protection Agency
CalTrans	California Department of Transportation
CARB	California Air Resources Board
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERS	California Environmental Reporting System
CHHSLs	California Human Health Screening Levels
CHMIRS	California Hazardous Material Incident Reporting System
CLRRRA	California Land Reuse and Revitalization Act
cREC	Controlled Recognized Environmental Condition
CRG	CRG Properties, Ltd.
CPT	Cone penetrometer test
CUPA	Certified Unified Program Agency
CY	Cubic yards
DTSC	Department of Toxic Substances Control
DOGGR	Division of Oil, Gas and Geothermal Resources
EDR	Environmental Data Resources, Inc.
ETC	Earth Technology Corporation
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FS	Feasibility Study
GEOFON	GEOFON, Inc.
GMED	Geotechnical and Materials Engineering Division
HHMD	Health Hazardous Materials Division
HHRA	Human health risk assessment
hREC	Historical Recognized Environmental Condition
HVL	Highly volatile liquid
HWTS	Hazardous Waste Tracking System
OEHHA	Office of Environmental Health Hazard Assessment
I-405	Interstate 405 Freeway
iPRGs	Industrial preliminary remediation goals

Abbreviations and Acronyms (Continued)

IDW	Investigation-derived waste
Jaykim	Engineers, Inc.
JB	Jack K. Bryant & Associates
LFR	LFR Inc.
LARWQCB	Los Angeles Regional Water Quality Control Board
LACoFD	Los Angeles County Fire Department
LACDPH	Los Angeles County Department of Public Health
LACDPW	Los Angeles County Department of Public Works
LACSD	Los Angeles County Sanitation District
LBDS	Long Beach Development Services Department
LEL	Lower explosive limit
MA DEP	Massachusetts Department of Environmental Protection
MCLs	Maximum contaminant levels
msl	Mean sea level
mmHg	millimeters of mercury
µg/L	Micrograms per liter
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
NIFZ	Newport-Inglewood fault zone
NPL	National Priorities List
NPMS	National Pipeline Mapping System
Oil Operators	Oil Operators, Inc.
OEFs	Other Environmental Features
ppm	Parts per million
PAH	Polycyclic aromatic hydrocarbons
PCBs	Polychlorinated biphenyls
RECs	Recognized Environmental Conditions
RWQCB	Regional Water Quality Control Board
RI	Remedial Investigation
Roux	Roux Associates, Inc.
SMARTS	Storm Water Multiple Application and Report Tracking System
SWRCB	State Water Resources Control Board
SWIMS	Solid Waste Information Management System
SWIS	Solid Waste Information System
SVOCs	Semi-volatile organic compounds
SCAQMD	South Coast Air Quality Management District
PCE	Tetrachloroethene
TDS	Total dissolved solids
TPH _{cc}	Total petroleum hydrocarbons carbon chain
TPH _g	Total petroleum hydrocarbons gasoline range
TPH	Total petroleum hydrocarbons
TRPH	Total recoverable petroleum hydrocarbons
TCE	Trichloroethene

Abbreviations and Acronyms (Continued)

Union Oil	Union Oil Company of California
USEPA	United States Environmental Protection Agency
USCG	United States Coastal Guard
USGS	United States Geological Survey
UST	Underground Storage Tank
UEL	Upper explosive limit
VOCs	Volatile organic compounds
VCP	Voluntary Cleanup Program
WRD	Water Replenishment District of Southern California

Executive Summary

This Executive Summary provides a brief overview of the findings of this Phase I Environmental Site Assessment (Phase I ESA). Although the Executive Summary is an integral part of a report, it does not substitute for reading the entire report or the appended or referenced documents in order to fully understand the findings and potential environmental concerns associated with the Site.

Artesia Acquisition Company, LLC (Artesia; the User) retained Roux Associates, Inc. (Roux) to perform a Phase I Environmental Site Assessment (ESA) of the property located at Ambeco Road in Long Beach, California identified as Los Angeles County Tax Assessor's Parcel Number (APN) 7140-014-025, herein after referred to as Site. The Site location is shown in Figure 1 and the Site and vicinity are shown in Figure 2. Roux performed this Phase I ESA in general accordance with the American Society for Testing Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-13), the California Land Re-Use and Revitalization Act of 2005 (CLRRRA, Health & Safety Code Sections 25395.60 *et seq.*), the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, 42 USC Sections 9601 *et seq.*) and the "All Appropriate Inquiries" standards (AAI Standards) which the U.S. Environmental Protection Agency enacted (40 CFR Part 312; see CLRRRA, Health & Safety Code Section 25395.65) in an effort to identify, to the extent feasible, the presence of recognized environmental conditions (RECs) with respect to the Site as defined in ASTM E1527-13 and to enable Artesia to qualify as a *bona fide* purchaser (BFP) under CLRRRA (see Health & Safety Code Sections 25395.69 and 25395.80) and as a *bona fide* prospective purchaser (BFPP) under CERCLA (see 42 USC Section 9601(35)(B)).

The Site does not have a physical street address and currently is a vacant asphalt paved parking lot, formerly used for parking trailers and vehicles. The Site is approximately 0.25-acres in size and is bound by vacant parcels to the north and east beyond which is a railway; by a vacant parcel to the south, beyond which is the 405 San Diego Freeway (I-405); and by a vacant parcel to the west, which was most recently a former golf learning facility. The elevation of the Site is approximately 45 to 50 feet above mean sea level. The topography of the Site is relatively flat and surrounding areas generally slope to the south and east towards I-405 and the railway, respectively. The Site is located within a mixed commercial and residential area within Long Beach, California. At the time of Site reconnaissance, the Site was a vacant parking lot. A storm drain was present in the southwest corner of the Site. Three small stockpiles (approximately two cubic yards) were observed near the southern portion of the parcel; one predominantly soil, one with vegetation and the third mainly concrete. A labeled 55-gallon drum containing soil cuttings from a former on-Site subsurface investigation was observed on-Site approximately 75 feet from the eastern edge of the Site. Petroleum pile-line markers were observed off-Site approximately 50 feet to the north and west and appeared to run in an east-west and north-south direction, parallel to the boundaries of the Site. Outside the northwestern corner of the Site were several abandoned flanged steel pipes with no observable liquid. Historical borings were observed throughout the Site.

On February 17, 2020, Roux personnel visually assessed the Site for potential RECs, including, but not limited to, potential underground storage tanks, aboveground storage tanks, polychlorinated biphenyl (PCB)-containing equipment, hazardous materials storage or handling areas, containerized or bulk wastes, and visual indications of impacted soil.

Roux also performed a records review in an effort to identify RECs in connection with the Site. This records review addressed the Site and surrounding properties. Roux reviewed commercially and publicly available

records associated with the Site and nearby properties to assess potential concerns associated with the migration of hazardous substances. The records review also included reasonably ascertainable historical data, which can be helpful in identifying the past uses of the Site and surrounding areas, as it may relate to the environmental condition of the Site.

Roux performed interviews and/or file reviews with various government agencies, the current owners of the Site, and other parties with possible knowledge of the Site and surrounding properties in an effort to identify current and past uses of the Site and surrounding areas, as they may relate to the environmental condition of the Site. Our findings based on these interviews and file reviews follow.

ASTM E1527-13 defines a REC as:

“The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.”

A Controlled Recognized Environmental Condition (cREC) as:

“A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

And a Historical Recognized Environmental Condition (hREC) as:

“A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a *recognized* environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”

The term recognized environmental condition is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Other environmental features (OEFs) are environmental conditions that do not meet the definition of a REC, but which may warrant mention in a comprehensive Phase I ESA.

This Executive Summary provides a brief overview of the findings of this Phase I ESA. Although the Executive Summary is an integral part of a report, it does not substitute for reading the entire report or the

appended or referenced documents in order to fully understand the findings and potential environmental concerns associated with the Site.

Based on the information obtained through the performance of this Phase I ESA, Roux identified the following RECs in connection with the current and historical operations at the Site or adjacent properties. To the extent possible, the locations of the RECs are shown in Figure 2.

- **REC 1 – Nearby Off-Site Historical Oil Development.** According to historical sources, the Site vicinity, including adjoining properties, has historically been used for oil development activities including oil production wells, evaporation and treatment ponds (sumps), and aboveground storage tanks (ASTs). The oil development operations in the Site vicinity are likely to have produced hydrocarbon impacts to the subsurface that have the potential to migrate on Site. Prior investigations at the adjoining properties indicate that regional groundwater in the area has been degraded, at least in part, due to the historical oil development activities. Total dissolved solid (TDS) impacts have been identified in the Gaspar aquifer, in the Site vicinity, which is approximately 50 to 70 feet below ground surface (bgs).

Roux did not identify cRECs or hRECs in connection with the current or historical operations at the Site or adjacent properties.

Based on this Phase I ESA, Roux identified the following OEFs. To the extent possible, the locations of the OEFs are shown in Figure 2. To minimize possible confusion, the REC and OEF identification numbers are sequential.

- **OEF 2 – Commercial Pesticide and Herbicide Use.** The former driving range / golf learning center operations adjacent to and at the Site may have involved the use of pesticides and herbicides to control and optimize vegetation typical of golf course facilities. No documentation was found confirming the use of pesticides or herbicides on the former driving range / golf learning center.
- **OEF 3 – Pressurized Oil Pipelines.** Based visual observations and the National Pipeline Mapping System (NPMS) Public View database, it is possible that two active crude oil pipelines are located within 50 feet of the Site and one of the two may bisect the Site, running from north to south. Two additional petroleum/crude pipelines were identified within 1,000 feet of the Site. No indication of a release from any of the pipelines was identified by Roux in the preparation of this Phase I ESA.
- **OEF 4 – Adjoining Off-Site Interstate Freeway.** The Site is bordered to the south by the I-405 San Diego Freeway and the off-ramp of which adjoins the Site. It is not uncommon for near-surface soils at properties in close proximity to freeways that operated in the era of leaded gasoline to be impacted by aerially deposited lead. Localized lead impacts to surficial soils were reported by Roux in one area adjoining I-405 during site investigations at the adjacent property to the northwest. (Roux, 2019).
- **OEF 5 – On-Site and Nearby Transient Activity.** Transient encampments were observed along the adjoining Los Angeles River and according to the Site personnel, transient activity was recently observed on the Site and its vicinity. Some of the domestic refuse observed on-Site may be associated with the reported transient activity. Although not observed during Site reconnaissance, used and discarded hypodermic needles are often present in areas with high transient activity.

- **OEF 6 – Unknown Fill Material.** According to information provided by the former owner of the adjoining property to the northwest, Mark Pender, soil was imported to fill the oil sumps at that adjoining property in or around the 1950s, and the fill may have originated from a nearby California Department of Transportation (CalTrans) freeway project (Roux, 2019). Subsequently, according to Mr. Pender, approximately 80,000 cubic yards (CY) of sandy soil was imported from dredging operations at the Los Angeles River. According to information provided by another former site owner of the adjacent property, Steve Sukut, additional fill material was imported to the Site, and the adjoining property to the northwest to facilitate grading for the golf learning facility. It is possible that the fill materials may be impacted, particularly with heavy metals or total petroleum hydrocarbons (TPH).

1. Introduction

As noted, Roux completed this Phase I ESA Site in accordance with ASTM E1527-13, California Land Reuse and Revitalization Act (CLRRRA), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the All Appropriate Inquiries (AAI) Standards to identify, to the extent feasible, the presence of RECs, if any, on the Site and to enable Artesia to qualify as a bona fide purchaser (BFP) under CLRRRA and as a bona fide prospective purchaser (BFPP) under CERCLA. The Site location is shown in Figure 1 and the Site and vicinity are shown in Figure 2.

The following sections of this report present our Phase I ESA findings and conclusions. A glossary containing terms and definitions presented in ASTM E1527-13 is included in Appendix A – Glossary of Terms. Other appendices presented at the end of the report include historical topographic maps, historical aerial photographs, regulatory records review documentation, applicable historical records, and personnel qualifications.

1.1 Purpose

The purpose of this Phase I ESA is to conduct an investigation of the Site in accordance with ASTM E1527-13, CLRRRA, CERCLA and the AAI Standards to identify, to the extent feasible, the presence of RECs, if any, on the Site and to enable Artesia to qualify as a BFP under CLRRRA and as a BFPP under CERCLA.

1.2 Scope of Services

The scope of services for this Phase I ESA included, but was not limited to, the activities listed below:

- A review of reasonably ascertainable and practicably reviewable historical sources, including topographic maps, historical aerial photographs, city directories, recorded land title records, building, assessors, and fire department records, for permits, citations, and reports connected to the Site to investigate past Site conditions to the extent such sources were practicably reviewable and publicly available within reasonable time and cost;
- A review of other government records including specific government lists pursuant to ASTM Standard E 1527-13 regarding environmental activities for the Site and local area properties;
- A visual inspection by an environmental professional to investigate the current use of the Site and to identify environmental concerns including but not limited to, the presence of hazardous substances or petroleum products, wastes, underground storage tanks (USTs), aboveground storage tanks (ASTs), or other environmental concerns;
- A review and assessment of commonly known or other reasonably ascertainable information;
- An evaluation of the degree obviousness of the presence and ability to detect the presence hazardous substances on the Site;
- A search for filed or recorded environmental cleanup liens;
- Interviews with available representatives of the owner of the Site, occupants, and local government officials by an environmental professional; and

- Preparation of this Phase I ESA report.

Roux initiated this Phase I ESA pursuant to verbal authorization received from the User on February 11, 2020.

1.3 Standard of Care

Roux conducted this Phase I ESA using a defined scope of services considered appropriate and agreed upon by all parties on the date the service was authorized, unless the scope of services or the methods used were later modified, in writing, and accepted by all parties prior to performance. Roux conducted this Phase I ESA in accordance with the AAI Standards and generally accepted practices in a manner consistent with that level of care exercised by other members of our profession in the same locality and under similar conditions of time and accessibility of improvements and information. No other representations, expressed or implied, and no warranty or guarantee is included or intended to be part of this Phase I ESA.

Please note that the scope of services performed in execution of this assessment may not be appropriate to satisfy the needs of other parties. We, therefore, are not responsible for independent conclusions, opinions, or recommendations of others based on our assessment. Furthermore, this Phase I ESA relates to the environmental conditions of the Site and does not address issues raised in transactions such as business risk, purchase of business entities, or interests therein, or of their assets, that may well involve environmental liabilities pertaining to properties previously owned or operated or other off-site liabilities.

Additionally, the findings of this Phase I ESA are based on Roux's observations, inquiries, and historical research using reasonably ascertainable and practically reviewable information obtained within reasonable time and cost constraints. Roux does not represent that this Phase I ESA is an exhaustive investigation that reflects the findings of all of the information available for the Site, nor is it representative of future Site conditions. If additional information is generated from the Site, it should be provided to Roux so that we may evaluate its impact on our conclusions. As such, activities or episodes that transpire subsequent to this Phase I ESA are not considered in this assessment. It is not intended that a Phase I ESA in accordance with ASTM E1527-13 be an exhaustive assessment of a property nor can it wholly eliminate uncertainty regarding the potential for RECs in connection with a property.

1.4 Assumptions

This Phase I ESA Report, including the exhibits attached hereto, describes the results of Roux's investigation to identify the presence of RECs connected with the Site in accordance with, among other standards as noted above, the AAI Standards and ASTM E1527-13. The preamble to the amended AAI Standards states:

The Environmental Protection Agency (EPA) today is taking final action to amend the standards and practices for conducting all appropriate inquiries under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) to reference a standard practice recently made available by ASTM International, a widely recognized standards development organization. Specifically, this final rule amends the "All Appropriate Inquiries Rule" at 40 CFR Part 312 to reference ASTM International's E1527-13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" and make clear that persons conducting all appropriate inquiries may use the procedures included in this standard to comply with the All Appropriate Inquiries Rule¹.

¹ Federal Register: December 30, 2013 (Volume 78, Number 250) Page 79319

One of the requirements that a person acquiring real property must meet in order to qualify as a BFP under CLRRRA or the innocent landowner, contiguous owner, or BFPP defense to liability under CERCLA is that person must conduct all appropriate inquiries into the previous ownership and uses of the property in conformance with the AAI Standards (or the ASTM E1527-13) prior to acquisition of the property. The User has acknowledged that, under the AAI Standards, Roux's performance of this Phase I ESA in accordance with ASTM E1527-13 will not alone result in the User satisfying all requirements of the AAI Standards and will not in itself qualify the User as a BFP under CLRRRA or provide a defense to CERCLA liability. The User has acknowledged that the AAI Standards also require that a prospective purchaser undertake certain additional inquiries and post-acquisition activities to satisfy the AAI Standards. Accordingly, Roux makes no guarantees or warranties, expressed or implied, regarding this Phase I ESA, including without limitation, that this Phase I ESA will qualify the User as a BFP under CLRRRA or for a defense to CERCLA liability.

Roux has performed this Phase I ESA in a professional manner using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. Professional judgments expressed herein are based on the facts currently available to Roux.

The AAI Standards require, and the conclusions and recommendations stated herein represent, the application of a variety of engineering and technical disciplines to material facts and conditions associated with the Site. As such, these conclusions and recommendations are based on subjective interpretations and the exercise of discretion based on the facts available to Roux and conditions at the time of the performance of this Phase I ESA. Many of these facts and conditions are subject to change over time. Accordingly, the conclusions and recommendations must be considered within this context.

The User has agreed that Roux shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this Phase I ESA was performed. To the extent practicable, Roux has identified data gaps, and has evaluated the potential significance of such data gaps. Recommendations to address those data gaps are presented herein and are based on the data available at the time of the performance of this Phase I ESA. Implementation of the recommendations may not fully address the data gaps, and the information obtained from execution of those recommendations may alter and/or modify the interpretation of the Site conditions and conclusions, herein. This Phase I ESA does not include consideration of matters specifically excluded by ASTM E1527-13, including but not limited to, asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, and mold unless specifically identified herein.

Roux has not collected any soil and/or groundwater samples on the Site in connection with preparing this Phase I ESA, and is relying on information presented by others, often in preliminary, draft, or verbal form. By referencing this information, Roux does not accept responsibility for the accuracy of the underlying data, sampling methods, laboratory analysis, or documentation.

This Phase I ESA should not be considered a legal interpretation of existing environmental laws and regulations. This Phase I ESA was conducted with a reasonable degree of inquiry to identify RECs, but uncertainty is not eliminated. No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The Phase I ESA process is intended to reduce, but not eliminate, the uncertainty involved with identifying RECs.

This Phase I ESA is not an appraisal or value judgment of the Site. The User has agreed that Roux shall not be liable for any use of this Phase I ESA Report as an appraisal or value judgment of the Site.

This Phase I ESA has been prepared for the exclusive use of the User for specific application to the Site covered by this Phase I ESA. The User has agreed that any third-party use of this Phase I ESA Report, upon disclosure by the User, is the sole responsibility and at the sole liability of the User. Notwithstanding the foregoing, Roux acknowledges and understands that User will use this Phase I ESA and present it to DTSC to assist User's efforts to qualify as a BFP under CLRRRA and as a BFPP under CERCLA, and has prepared this Phase I ESA with this understanding.

1.5 User Reliance

No additional parties may use the information contained in this report without obtaining the written permission of Roux, which it will not unreasonably withhold or delay in connection with any disclosure by Counsel or User to DTSC, or the User. Roux's duties and obligations extend to the User and to no other party. Roux's duties and obligations to the User are not transferable to persons, corporations, or organizations without the express written consent of the User and Roux. The User may rely upon the information provided in this Phase I ESA report for a period of 180 days from the date of issue. After 180 days, this Phase I ESA should be updated in accordance with ASTM guidance. Roux will not be liable for any consequential damages arising from the use of this report for other than its intended purpose, for use of this report beyond 180 days of its issue date, or from unauthorized use by third parties.

This Phase I ESA report must be read and interpreted as a whole and can only be considered representative of the conditions of the Site as of the date of our site reconnaissance described herein. Roux makes no representation whatsoever concerning the condition of the Site beyond the date of our site reconnaissance described herein. Individual sections and appendices of this report are dependent on the balance of this report, and on the terms, conditions, and stipulations contained in the proposal and written amendments accepted by Roux.

2. Site Description

2.1 Location and Legal Description

The Site consists of one parcel located in the Los Cerritos neighborhood of Long Beach, California (Figure 1). The Site is identified as Los Angeles County Tax Assessor's Parcel Number (APN) 7140-014-025. The Site is bound by vacant parcels to the north and east beyond which is a railway; by vacant lot to the south, beyond which is the 405 San Diego Freeway (I-405); and by a vacant former golf learning facility to the west. According to Los Angeles County Assessor data, the area of the Site is approximately 0.25-acres.

2.2 Site and Vicinity General Characteristics

As depicted in the Long Beach, California (2012) 7.5-minute quadrangle map published by the United States Geological Survey (USGS), the elevation of the Site is approximately 45 to 50 feet above mean sea level (amsl). The Site and vicinity are relatively flat, sloping southward except for a point of low elevation in the northwest portion of the Site. The Site is located within a mostly unimproved block in a residential and commercial neighborhood, bounded by North Pacific Place and the I-405 San Diego Freeway to the south, Ambeco Road to the east, and an unimproved lot to the west. West of the neighboring unimproved lot is the Los Angeles River. Aboveground improvements at the Site include a paved parking lot.

2.3 Current and Past Use of the Site

Based on Roux's review of historical sources and previous reports, the Site was undeveloped until the late 20th century. By 2002, the Site was used as a paved parking lot for the adjacent golf learning center. As noted above, the Site was vacant at the time of Roux's reconnaissance. A detailed description of the current condition of the Site is provided in Section 4.2.

2.4 Physical Setting

Roux obtained and reviewed published, reasonably ascertainable information concerning the physical setting of the Site. The following is a summary of our review of those physical setting sources.

2.4.1 Surface Water and Drainage

The nearest significant surface water feature to the Site is the Los Angeles River, which runs approximately 0.2 miles to the west. The Los Angeles River is a concrete-lined channel that runs generally north to south in the Site vicinity and discharges into the Pacific Ocean at the San Pedro Bay. No other significant surface water features were identified within the immediate Site vicinity.

2.4.2 Physiographic Setting

According to prior investigations, the Site lies within the southern portion of the Coastal Plain of Los Angeles County, which gently slopes down to the south-southwest. The Site is located within the West Coast Basin which is divided into four structural blocks delineated by zones of faulting and flexure. It is bounded on the north by the Ballona Escarpment, on the east by the Newport-Inglewood fault zone (NIFZ), and on the south and west by the Pacific Ocean and consolidated rocks of the Palos Verdes Hills (Groundwater Bulletin 118, February 2004). The Site is located along the NIFZ, which forms the boundary between the Central and West Coast sub basins and acts as a partial barrier to groundwater movement in the area. The NIFZ offsets, thins, and folds many of the aquifers. Due to the proximity of the Site to the NIFZ, aquifer depths, thicknesses,

and potential for interconnections may vary significantly across the Site. The West Coast Basin is underlain by a series of marine and continental deposits ranging in age from Holocene to Middle Miocene. These deposits, which are thought to reach a cumulative thickness of up to 13,000 feet in some areas, overlie a basement complex of pre-Cretaceous igneous and metamorphic rock (LFR, 2009).

2.4.3 Regional and Local Geology

According to prior investigations, the Site is located within a transition area of the Peninsular Ranges and Transverse Range geomorphic provinces. The primary geologic feature in the vicinity of the Site is the NIFZ, which traverses the Site in a northwest-southeast direction. The term fault zone refers to the occurrence of a series of interconnected fault planes, rather than a single defining fault plane. Tertiary and younger sediments are structurally folded and deformed along the NIFZ. The Long Beach Anticline is expressed at Signal Hill and is composed of Middle Miocene through Pleistocene and Holocene sediments resting unconformably on the Late Cretaceous to Late Jurassic Catalina Schist (LFR, 2009).

Soil beneath the Site reportedly consists of sand, silt, and clay of variable thicknesses. The soil is underlain by a thin veneer of Recent alluvium, alluvial sediments of the Late Pleistocene-age Lakewood Formation, and sediments of the Early Pleistocene-age San Pedro Formation. The thickness of the sedimentary section underlying this area is approximately 12,000 feet (Dames & Moore 1988). The Site is located within the active Long Beach Oil Field. According to agency records and prior investigations, six oil wells are located on the Site (LFR, 2009).

2.4.4 Regional and Local Hydrogeology

The Bellflower aquitard immediately underlies the Site at approximately 5 to 50 feet below ground surface (bgs). Identified aquifers beneath the Site in order of increasing depth are the Lakewood Formation (which contains the Gaspar and Gage aquifers) and the San Pedro Formation (which contains the Lynwood, Silverado, and Sunnyside aquifers).

The Gaspar aquifer is present beneath the Site from approximately 50 to 70 feet bgs as sand and gravel. Shallow groundwater was encountered at 8 feet bgs in one boring located in the central portion of the Site during 1986 soil sampling activities; however, the presence of shallow groundwater was presumed to be a localized perched condition. During December 2007 monitoring activities, the depth to groundwater beneath the Site ranged from 32.6 to 49.32 feet bgs, with a shallow gradient flowing in a southerly direction. The groundwater encountered during the December 2007 monitoring activities was believed to be the Gaspar aquifer (LFR, 2009).

The Gage aquifer has a base at approximately 180 feet bgs and has been found to be approximately 35 feet thick in the vicinity of the Site. Deposits in the Gage aquifer reportedly vary from silty sand to minor gravel. Groundwater in both aquifers of the Lakewood Formation has been reported to be of inferior chemical quality (LFR, 2009).

The lower Pleistocene San Pedro Formation unconformably underlies the Lakewood Formation and contains numerous aquifers of varying quality. The Lynwood aquifer has a base at approximately 600 feet bgs and is approximately 400 feet in thickness. According to data from the Water Replenishment District of Southern California (WRD), the shallowest contact with the Lynwood aquifer in the Site vicinity was approximately 280 feet bgs (WRD, 2018). The Silverado aquifer joins the Lynwood aquifer at approximately 600 feet bgs and continues to over 1,000 feet bgs. The deep Silverado aquifer is the only significant water-producing zone; the City of Long Beach obtains groundwater from more than 1,000 feet bgs within it (LFR, 2009).

Although groundwater underlying the Site is considered of beneficial use by the Regional Water Quality Control Board (RWQCB), regional groundwater quality is generally poor due to saltwater intrusion and industrial waste disposal. Particularly in the vicinity of the Site, historic oil and gas production activities have contributed to poor groundwater quality. No active drinking water production wells were identified within one mile of the Site (LFR, 2009).

3. Sources of Information

Sources of information utilized in preparing this Phase I ESA report included historical topographic maps; historical aerial photographs; a walkover survey of the Site and adjoining properties; in-person discussions with User and tenant personnel; a review of records available at selected local and state regulatory agencies; a review of databases maintained by local, state, and federal government agencies; and other records available from commercial and online sources.

3.1 Topographic Maps

To help understand the history of the Site and past land uses, copies of historical U.S. Geological Survey topographic maps published between 1896 and 2012 were obtained from Environmental Data Resources, Inc. (EDR), of Shelton, Connecticut. These maps have been included, in reverse chronological order as Appendix B.

3.2 Aerial Photographs

To supplement the information from the topographic maps, a “Decade Package” of aerial photographs taken between 1928 and 2016 was obtained from EDR. The aerial photographs obtained by EDR have been consolidated and included, in reverse chronological order, as Appendix C.

3.3 Fire Insurance Maps

At Roux’s request, EDR conducted a search for fire insurance map coverage of the Site. No Certified Sanborn Maps that mapped the Site were available. A copy of EDR’s “Certified Sanborn® Map Report” to that effect is included as Appendix D to this report.

3.4 City Directories

City directories have been published for cities and towns across the United States since the 1700s. Originally a list of residents, the city directories subsequently developed into a useful tool for locating individuals or businesses in certain areas. A copy of “The EDR-City Directory Image Report,” is included as Appendix E to this report.

3.5 Government Databases

To document potential sources of contamination at or near the Site, a government records search was conducted by EDR. The search included local, state, and federal records for the Site and for other properties within ASTM-standard distances of the Site. The records search is summarized in Section 7.0 and a copy of “The EDR Radius Map™ Report with GeoCheck®,” dated December 23, 2019 is included in its entirety as Appendix F. As recommended by ASTM, all but a few of the databases searched were “current,” i.e., had been updated within 90 days prior to the search date.

3.6 Site Reconnaissance

On February 17, 2020, Roux personnel conducted reconnaissance of the Site parcel. A detailed description of the reconnaissance is provided in Section 4.2. Selected photographs taken during the reconnaissance have been annotated and are included in Appendix G.

3.7 Information from Government Agencies

Roux contacted selected federal, state, and local regulatory agencies to determine whether they have potentially relevant environmental records pertaining to the Site, including in particular records relating to USTs, ASTs, environmental permits, enforcement orders, reports and correspondence related to Site investigation/assessment, soil sampling, monitoring, clean up/remediation, removal actions, closures, or any records related to conditions in air, soil, surface water, groundwater, or other environmental media. The agencies contacted and Roux's interactions with them are documented below. Roux contacted or reviewed information from the following agencies:

- Federal;
 - United States Environmental Protection Agency (EPA),
 - National Pipeline Mapping System (NPMS),
 - United States Coast Guard (USCG),
- State;
 - State Water Resources Control Board (SWRCB): GeoTracker,
 - SWRCB Storm Water Multiple Application and Report Tracking System (SMARTS),
 - Department of Toxic Substances Control (DTSC),
 - DTSC: EnviroStor,
 - DTSC: Hazardous Waste Tracking System (HWTS),
 - California Air Resources Board (CARB),
 - California Office of Environmental Health Hazard Assessment (OEHHA),
 - CalEPA: CalRecycle,
 - CalRecycle: Solid Waste Information Systems (SWIS),
 - State of California Department of Conservation: Geologic Energy Management Division (CalGEM),
- County/Regional;
 - Los Angeles County (LAC): Department of Public Health (DPH)
 - LAC Department of Public Works (DPW): Geotechnical and Materials Engineering Division (GMED),
 - LAC Sanitation Districts (SD),
 - Los Angeles Regional Water Quality Control Board (LARWQCB),
 - South Coast Air Quality Management District (SCAQMD),
 - LAC Fire Department Health Hazardous Materials Division (LACFD HHMD),
 - LACDPW: Environmental Programs
 - LACDPW: Building and Safety Department
 - LAC Assessor
- City/Local;
 - Long Beach (LB) Environmental Health Bureau (EHB),
 - LB Department of Health and Human Services (DHHS),
 - LB Development Services Department (DSD),
 - LB Fire Department (FD): Certified Unified Program Agency (CUPA).

The following sections summarize Roux's review of those records. Copies of the records are provided in Appendix I – Regulatory Records Documentation.

3.7.1 Federal Agencies

3.7.1.1. US EPA

Roux submitted an online Public Records Request on FOIAonline [Freedom of Information Act web portal] on October 23, 2019. A response was received on December 3, 2019 indicating that the USEPA had no relevant files. Roux Associate also attempted to query the online MyProperty and Envirofacts databases on February 12, 2020 but was unable to because the parcel is not associated with a street address or residential mailing address.

3.7.1.2. NPMS

Roux queried the online NPMS Public View database on October 23, 2019. The following two pipelines are located off-Site, but close to the southwestern corner of the Site:

- An active (unfilled) crude pipeline (pipeline ID: 447) operated by Crimson Pipeline L.P. (operator ID: 32103). The pipeline is part of the East Crude (Line 700 Pipeline) system and is 7.55 miles total in length.
- An active (unfilled) crude pipeline (pipeline ID: 923) operated by Crimson Pipeline L.P. (operator ID: 32103). The pipeline is part of the Norwalk / Imperial Willow / Seabright system and is 18.19 miles total in length.

One additional pipeline is located approximately 1,000 feet from the Site to the southeast.

- An active (filled) pipeline containing “non-HVL product” (pipeline ID: 034AC) operated by Tesoro Logistics Operations, LLC (operator ID 38933). “Non-HVL product” indicates a refined and/or petroleum product that is not a highly volatile liquid (HVL). The pipeline is part of the LA Basin Pipelines system and is 2.23 miles total in length.

No information regarding environmental concerns or releases associated with the pipelines was identified during the review of historical sources or agency records. Any releases associated with a pipeline would be the responsibility of the respective pipeline operator. One pipeline located greater than 1,000 feet away from the Site was identified in the regulatory database as a release case; refer to Section 7.1.3 for further discussion. Roux is not aware of any spills, leaks, or other releases associated with the subsurface oil pipelines located within or adjacent to the Site. On this basis, the presence of the oil pipelines is not considered a REC for Phase I ESA purposes.

3.7.1.3. USCG

Roux submitted a Public Records Request via email on October 23, 2019. At the time of writing no response had been received.

3.7.2 State Agencies

3.7.2.1. SWRCB GeoTracker

Roux queried the online SWRCB GeoTracker database on February 12, 2020. The following release cases were identified within approximately 1,000 feet of the Site.

- Long Beach Industrial Park (Former Oil Operators; the Site), 3701 Pacific Place was listed as an active DTSC Voluntary Cleanup case.
- Long Beach Industrial Park, 4021 Pacific Place was listed as an inactive cleanup program case.
- Oil Operators Inc., 712 West Baker St, was listed as an active cleanup program case as well as a DTSC Evaluation case.
- BP Pipeline/Arco, Golden Avenue, was listed as an active cleanup program case.

3.7.2.2. SWRCB SMARTS

Roux queried the online SWRCB SMARTS database on February 12, 2020. One listing was found in the vicinity of the Site. Metro Blue Line Track and System Refurbishment, North Pacific Place, Long Beach California 90806, was identified as an active construction facility as of February 21, 2019. No evidence of a release or other environment concern was noted at the Metro Blue Line Track and System Refurbishment facility.

3.7.2.3. DTSC

Roux submitted a Public Records Request via email on October 23, 2019. On October 24, 2019, a response was received, stating that DTSC is unable to search for records using an APN.

3.7.2.4. DTSC EnviroStor

Roux queried the online DTSC EnviroStor database on February 12, 2020. Two facilities within 1,000 feet of the Site were identified on the DTSC EnviroStor database. Refer to Section 7.1 for further discussion.

- Long Beach Industrial Park (Former Oil Operators), 3701 N. Pacific Place was listed as an active DTSC Voluntary Cleanup case.
- Oil Operators Inc., 714 West Baker St, was listed as a DTSC Evaluation case.

3.7.2.5. DTSC HWTS

Roux queried the online DTSC HWTS database on February 12, 2020. One listing within 1,000 feet of the Site was identified on the DTSC HWTS database.

- According to the USEPA ID Profile, the name of the generator was identified as C.R.G. Properties and the generator ID number was CAC002572604. In 2004, 0.417 tons of “off-spec, aged, or surplus inorganics” (California waste code 141) was generated.
- Metropolitan Water District of Southern California at 3701 N. Pacific Place was listed as an inactive site. No records of California and Non-California Manifests were found.

3.7.2.6. CARB

Roux submitted a Public Records Request via email on October 23, 2019. A response was received on October 29, 2019 indicating that no relevant records were found.

3.7.2.7. California OEHHA

Roux submitted a Public Records Request via email on October 23, 2019. A response was received on October 27, 2019 indicating that no relevant records were found.

3.7.2.8. CalEPA: CalRecycle

Roux submitted a Public Records Request via email on October 23, 2019. A response was received on October 31, 2019 indicating that no relevant records were found.

3.7.2.9. CalRecycle: SWIS

Roux queried the online SWIS Facility and Site database on February 12, 2020. The nearest SWIS facility was identified as California Department of Transportation (Caltrans) Long Beach, W LA River #2 (33.83167, -118.20572), located approximately 0.4 miles west of the Site across the Los Angeles River. The facility is classified as an unpermitted, closed solid waste disposal facility (unknown closure date). Based on the distance from the Site, this facility was not identified as a significant environmental concern.

3.7.2.10. State of California Department of Conservation: CalGEM

Roux queried the online CalGEM database on February 12, 2020. According to the CalGEM database as well as other agency and historical sources, the Site is located within the Long Beach Oil Field, an area with significant historical oil and gas development activity. There are no current or former oil wells on the Site. However, a total of 21 wells were identified within approximately 1,000 feet of the Site. Three were identified as core holes and the rest were identified as oil and gas wells. All of the wells have reportedly been plugged. The 21 wells were drilled between 1935 and 1981 and reportedly abandoned in accordance with the CalGEM standards at the timing of each well's abandonment. A summary of the available information for the nearby, off-Site oil wells is presented below.

API Number	Well Number	Type	Status	Operator	Location
0403706415	8-4	Oil & Gas	Plugged	CRG Properties Ltd.	Off-Site
0403706496	8-3	Oil & Gas	Plugged	CRG Properties Ltd.	Off-Site
0403709792	8-1	Oil & Gas	Plugged	Pacific Energy Resources Ltd.	Off-Site
0403709793	8-2	Oil & Gas	Plugged	Pacific Energy Resources Ltd.	Off-Site
0403722295	8-5	Oil & Gas	Plugged	Sun Exploration & Production Co.	Off-Site
0403722512	8-7	Oil & Gas	Plugged	CRG Properties Ltd.	Off-Site

API Number	Well Number	Type	Status	Operator	Location
0403709789	6-2	Oil & Gas	Plugged	Pacific Energy Resources Ltd.	Off-Site
0403700397	5-2	Oil & Gas	Plugged	CRG Properties Ltd.	Off-Site
0403708855	4	Oil & Gas	Plugged	State of California	Off-Site
0403709554	1	Oil & Gas	Plugged	State of California	Off-Site
0403709553	1	Oil & Gas	Plugged	State of California	Off-Site
0304709554	1	Oil & Gas	Plugged	State of California	Off-Site
0403709788	6-1	Oil & Gas	Plugged	Pacific Energy Resources Ltd.	Off-Site
0403709795	5-1	Oil & Gas	Plugged	Pacific Energy Resources Ltd.	Off-Site
0403709796	5-3	Oil & Gas	Plugged	CRG Properties Ltd.	Off-Site
0403709797	5-4	Oil & Gas	Plugged	CRG Properties Ltd.	Off-Site
0403711306	1	Oil & Gas	Plugged	Phillips Petroleum Company	Off-Site
0403713525	9-2	Oil & Gas	Plugged	CRG Properties Ltd.	Off-Site
0403725193	2A	Core Hole	Plugged	Shell Western E&P Inc.	Off-Site
0403725195	4	Core Hole	Plugged	Shell Western E&P Inc.	Off-Site
0403725197	6	Core Hole	Plugged	Shell Western E&P Inc.	Off-Site

3.7.3 County/Regional Agencies

3.7.3.1. Los Angeles County Department of Public Works (LACDPH)

Roux submitted a Public Records Request via email on October 23, 2019. At the time of writing no response had been received.

3.7.3.2. LACDPW GMED

Roux submitted a Public Records Request via email on October 23, 2019. On October 24, 2019 a response was received stating that the LACDPW GMED does not have jurisdiction for the records requested.

3.7.3.3. LACSD

Roux submitted a Public Records Request online on October 23, 2019. On October 23, 2019, a response was received stating that no records associated with the Site were identified.

3.7.3.4. LARWQCB

Roux submitted a Public Records Request online on October 23, 2019. On October 23, 2019, a response was received, stating that the LARWQCB is unable to search for records by APN.

3.7.3.5. SCAQMD

Roux submitted a Public Records Request online on October 23, 2019. On October 23, 2019, a response was received, stating that the SCAQMD is unable to search for records by APN.

3.7.3.6. LACFD HHMD

Roux submitted a Public Records Request online on October 23, 2019. On October 23, 2019 a response was received, deferring to the City of Long Beach Department of Public Works.

3.7.3.7. LACDPW: Environmental Programs Division

Roux queried the Online File Review database for industrial waste, underground storage tanks, and stormwater records on February 12, 2020. No results were found.

3.7.3.8. LACDPW: Building and Safety Department

Roux queried the online Building Permits Viewer database on February 12, 2020. No results were found.

3.7.3.9. LAC Assessor

Roux queried the online database on February 12, 2020. The parcel was under reappraisal due to sale in 1980, but has only been transacted as a Parent-Child or Trust Transfer since.

3.7.4 City/Local Agencies

3.7.4.1. LBEHB

Roux submitted a Public Records Request on October 23, 2019. A response was received on October 28, 2019 deferring jurisdiction to the LACFD.

3.7.4.2. LBDHHS

Roux submitted a Public Records Request online on October 23, 2019. A response was received on October 23, 2019 in which the LBDHHS says that they do not process these types of requests.

3.7.4.3. LBFD CUPA

Roux submitted a Public Records Request online on October 23, 2019. A response was received on November 5, 2019 stating that no relevant records were found.

3.7.4.4. Long Beach Development Services Department (LBDS)

Roux submitted a Public Records Request online on October 23, 2019. At the time of writing no response had been received.

3.8 User Provided Information

ASTM E1527-13 provides that the User perform certain tasks. The purpose of this section is to present select User-provided information that can assist in identifying possible RECs in connection with the Site. According to ASTM E1527-13, these tasks do not require the technical expertise of an environmental professional and the environmental professional generally does not perform these tasks. Roux administered a questionnaire to the User at the beginning of this Phase I ESA to assist them with these tasks. The questionnaire was

completed by Mr. Chip Brown on February 21, 2019 and is included as Appendix H to this report. The following sections outline the answers to the questionnaire as completed by the User.

3.8.1 Environmental Liens or Activity and Use Limitations

The User indicated that it have no knowledge regarding environmental liens or activity and use limitations (engineering/institutional controls) with respect to the Site.

An environmental lien search performed by EDR on August 21, 2019. According to the search, environmental liens were not found to be associated with any of the Site parcel numbers. No other activity and use limitations (AULs) were found to be associated with any of the Site parcel numbers.

3.8.2 Specialized Knowledge

The User did not report any specialized knowledge in relation to the Site not otherwise addressed.

3.8.3 Valuation Reduction for Environmental Issues

The User provided the following information regarding the relationship of the purchase price to the fair market value of the property if it were not contaminated:

“The price of the property has been adjusted from what we understand would be fair market value to account for nearby property's environmental conditions and potential risks that may be associated with such conditions.”

3.8.4 Commonly Known or Reasonably Ascertainable Information

The User does not have any knowledge regarding commonly known or reasonable ascertainable information about the Site not otherwise addressed or made publicly available and obtained in connection with Roux's search of agency records.

3.8.5 Obvious Indicators of the Presence or Likely Presence of Contamination of the Site

The User does not have any knowledge regarding commonly known or reasonable ascertainable information about the Site not otherwise addressed beyond what Roux has provided User through Roux's public records review.

Additional environmentally related records were provided to Roux by the User during the preparation of this Phase I ESA. Information from these records has been incorporated as appropriate throughout this report.

3.9 Interviews

Roux performed interviews with the owners of the Site and the former owners of the adjoining property to the northwest, as well as other parties having possible knowledge of the Site and surrounding properties in an effort to identify current and past uses of the Site and surrounding areas, as they may relate to the environmental condition of the Site.

Roux obtained written answers to specific questions from Mr. Mark Tookey, the current owner of the Site, on February 7, 2020. Based on his responses, the Site has recently been used as a parking lot and he was not aware of any known specific chemicals or spills on Site.

On August 27, 2019, Roux interviewed Steve Sukut, of Sukut Development, Inc. (Sukut Development), the former owner of an adjoining property, via phone. Mr. Sukut stated that Sukut Development has owned the majority of the adjacent property to the northwest, (Parcels 1 and 2 per property deed information) for approximately 15 years and purchased Parcels 1 and 2 from Pender Properties, Inc. (Pender Properties). From 1996 to 2016, Sukut Development operated the former on-Site golf learning facility. According to Mr. Sukut, clean soil fill was imported to the Site to facilitate grading for the driving range development circa 1996. The golf course learning center operations ceased in 2016 and the buildings associated with the driving range were removed in 2017. However, Roux's review of historical aerial photographs suggest that the buildings had been removed by 2016. Mr. Sukut stated that no additional environmental investigations were conducted following the 2009 LFR Final Remedial Investigation (RI) Report.

On August 28, 2019, Roux interviewed Mark Pender of Pender Properties, the former owner of another adjacent property. Pender Properties formerly owned portions of the same adjoining property to the northwest since approximately 1998. During that time, Pender Properties and Sukut Development had a partnership, CRG Properties. According to Mr. Pender, the former oil sumps on-Site were lined with clay. Soil was imported to fill the on-Site oil sumps in or around the 1950s and the fill may have originated from a nearby CalTrans freeway project. Later, prior to Site redevelopment activities circa 1986, a layer of polyethylene plastic sheeting was installed on the Site surface and approximately 80,000 cubic yards (CY) of sandy soil was imported to the Site from nearby Los Angeles River dredging activities and was placed on top of the plastic sheeting. The sandy soil layer on top reportedly ranged from two to eight feet thick across the Site. According to Mr. Pender, the golf learning center operations likely involved typical fertilizer and pesticide use for lawn upkeep, although he had no knowledge of bulk storage of these materials on-Site. Mr. Pender stated that the golf learning center operations ceased approximately "three to four years ago" and the buildings were removed approximately two to three years ago. Mr. Pender stated that no additional environmental investigations were conducted following the 2009 LFR Final RI Report.

4. Site History and Condition

This section documents the history of the Site and describes current conditions and existing or former environmental features. Pursuant to ASTM, Roux requested the following standard historical sources as described in Section 3.0

- Historical aerial photographs;
- Historical fire insurance maps;
- Historical topographic maps;
- Local street directories.

Historical sources from the EDR reports have been supplemented by information obtained from the records requests as described in Section 3.7.

4.1 Site History

The table below provides a historical summary of the Site in 10-year increments using information compiled from historical aerial photographs, historical USGS topographic maps, and the EDR City Directory Search. The table includes a discussion of pertinent findings, but it is not exhaustive of all historical information that may be available for the Site.

Summary of Historical Sources

Date Range	Site Description	Historical Sources
Pre-1930	<p>The earliest historic source referencing the Site is a topographic map dating from 1896. According to the map, the Site was undeveloped at that time. The Site remains undeveloped through at least 1902. The surrounding regions are primarily undeveloped as well, with a sparse network of roads and buildings and the Los Angeles river located approximately 0.2 miles to the west of the Site. The Site appears to be approximately 25 feet amsl.</p> <p>The surrounding areas show significant development by 1924. The Site is now bordered by the Pacific Electric Railway to the north and east. The Los Cerritos neighborhood to the east of the parcel, Long Beach to the southeast, and Los Angeles to the north have all been developed with buildings and appear to show significant urban development. A large circular feature (suspected petroleum product or water AST) is located approximately 0.4 miles to the southeast of the Site. The Los Angeles river southwest of the Site has been rerouted to flow directly south. The Site is flat and undeveloped with a road running north to south through it.</p>	<ul style="list-style-type: none">- 1896, 1899, 1902 USGS Downey Topographic Maps (15-minute)- 1924 USGS Compton Topographic Map (7.5 minute)- 1925 USGS Clearwater Topographic Map (7.5 minute)- 1928 Aerial Photograph
1930-1939	<p>The 1930 topographic map shows no improvement to the Site.</p>	<ul style="list-style-type: none">- 1930 USGS Compton Topographic Map (7.5-minute)
1940-1949	<p>The 1942 topographic map shows the development of oil wells directly southeast of the Site. The areas to the south and east of the Site show significant urban development. The areas to the</p>	<ul style="list-style-type: none">- 1942 USGS Downey Topographic Map (15-minute)

Date Range	Site Description	Historical Sources
	<p>northwest and southeast are now populated with oil wells. The large off-Site AST is no longer visible.</p> <p>The 1943 and 1947 topographic maps do not show any significant changes to the Site. The 1947 aerial photograph shows four small circular structures (suspected ASTs) and trees and other vegetation growing east-adjacent to the Site.</p> <p>The 1949 topographic map designates the neighboring parcel to the west as an oil sump. Additional oil wells have been constructed on the property east-adjacent to the Site.</p>	<ul style="list-style-type: none"> - 1943 USGS Downey Topographic Map (15-minute) - 1947 USGS Downey Topographic Map (15-minute) - 1947 Aerial Photograph - 1949 USGS Long Beach Topographic Map (7.5-minute)
1950-1959	<p>The general Site features in the 1950 topographic map appear similar to the 1947 aerial photograph. Two of the four small circular structures have been removed east of the Site and several towers/possible oil derricks were noted in this area.</p>	<ul style="list-style-type: none"> - 1950 USGS Anaheim Topographic Map (7.5-minute) - 1953 Aerial Photograph
1960-1969	<p>The 1964 topographic map shows further urban development in the areas surrounding the Site. The I-405 freeway has been constructed directly adjacent to the southern border of the site. The 710 freeway has been constructed west of the Los Angeles river. The parcel to the northwest of the Site is designated as an oil sump. There is now a road, later identified as North Pacific Place, running north-adjacent to the Site. A building has been constructed on the east-adjacent property. Several circular features (suspected ASTs), including a water tower, are depicted in the area of a former sump located south of the Site beyond the I-405.</p> <p>Off-Site City Directory listings include the following:</p> <ul style="list-style-type: none"> • 4021 Pacific Place: General Exploration Company of California (1967). 	<ul style="list-style-type: none"> - 1963 Aerial Photograph - 1965 USGS Anaheim Topographic Map (7.5-minute) - 1967 Pacific Telephone City Directory
1970-1979	<p>The 1972 topographic map and 1977 aerial photograph are largely consistent with the 1965 topographic map. Additional residential development is visible to the north of the Site across the railroad lines. Pond features appear alongside the Los Angeles River to the north and west of the Site.</p> <p>Off-Site City Directory listings include the following:</p> <ul style="list-style-type: none"> • 4021 N Pacific Place: General Exploration Company of California (1971, 1975, 1976), Residential listings (1975). 	<ul style="list-style-type: none"> - 1977 Aerial Photograph - 1972 USGS Anaheim Topographic Map (7.5-minute) - 1971, 1975, 1976 City Directories
1980-1989	<p>The region northwest-adjacent to the Site appears partially cleared and graded with disturbances in the northern portion of the region in the 1981 aerial photograph. The 1981 topographic map and 1989 aerial photographs do not document any significant changes to the Site.</p> <p>Off-Site City Directory listings include the following:</p> <ul style="list-style-type: none"> • 4021 N Pacific Place: Sun Production Company, Long Beach (1980, 1981), Residential (1980) 	<ul style="list-style-type: none"> - 1981 USGS Anaheim Topographic Map (7.5-minute) - 1981, 1989 Aerial Photographs - 1980, 1981 City Directories
1990-1999	<p>The 1994 aerial photograph is consistent with the 1989 aerial photograph.</p> <p>Off-Site City Directory listings include the following:</p>	<ul style="list-style-type: none"> - 1994 Aerial Photograph - 1991 City Directory

Date Range	Site Description	Historical Sources
	<ul style="list-style-type: none"> 3820 Del Mar Avenue: Trans Cal (1991) 4021 Pacific Place: Petro Resources (1991) 	
2000-2009	<p>By the time of an aerial photograph taken in 2002, the Site appears to have been developed as a circular parking lot with vegetation in the center. Features characteristic of a golf facility cover most of the northwest-adjacent property. Several small structures are now present to the west of the Site. The structures along the northwestern border of the north-adjacent property are no longer visible.</p> <p>The 2009 aerial photograph appears consistent with the 2005 aerial photograph, although over time the apparent golf features northwest-adjacent to the Site become less distinguishable.</p> <p>Off-Site City Directory listings include the following:</p> <ul style="list-style-type: none"> 3820 Del Mar Avenue: Residential (2000) 3701 N Pacific Place: A golf club (2000, 2006) and various commercial buildings (2006). 	<ul style="list-style-type: none"> 2002, 2005, 2009 Aerial Photographs 2000, 2006 City Directories
2010-Present	<p>The northwest-adjacent property is no longer identified as an oil sump in the 2012 topographic map, and the circular features to the south were absent as well. The Southern Pacific Railroad is no longer depicted.</p> <p>By the time of the 2016 aerial photograph, the northwest-adjacent property appears as a largely vacant lot. The asphalt-paved parking area, concrete walkway, and canopy remain present, however the additional structures formerly located in the west-adjacent to the Site were removed since the 2012 aerial photograph, reflecting the present configuration of the Site.</p> <p>The pond/reservoirs and circular features located south of the Site, across I-405 became progressively less distinguishable as well, indicating that they may have faded out of use. No other significant changes to the Site vicinity were noted during this time.</p>	<ul style="list-style-type: none"> 2012 USGS Anaheim Topographic Map (7.5-minute) 2012, 2016 Aerial Photograph

4.2 Site Reconnaissance

Roux personnel conducted a reconnaissance of the Site and surrounding areas on February 17, 2020. During the Site reconnaissance, the weather was warm and clear. Site access was unobstructed, and the reconnaissance was conducted on foot. Photographs taken to document conditions encountered at the time of the Site Reconnaissance are included in Appendix G – Photographic Documentation. Roux also visually and/or physically observed adjoining properties from reasonably accessible locations on the Site and public thoroughfares.

4.2.1 Current Site Condition and Limitations

At the time of Site reconnaissance, the Site was a parking lot adjacent to a vacant former golf learning facility. General refuse was present in numerous areas throughout the Site including domestic trash, glass, and soil stockpiles. Trees and vegetation were observed throughout the Site in areas along the perimeter of the parking lot. The topography of the Site was generally flat and surrounding areas generally slope to the south.

The adjacent former golf learning facility structures were removed by the time of Site reconnaissance. A storm drain was present along the southern boundary of the Site. To the south of the Site were soil stockpiles with unknown debris and materials. Historical boring locations were observed throughout the Site.

4.2.2 Interior and Exterior Observations

The following sections summarize Roux's Site reconnaissance observations.

4.2.2.1. Dumping

Roux observed evidence of general refuse and waste at the Site including domestic trash, cement, and vegetation. Much of the refuse may have been from small-scale illicit dumping activities.

It should be noted that numerous transient encampments were observed along the adjoining Los Angeles River and according to the Site personnel, transient activity was recently observed on the Site. Some of the domestic refuse observed on-Site may be associated with the reported transient activity. Although not observed during Site reconnaissance, used and discarded hypodermic needles are often present in areas with high transient activity.

4.2.2.2. Landfills or Land Farms

A large portion of the Site is covered with pavement (asphalt) formerly used as parking for the formerly adjacent golf learning center. Present day topography in the general vicinity of the Site is a result of the former driving range at the golf learning center, the off-Site railway, and the immediately adjacent I-405. Historically, the areas immediately surrounding the Site to the north, west, and south were part of the Oil Operators North facility. Refer to Section 6.0 for additional detail and discussion related to the former off-Site uses.

4.2.2.3. Drums

Roux identified one labeled soil drum, approximately 75 feet from the eastern edge of the Site. The drum was not leaking and there was no staining identified near the drum. The presence of the drum is considered *de minimis* in the context of this Phase I ESA.

4.2.2.4. Drainage Features

Roux observed a storm drain along the southern edge of the Site.

4.2.2.5. Other Features

The following features were not observed by Roux during the February 17, 2020 Site inspection, unless otherwise addressed above:

- Areas of stressed vegetation
- Areas which receive flood or storm water from potentially contaminated areas
- Air compressor vent discharges
- Discolored or Spill Areas
- Drainage Swales and Culverts
- Electrical Transformers
- Former Agricultural Applied Pesticide Area
- Hydraulic Lifts

- Incinerators
- Loading and Unloading Areas
- Non-Contact Cooling Water Discharge
- Oil-Water Separators
- Open Areas Away from Production Areas
- Process Area Sinks and Piping
- Rail Cars/Railroad Spurs
- Septic Systems Leach Fields or Seepage Pits
- Silos
- Sprayfields
- Storm Sewer and Spill Containment Collection System
- Storm Water Detention Pond
- Underground / Aboveground Storage Tanks and Associated Piping
- Waste Piles

5. Adjoining and Nearby Properties

Adjoining and nearby properties are shown in Figure 2 and are described below.

5.1 Vacant, Former Golf Learning Center to the Northwest

The western adjoining property was historically part of the former Oil Operators facility and more recently, the former golf learning center. Six oil wells, identified in previous investigations and agency records, were historically operated on the adjoining property to the northwest. The wells were not observed during Site reconnaissance. A particularly low drainage area was noted in the vicinity of one of the former wells.

5.2 Oil Operators, Inc. Property to the East

East of the Site, located south of Pacific Place, is an Oil Operators yard, which appears to function as a small storage facility. Signage observed during Site reconnaissance indicated that an unknown quantity of hazardous and flammable material is, or was, stored at the facility. No indications of a release from the facility impacting the Site were observed during the reconnaissance.

5.3 Interstate-405 San Diego Freeway to the South

The Site is bordered to the south by the I-405 San Diego Freeway and an interchange lane connecting to the I-710 Long Beach Freeway. It is not uncommon for near-surface soils at properties in close proximity to freeways that operated in the era of leaded gasoline to be impacted by aerially deposited lead. Localized lead impacts to surficial soils were reported by Roux in one area adjoining I-405 during site investigations at the adjacent property to the northwest. (Roux, 2019). Considering the proximity of the freeways, the potential for aerially deposited lead is considered an OEF in this Phase I ESA (Section 8.5).

5.4 Los Angeles River to the West

The Site is located in close proximity to the Los Angeles River to the west. This area consists of a concrete lined channel and a vacant intervening area. Five oil wells, identified in previous investigations and agency records, were historically operated in the western Los Angeles River intervening area. The wells were not observed during Site reconnaissance. The Los Angeles River intervening area sits at an elevation approximately 10 to 15 feet below the Site.

5.5 Railroad to the East-Northeast

The Site is located approximately 300 feet from the Los Angeles Metro railroad line (east-northeast). Based on the review of historical sources, the adjoining railroad has been present since at least 1924. It was originally operated by Pacific Electric and later, Southern Pacific. Although Pacific Electric and Southern Pacific operated primarily passenger rail units, freight units were also reportedly operated on the line. Beyond the railroad line is a residential development and an elementary school, Los Cerritos Elementary School.

6. Summary of Key Previous Investigations and Documents

The following documents were provided to Roux for review:

- January 1, 1986 Geofon Geotechnical Investigation (no cover page)
- Statewide Investors Site Characterization Study (GEOFON, Jaykim; October 1, 1986)
- January 22, 1988 Jaykim Engineers Revisions to the Rule 1150 Permit for Land Farming
- February 11, 1988 SCAQMD Rule 1150 Excavation Permit
- July 18, 1988 Jaykim Engineers 72-hour Notice to Proceed with Land Farming
- July 18, 1988 Jaykim Engineers Results of Biodegradation Test Plot
- April 19, 1989 Jack K Bryant SCAQMD Rule 1150 Permit Letter for Remedial Activities
- August 30, 1989 Jack K Bryant Results of Post Excavation Soil Sampling
- October 24, 1990 Oil Operators Letter to Water Board RE Monitoring
- September 20, 2002 City of Long Beach Request for DTSC Assistance with FOONS
- October 1, 2002 DTSC Response to City of Long Beach Letter (2002-09-20)
- November 24, 2003 Gregg Presentation of CPT Data
- July 22, 2004 DTSC-CRG Properties Voluntary Cleanup Agreement (VCA)
- March 24, 2005 LFR, Inc. (LFR) Letter to DTSC to Engage in VCA
- December 13, 2005 DTSC-CRG Properties VCA
- April 4, 2006 LFR Characterization Data Report - Part 1 of 2
- May 2, 2006 DTSC Meeting Agenda
- July 12, 2006 DTSC Comments to LFR Characterization Data Report (2006-04-04)
- March 7, 2007 LFR Historical Summary of Files Reviewed
- March 12, 2007 LFR Revised Characterization Data Report
- March 12, 2007 LFR RI Workplan
- March 12, 2007 LFR RTC DTSC (2006-07-12) Characterization Data Report (2006-04-04)
- August 29, 2007 LFR RI Workplan
- September 6, 2007 DTSC Comments to LFR Final RI Workplan (2007-08-29)
- September 6, 2007 DTSC Comments to LFR GW MS Q12008 (2008-06-06)
- October 19, 2007 DTSC Community Survey Questionnaire
- November 1, 2007 Multiple Community Concern Emails
- November 20, 2007 DTSC Annual Cost Estimate 2008
- March 4, 2008 LFR RI Report (missing pages)

- April 15, 2008 DTSC Fran Collier Comments to RI Report (2008-03-04)
- July 9, 2008 LFR Summary of GW Conditions and Request for Clarification for the RI and FS
- October 1, 2008 DTSC Geologist Comments to Q12008 GW MS Report
- October 10, 2008 LFR RTC DTSC (2008-04-23) RI Report (2008-03-04)
- December 18, 2008 DTSC Approval Letter for Prep of HHRA and FS - Response to 2008-10-10 LFR Letter
- May 27, 2009 LFR Final Remedial Investigation Report (RI)
- June 15, 2009 DTSC Final RI Approval letter
- December 2010 Site Building Overlay and Layout
- February 26, 2016 Phase I Environmental Site Assessment (ESA), prepared by Avocet Environmental, Inc.
- June 24, 2019 McDonald Trust Properties DTSC VCA Docket
- July 15, 2019 Limited Subsurface Assessment Summary
- August 19, 2019 California Department of Conservation Well Search
- August 30, 2019 Phase I Environmental Site Assessment, 3701 Pacific Place, Long Beach, prepared by Roux Associates
- October 31, 2019 Drilling Location Exhibit
- December 18, 2019 Site Assessment Plan and Report of Findings, prepared by Roux Associates

A summary of key environmental documents related to the Site and immediately adjoining properties is provided in the sections that follow. Selected pertinent documents are included as Appendix J to this report. It should be noted that previous investigations summarized below covered a number of properties, including the following APNs: 7140-014-019, 7140-014-020, 7140-014-021, 7140-014-022, 7140-014-023, 7140-014-025, and 7140-014-027 (Figure 2). For the purposes of the discussion below, the area that encompasses the APNs above is referred to as the 'Investigation Area.

6.1 Final Remedial Investigation Report (RI) (LFR, May 27, 2009)

According to the RI, the Investigation Area was formerly a part of operations conducted by Oil Operators, Inc., a non-profit cooperative organization that functioned as a central oil brine water treatment facility serving member oil companies. Oil brine was reportedly comprised of drilling mud and other waste generated from oil production activities. The Oil Operators facility encompassed a large area of which the Site was the southeastern portion. Brine water treatment operations began in 1926. Water was allowed to evaporate from the brine or seep into the subsurface below the sumps leaving behind a sludge. Following evaporation, the remaining sludge was left in the sumps or dumped elsewhere. Evaporation operations ceased when a water treatment plant (including evaporation ponds) was built south of the Site in the mid-1950s.

In the 1970s, a partial cleanup/treatment of the Investigation Area was conducted to allow for resale and development of the properties. The partial cleanup included removal, treatment, and replacement of a portion of the sump materials. However, detailed records describing the cleanup activities were not available for review. Additional investigations were performed in the 1980s. Numerous reports reviewed by LFR and

discussed in the RI are discussed below. It should be noted that the following information was obtained from the RI; not all of the reports were made available to Roux for direct review.

6.2 Oil Sump Site Development Feasibility Study (August 25, 1983) and Oil Sump Site Development, Supplemental Investigation (January 1984), prepared by Earth Technology Corporation

In an effort to assess the feasibility of supporting light industrial structures on the sump materials at the Oil Operators facility, 16 electric cone penetrometer tests (CPTs) were performed during two investigations by Earth Technology Corporation (ETC) within the Investigation Area. The results indicated that the majority of sump materials remaining at the property were too compressible to directly support shallow foundations and differential foundation settlement would likely be excessive. Three subsurface profiles located across the Investigation Area were created based on the CPT results. The following four zones were identified in the RI:

- *Zone 1: Stiff clay and sandy clay soil with occasional sand near the ground surface; relatively high to moderate oil content; “appeared to have been treated and recompacted.”*
- *Zone 2: Firm to soft clay and silt; moderate to low oil content; may have been lightly treated and replaced; very compressible.*
- *Zone 3: Very soft clay; untreated and uncompacted; water saturated; highly compressible. Zone 3 materials reached as deep as 30 feet bgs in some locations at the Site. The deepest area appeared to be in the central portion of the Site.*
- *Zone 4: Natural soil with some moderately compacted sump material near the top.*

6.3 Geotechnical Investigation (GEOFON, Inc., January 1986)

GEOFON, Inc. (GEOFON) conducted a geotechnical investigation to evaluate subsurface conditions at the Oil Operators facility for a potential business park development. A 1986 Site Characterization Study apparently referenced the report; however, the date of the GEOFON report is unknown. A total of 12 borings (GB-1 through GB-12) were advanced within the Investigation Area to assess soil types, levels of soil contamination, and depth of sump materials. Data from prior geotechnical investigations, including the previously discussed ETC activities, were incorporated into the GEOFON report. The total volume sump material including unprocessed, moderately processed, and lightly processed sump material was estimated to be 390,000 to 490,000 CY, of which an estimated 80,000 to 100,000 CY was unprocessed sump material. The sump materials were described as primarily “mud similar to clayey soils, mixed with highly variable amounts of salty water (brine) and oily wastes.” Two areas with the greatest amount of sump material were described as follows:

- Approximately 75,000 CY of sump material was distributed throughout a rectangular area approximately 450 feet long, 300 feet wide, and 15 feet thick in the central portion of the northwest-adjacent parcels; and
- Approximately 7,000 CY of sump material was distributed throughout a triangular area approximately 7 to 10 feet thick in the northern corner of the northwest-adjacent parcels.

The primary area of occurrence of soft, unprocessed sump material was found at the base of the sump, approximately 20 to 30 feet bgs. Shallow groundwater was encountered at 8 feet bgs in one boring (GB-4). GEOFON concluded that this was a localized perched condition due to the presence of native sands at greater depths which were not saturated, and the lack of groundwater encountered in any other borings suggested localized perched groundwater.

GEOFON concluded that present surface conditions at the Oil Operators property were not suitable for supporting structures on shallow foundations due to the highly variable engineering properties of the sump materials and the high compressibility. However, following moisture-conditioning and compacting, the soils would be suitable for supporting structures according to GEOFON.

6.4 Site Characterization Study (Jaykim Engineers, Inc. and GEOFON, October 1986)

The scope of work for the Jaykim Engineers, Inc. (Jaykim) and GEOFON investigation consisted of 12 borings advanced to collect soil samples for geophysical and chemical analysis within the Investigation Area. The borings were converted to gas monitoring probes for the purpose of monitoring gas pressures and lower explosive limit (LEL) levels. The borings denoted GB-1 through GB-12 are reportedly the same borings referenced in the previously discussed GEOFON investigation.

According to the RI, soils at the property were characterized into the following six types based on physical characteristics:

- *Type 1 – Low to medium oil content in a dark silty or sandy clay;*
- *Type 2 – Medium to high oil content, with some samples showing liquid oil, in a black, silty to sandy clay;*
- *Type 3 – Extremely high oil content in a toothpaste-like consistency;*
- *Type 4 – Very low oil content in a dry blue clay;*
- *Type 5 – Very low oil content in a dry gray sand; and*
- *Type 6 – None to very low oil content in a brown silty sand.*

Concentrations of TPH in the samples analyzed ranged from non-detect (Type 6) to 75,800 milligram per kilogram (mg/kg) (Type 3). Lead was detected up to 444 mg/kg (Type 3). Benzene and xylenes were detected at concentrations up to 3.0 mg/kg (Type 3) and 28 mg/kg (Type 2), respectively. Complete copies of the Jaykim and GEOFON reports were not available for LFR to review and tables and figures were absent. Therefore, the location and distribution of the contaminants are unknown.

Also discussed in the Site Characterization Study were four samples collected with a backhoe in April 1986. The analytical results were summarized with xylenes averaging 93 mg/kg, other volatile organic hydrocarbons averaging 11,158 mg/kg, non-volatile compounds averaging 130,200 mg/kg, and organic lead averaging 3.21 mg/kg. Detailed analytical results, tables, and figures were absent from the report.

As previously mentioned, the 12 borings advanced during the Jaykim and GEOFON investigations were converted to gas probes following collection of soil samples. Gas analysis included field testing for LEL

concentrations and probe pressures, as well as “GC/halogenated compounds and BTX.” Methane concentrations reportedly ranged from 12.1 to 83.6%. Detailed analytical results, tables, and figures were absent from the report.

One groundwater sample was collected by GEOFON in 1986 from boring GB-4 in the presumed perched groundwater layer at 8 feet bgs. Concentrations reportedly included 26,000 microgram per liter (µg/L) of TPH, 18,000 µg/L of zinc, and 16,000 µg/L of lead. Jaykim reportedly collected additional perched groundwater samples in 1988. Concentrations reportedly included 16 milligram per liter (mg/L) of lead, 5.5 mg/L of chromium, and 7.3 mg/L of copper. The perched water appears isolated (not identified in other borings) at a location central to the northwest-adjacent parcels. Off-site migration of the perched water appears unlikely.

The Jaykim report also stated that the volume of fill material to be reprocessed was approximately 400,000 to 500,000 CY, of which approximately two thirds of the fill material were previously processed and had a relatively low oil content and soil-like properties. Jaykim stated that the low oil content fill material could be relatively easily removed, replaced, and compacted and that the remaining one third of fill material with a high oil content could be mixed with clean fill dirt, replaced, and compacted.

6.5 Agency Correspondences Related to Test Plot at Oil Operators North Site (Jaykim, 1988)

In a July 1988 letter to the RWQCB, Jaykim described the operation of a test plot to demonstrate the feasibility of soil bioremediation at the Oil Operators property. On May 31, 1988, the test plot area was cleared and leveled, and soil vapor readings within three inches of the soil surface were taken with a combustible vapor detector. Six “cells” that were approximately 8 feet wide by 50 feet long were staked out and rototilled. Ammonium nitrate and phosphate were then applied to the cells and tilled into the soil.

In June 1988, composite soil samples were collected from each cell. Oil-utilizing bacteria and warm water were added to five of the six cells and the five cells were then tilled and watered into the soil. Approximately 20 CY of oil-contaminated soil was removed to a depth of 15 to 20 feet bgs and mixed with surface soil in a one-to-one ratio. The soil mixture was then spread onto each of the cells at varying depths ranging from 3 to 6 inches and tilled into the surface and mixing was performed between two and six times daily over the course of five days to determine the optimal mixing frequency.

Results of the test indicated that the treatment process was more effective with more frequent mixing; the plots mixed six times per day had the greatest reduction in TPH concentrations (from 3,200 to 1,300 mg/kg), compared with reductions in a plot that was mixed twice daily (from 840 to 770 mg/kg).

6.6 Documents Detailing Land Farming Activities (Jaykim, Jack K. Bryant & Associates, 1987-1989)

Revised Excavation Management Plan for Oil Operators, Inc. North site (Jaykim, October 1987). Planned land farming procedures to be accomplished in a grid pattern across the Investigation Area were described with an expected timeframe for completion of eleven months. Other activities to occur concurrently with the land farming included odor and dust control and groundwater monitoring.

Oil Operators, Inc. Rule 1150 Permit No. 157742 (Jack K. Bryant & Associates [JB], April 1989). This letter requested an extension of the Rule 1150 permit due to the time required to process 100,000 CY of material

containing 20,000 mg/kg or more of oil. The permit would again be extended if the material encountered had an absolute vapor pressure below 36 millimeters of mercury (mmHg).

6.7 Letter Detailing the Results of Post-Excavation Soil Sampling (JB, August 1989)

The letter provided analytical results for 14 soil samples collected during excavation activities that occurred in August 1989. The purpose of the soil sampling was reportedly to determine the amount of total recoverable petroleum hydrocarbons (TRPH) in soil within the Investigation Area; to analyze one sample for VOCs, SVOCs, pesticides, PCBs, metals, and pH; and to determine the potential for bioremediation of the soil. Concentrations of TRPH ranged from 16 to 92,000 parts per million (ppm) with higher concentration samples located near the center of the adjacent property to the northwest. In the singular sample analyzed for VOCs, SVOCs, pesticides, PCBs, metals, and pH, detections included 7.5 mg/kg of ethylbenzene, 3 mg/kg of benzene, 540 mg/kg of lead, and 44 mg/kg of arsenic.

6.8 Preliminary Assessment (Ecology and Environment, Inc., 1990)

According to the Preliminary Assessment, the California Department of Health Services collected soil samples in October 1989 with the Investigation Area. Analytical results exceeding reported regulatory standards included arsenic (44 mg/kg), naphthalene (8,700 µg/kg), and TPH (95,000 ppm). Detailed analytical results, tables, and figures were absent from the report.

6.9 Documentation Regarding Groundwater Monitoring Activities (JB, RWQCB; 1987-1997)

A letter dated May 5, 1987 from the Los Angeles RWQCB to Oil Operators provided approval for waste discharge requirements and included a requirement for monthly groundwater elevation measurement and quarterly groundwater monitoring for the northwest-adjacent parcels. Subsequently, in letters dated November 7, 1989 and October 24, 1990, the previous quarterly groundwater monitoring requirement was altered to be annual groundwater monitoring as results reportedly did not show variations from previous tests. The actual groundwater monitoring report data was not made available to Roux for review.

6.10 Groundwater Monitoring Report for Oil Operators North Site (JB, February 1996)

This report presented the results of the groundwater sampling event that occurred in January 1996. Samples were collected from wells MW-2, MW-3, and MW-4. The depth to groundwater in the wells ranged from 39.3 feet bgs (MW-4) to 50.6 feet bgs (MW-2). The following results were provided by LFR in the RI:

- The pH ranged from 6.45 to 6.65 units;
- Concentrations of total dissolved solids (TDS) ranged from 2,690,000 µg/L to 10,800,000 µg/L;
- TRPH was detected in well MW-2 at 1,400 µg/L;
- TPH was not detected in any of the monitoring wells;

- Ethylbenzene and total xylenes were detected in MW-3 at concentrations of 0.9 µg/L and 2.4 µg/L, respectively, toluene was detected in monitoring well MW-4 at a concentration of 0.5 µg/L; and
- Lead, chromium, and nickel were not detected in any of the monitoring wells; zinc was detected at concentrations ranging from 20 µg/L (MW-3) to 120 µg/L (MW-2) and copper was detected at concentrations ranging from 74 µg/L (MW-4) to 80 µg/L (MW-2).

6.11 Annual Groundwater Monitoring Report 1996 for Oil Operators North Site (JB, March 1997)

This report presented the results of the groundwater sampling event that occurred in January 1996. Samples were collected from wells MW-2, MW-3 and MW-4. The depth to groundwater in the wells ranged from 42.43 feet bgs (MW-4) to 61.95 feet bgs (MW-2). The increase in groundwater depths was attributed to earthmoving activities within the Investigation Area. The following results were provided by LFR in the RI:

- The pH ranged from 6.34 to 6.78 units;
- TDS concentrations ranged from 2,030,000 to 11,800,000 µg/L;
- TRPH and TPH were not detected in any of the wells;
- Benzene was detected in two wells, MW-2 and MW-3, at concentrations of 0.6 µg/L and 88 µg/L, respectively; toluene, ethylbenzene, and xylenes were detected in well MW-3 at concentrations ranging from 1.6 µg/L to 15 µg/L; and
- Zinc was detected at concentrations ranging from 100 µg/L (MW-4) to 200 µg/L (MW-2); lead was detected at concentrations ranging from 130 µg/L (MW-4) to 280 µg/L (MW-3); and nickel was detected in MW-3 at a concentration of 65 µg/L.

No other groundwater monitoring reports were provided to LFR or Roux for review; it is unknown whether additional groundwater sampling was conducted within the Investigation Area. Land farming operations reportedly ceased due to public complaints received by the SCAQMD; however, the date of these complaints is unknown.

A Voluntary Cleanup Program (VCP) application for the Oil Operators facility was approved by the DTSC on December 20, 2005. A Data Characterization Report was submitted to the DTSC to describe current and historical investigation and remediation activities in 2006. The DTSC challenged the report on the grounds that the Oil Operators facility had not been fully characterized and that further investigation was needed prior to the development of a remedial investigation workplan. In response to DTSC comments, a historical review of the facility was submitted in March 2007, which included the review of historical aerial photographs, topographic maps, and Division of Oil and, Gas and Geothermal Resources (DOGGR) records. The DTSC approved a remedial investigation workplan in September 2007.

6.12 Regional Degradation of Groundwater Quality (LFR, 2009)

In March 2009, LFR conducted groundwater monitoring of wells in the Site vicinity. TDS in groundwater were 1,000 mg/L in MW-5, 2,000 mg/L in MW-6, 6,200 mg/L in MW-3, and 7,800 mg/L in MW-7, which indicated that concentrations of TDS in groundwater increased in the hydraulically downgradient direction. No clear trend regarding chloride concentrations was observed. According to LFR, it was unknown whether the

elevated TDS concentrations were due to natural processes or historical operations on the adjacent property to the northwest or in the Site vicinity. LFR stated that “the Gaspur aquifer has historically been intruded by an influx of seawater during low water conditions in an inland direction to areas beyond Carson Street (located north of the Site) toward the crest of the Newport-Inglewood uplift.” According to LFR, groundwater entered the site classified as slightly saline (1,000 to 3,000 mg/L), and exits the site classified as moderately saline (3,000 to 10,000 mg/L), with even higher levels of TDS and chloride detected in the Gaspur aquifer south of the site. Based on the groundwater monitoring data, LFR concluded that site groundwater conditions did not appear to differ significantly from the regional groundwater quality. On this basis, LFR further concluded that groundwater in the area is degraded from numerous and complex interactions of nature as well as historical activities; the site was likely part of this but did not appear to be the sole or even primary cause of groundwater degradation. Due to the regional groundwater degradation issue, LFR stated that remedial action within the context of the Gaspur aquifer would be highly costly and likely ineffective.

6.13 Remedial Investigation Activities (LFR, 2009)

LFR conducted soil investigation activities within the Investigation Area between November 2003 and December 2007. Refer to Appendix J for the LFR report and a complete discussion of investigation results. A summary of the results is provided below.

6.13.1 Soil

A summary of the soil sampling results is provided below.

- Petroleum hydrocarbons were the primary contaminant found within the investigated area, with longer carbon chains predominant. Both extractable and volatile hydrocarbon criteria were near or below the screening levels established by LFR using the Massachusetts Department of Environmental Protection (MA DEP) approach to evaluate potential hazard from exposure for low quality groundwater.
- When compared with the MA DEP screening levels, only the TPH concentration detected in one sample (B7A-40; 7,850 mg/kg) was considered a potential hazard. However, based on the depth below ground surface, this concentration was determined to be unlikely to pose a threat to any receptors.
- Analytical results for VOCs collected in soil samples by LFR in 2003 and in 2007 indicated that VOCs were not present at levels above USEPA industrial preliminary remediation goals (iPRGs) in the sump samples collected.
- SVOC exceedances of iPRGs were one benzo(a)pyrene exceedance at 50 feet bgs (boring B7), and two naphthalene exceedances at 30 and 50 feet bgs (boring B7A). Based on the depth below ground surface, these concentrations were not identified by LFR as a threat to any receptors.
- Metals of concern identified within the Investigation Area were arsenic (up to 28.6 mg/kg, exceeding typical California background concentrations) and lead. Lead concentrations were exceeded for disposal purposes; however, a deionized water evaluation suggested no significant water quality threat and levels were below the iPRG.
- No PCBs or organochlorine pesticides were detected at concentrations above iPRGs.

6.13.2 Soil Vapor

PCE, TCE, and benzene were detected at concentrations above California Human Health Screening Levels (CHHSLs). Detectable PCE concentrations ranged from 5.3 µg/L to 9.1 µg/L, and TCE concentrations ranged from 1.8 µg/L to 2.0 µg/L. Benzene was detected at concentrations up to 0.33 µg/L. A preliminary Johnson and Ettinger evaluation performed by LFR indicated “insignificant concerns” for these compounds.

Methane was detected at concentrations up to 30%, with 2 samples (out of 26) containing methane between the lower explosive limit (LEL) and the upper explosive limit (UEL), i.e. within the explosive range, during LFR’s investigation. In prior investigations, methane concentrations reportedly ranged from 12.1 to 83.6%. LFR stated that methane would require consideration and potential mitigation during design and construction activities.

6.13.3 Groundwater

Historically, total petroleum hydrocarbon carbon chain (TPHcc), VOCs, and SVOCs were not detected above their respective maximum contaminant levels (MCLs). Due to the regional degradation of groundwater quality from historic oil production activities (TDS impacts) in the Site vicinity, the Site groundwater conditions were determined by LFR to be generally consistent with limited concerns. In prior investigations lead was observed in groundwater; however, recent analysis found no significant impacts. Arsenic, barium, and mercury were detected at concentrations that exceeded their MCLs.

6.14 Final Remedial Investigation for Former Oil Operators North Site (June 15, 2009)

The DTSC issued a letter to LFR dated June 15, 2009 regarding the RI. The letter stated that the DTSC reviewed the final RI report dated May 27, 2007, and that the project was ready for a Feasibility Study (FS) as well as a Human Health and Ecological Risk Assessment (HHRA) workplan.

A summary of key environmental documents is provided in the subsequent sections. The following sections summarize the findings from prior investigations and pertinent documents are included as Appendix J to the report.

6.15 Limited Subsurface Assessment Summary (July 15, 2019), prepared by Avocet Environmental, Inc.

According to the Limited Subsurface Assessment Summary, the McDonald parcels – the four parcels to the northeast and east of the Site, were historically used for oil and gas production and featured at least six oil wells, a battery of four ASTs, and presumably related subsurface pipelines. At least one oil pipeline runs through the southernmost portion of the parcels. All four parcels are located immediately east of the former Oil Operators property, where oil field wastes, including brine, were stored in unlined sumps.

According to Avocet, the original Oil Operators facility featured as many as 14 unlined sumps or basins on the east bank of the Los Angeles River to which drilling fluids, drill cuttings, oil, and brine were discharged via pipeline. Several investigations occurred on the Oil Operators property which, according to Avocet suggested the Oil Operators operations may have encroached onto the Site. The assessment determined that the four parcels were not significantly impacted by Oil Operators operations to the west and/or releases from the four former ASTs.

Avocet advanced six exploratory borings on the McDonald parcels to determine the possible presence of oily sludge beneath the western edge of the parcel adjacent to the Site and/or the presence of petroleum hydrocarbons in soil beneath the former ASTs. The results of the borings indicated that the impact of the past operations in the Oil Operators North sump on the McDonald parcels was negligible. Avocet found that the oily sludge from the sump did not encroach onto any of the four McDonald parcels. TPH, VOC, PAH, and metals concentrations in soil and VOC and methane concentrations in soil vapor along the western boundary of the four parcels was not significant.

6.16 McDonald Trust Properties, DTSC VCA Docket, prepared by Jeanne McDonald

In a letter to the DTSC, Jeanne McDonald, one of the owners of the McDonald parcels, asked for the four McDonald parcels, neighboring the Site to the northeast and east, to be removed from a VCA that had been entered into in the mid-2000s for a proposed 18-acre Industrial Park. The original industrial development and the VCA included the four McDonald parcels, the Site, and the Oil Operators property. The letter detailed the history of environmental investigations in the Investigation Area.

6.17 Phase I ESA (February 26, 2016), prepared by Avocet Environmental Inc.

Avocet prepared a Phase I ESA for the proposed 18-acre Long Beach Industrial Park, which included the Site. The ESA found that groundwater beneath the property flowed south or south-southeast and contained elevated concentrations of chloride and TDS. The property was identified to be located within the Long Beach oil field and historically featured at least 12 oil or gas wells along with pipelines and four ASTs. The ESA found four RECs associated with the property:

- Processed and unprocessed sump material;
- Groundwater contamination;
- Methane in soil vapor;
- Former oil and gas infrastructure; and

Four OEFs associated with the property included:

- Voluntary cleanup agreement with DTSC;
- Petroleum pipeline;
- Aerially deposited lead; and
- Six monitoring wells on the property.

6.18 Site Assessment Plan and Report of Findings (SAP Report) (October 14, 2019), prepared by Roux

Roux prepared the SAP Report for 3701 North Pacific Place, three parcels adjacent to the Site, which presented the results of an August 2019 supplemental subsurface investigation at the property. Roux advanced forty-one soil borings to collect soil samples, five borings to determine the thickness of the existing cover soil, and 24 soil vapor probes to collect soil vapor samples. Roux also located two groundwater monitoring wells and successfully sampled one of the wells, namely, Well MW-7; others were not found. Roux

advanced three additional borings and collected grab groundwater samples. Based on the results of the investigation, Roux made the following conclusions:

- The property's existing impacted materials do not appear to have significantly impacted groundwater quality. The materials could be left in place with an engineered soil cap placed over the property.
- Based on the thickness of the existing soil cover, the property could be graded and flattened without penetrating the top of the impacted soil. Lead, arsenic, and total petroleum hydrocarbons exceeded their corresponding screening levels in 10 localized areas that Roux considered areas of elevated concentrations that would be managed to eliminate the exceedances.
- Elevated concentrations of benzene and methane were detected in soil vapor at nine locations on the property. Mitigation measures, including building protection systems, vapor barriers, and vapor containment systems, will be provided to ensure that future buildings are protected from potential vapor intrusion and that potential migration of methane and/or soil vapor is contained.
- The groundwater sample results indicate that although impacted, the current groundwater quality is consistent with that observed in 2008 and 2009. The property groundwater conditions do not appear to differ significantly from the regional groundwater quality and Roux does not anticipate any active groundwater remediation.

7. Records Review

According to ASTM Standard E1527-13, the purpose of reviewing regulatory records is to obtain and review records that will help identify *recognized environmental conditions* in connection with the Site. In addition, some records to be reviewed pertain not only to the Site, but also to properties within an additional “approximate minimum search distance” in order to help assess the likelihood of problems from migrating hazardous substances or petroleum products. The basis of the “approximate minimum search distance” is the Site boundary.

Roux retained EDR of Shelton, Connecticut to provide an ASTM Radius Map Report for this Site. This report is a computerized search of select state and federal environmental databases that identify various properties with a record of environmental activity. Roux reviewed the report and summarized the relevant findings in the following sections. A copy of the compiled EDR Report has been included as Appendix F. The EDR report includes a detailed description of each of the databases searched, providing a summary of the type of information provided by each.

The following section describes the findings of the database search. Roux has used professional judgement in determining which EDR-listed sites to include in the narrative of this report. Sites adjoining the Site are included due to their proximity to the Site and the potential for surface water discharges (e.g., storm water runoff, surface water effluent discharges) to enter the Subject Site or through the migration of groundwater. Sites with listings indicative of a release (e.g. SHWS, LUST, RELEASE) with a reasonable likelihood of affecting subsurface conditions at the Site are likewise discussed below. Nonadjacent sites with database listings not necessarily indicative of a release (e.g. hazardous waste generator, FINDS, ECHO, NPDES, HAZNET, AST, or UST), or sites sufficiently distant from the subject Site, will not be discussed unless considered potentially relevant in context of the Phase I ESA.

7.1 Site (Target Property)

The Site parcel was not identified in the Radius Map Report.

7.2 Adjoining Properties

Adjoining properties (3701 and 4021 N. Pacific Place) were identified on several databases searched by EDR, as summarized below.

Address	Owner/Operator	Database	Comment
3701 Pacific Place	Long Beach Industrial Park (A.K.A Former Oil Operators)	ENVIROSTOR VCP	ID: 70000161. Active voluntary cleanup case with petroleum hydrocarbons, methane, VOCs, SVOCs, and heavy metal (arsenic and lead) contamination in soil, soil gas, and groundwater due to former oil field waste treatment operations.
	C.R.G. Properties	HAZNET	ID: CAC002572604. 2004 disposal – off-specification, aged or surplus inorganics. No indication of a release.

Address	Owner/Operator	Database	Comment
	Long Beach Industrial Park	FINDS	Registry ID: 110033607899. Tracking other database listings.
4021 Pacific Place	Petro Resources Inc	SEMS-ARCHIVE	USEPA ID: CAD981371222. Non-NPL status.
	Long Beach Industrial Park	CPS-SLIC, CERS	Global ID: SL0603792443. Open – Inactive facility as of January 2015. Other solvent or non-petroleum hydrocarbon impact to soil.
	C.R.G. Properties	UST	UST listing. No indication of a release.

7.3 Site Vicinity

EDR identified the following properties located within one mile of the Site from the databases searched. Roux has reviewed each of the database listings with a focus on any property that experienced a release of hazardous or petroleum product with the potential to affect subsurface conditions at the Site. Properties where listings did not contain any information suggestive of a release with the potential to have impacted conditions at the Site have not been included in this section.

- **Oil Operators (South) Inc. - 712, 714 West Baker Street, approximately 800 feet south of the Site.**

An Oil Operators, Inc. facility was also present on the south side of the I-405 Freeway, with 712 as the primary street address. The Oil Operators, Inc. (south) facility is listed on the CPS-SLIC, ENVIROSTOR, CHMIRS, CERS, SWEEPS UST, CA FID UST, EMI, HIST UST, SEMS-ARCHIVE, and UST databases. The CPS-SLIC, ENVIROSTOR, and CERS database listings refer to an open – site assessment cleanup case with the Los Angeles Regional Water Quality Control Board as the lead agency. Based on the information documented in the Phase I ESA, prepared by Avocet Environmental, Inc., dated February 26, 2016, the facility operated as a water treatment facility, treating produced water and other fluids recovered during oil production, from 1926 through 1998. The former settling basin, Basin 1, was repurposed for bioremediation for oily residual soil from water treatment. Cleanup criteria were established for the primary chemicals of concern (TPH, BTEX, arsenic, chromium, lead and nickel) in Basin 1. The SSI found that the chemicals of potential concerns within the facility were TPH-g and methane in soil vapor; TPH, benzene, and total arsenic and lead in soil; and TPH, benzene, 1,2-dichloroethane, arsenic, chromium, and lead in groundwater. The CHMIRS database details a release of less than 2 gallons of petroleum from a leaking pipeline in 1996. The “Workplan Supplemental Assessment for Origin of LNAPL Impacts near Bryon MW1,” prepared by California Environmental, dated February 2019, notes three subsurface petroleum pipelines that border the facility to the east. Gasoline products detected in Brycon-MW1 within the facility are likely to have originated from the leaks associated with the bordering gasoline pipelines based on consistent chemical composition (see BP Pipeline case in Section 7.1.3). No documents subsequent to this workplan are available for review on Geotracker. It appears that the Oil Operators, Inc. (south) facility was once connected with the subject Oil Operators operations discussed at length throughout this report. As has been noted, on-Site and off-Site oilfield related activities have

contributed to overall poor regional groundwater quality. The Oil Operators, Inc. (south) facility is addressed by the RECs listed in Section 8.2 covering former oilfield operations.

- **BP Pipeline/Arco - Golden Avenue, approximately 0.25 miles south of the Site.**

The BP Pipeline/Arco facility is listed on the CPS-SLIC and CERS databases. The database listings identify an open – assessment and interim remedial action case with LA RWQCB as the lead agency. Soil gas investigations in July 2011, conducted by Oil Operators, Inc., determined that benzene in soil gas was due to a BP pipeline release. An SVE system was installed and operated from September 2012 through September 2014. On June 2013, Tesoro bought the BP pipelines and assumed responsibility for assessment and remediation activities. Tesoro constructed a new SVE treatment compound and resumed operation in April 2015. A “Revised Expanded Interim Remedial Action Plan,” prepared by AECOM, dated October 31, 2018, was submitted and approved by the Water Board to continue addressing areas of concern. No relevant documents subsequent to this workplan are available for review on GeoTracker. Considering the documented lateral extents of the release, the hydraulically downgradient location of the suspected release with respect to the Site, and the intervening distance, it is considered unlikely that the petroleum pipeline release at the BP Pipeline/Arco facility would have adversely impacted subsurface conditions at the Site.

- **W Los Angeles/At End of W. Carson, approximately 0.4 miles northwest of the Site.**

The Caltrans Long Beach, W LA River #2 facility is listed on the SWF/LF and CERS databases. The database listings refer to the facility as a closed solid waste disposal site. Considering the closed operational status and the Los Angeles River intervening between the facility and the Site, it is considered unlikely that the former disposal operations at the Caltrans facility would have adversely impacted subsurface conditions at the Site.

- **Bixby Land Co. – 1101 Wardlow Street, approximately 0.4 miles southwest of the Site.**

The Bixby Land Co. facility is listed on the CPS-SLIC database. This database listing refers to a TPH release to an unspecified media. The facility has received a No Further Action status. Considering the No Further Action status, the hydraulically downgradient location of the facility with respect to the Site, and the intervening distance, it is considered unlikely that the TPH release at the Bixby Land Co. facility would have adversely impacted subsurface conditions at the Site.

- **Raytheon Systems Co – 1500, 1665 Hughes Way, approximately 0.5 miles west northwest of the Site.**

The Raytheon Systems Co facility is listed on the SEMS, CORRACTS, RCRA-TSDF, RCRA-SQG, EMI, HWP, ENVIROSTOR, FINDS, EMI, and CERS databases. The RCRA-TSDF database listing identifies four violations and the RCRA-SQG database listing identifies three violations in October 11, 1988. All violations achieved compliance by February 21, 1989. The ENVIROSTOR database listing refers to a corrective action cleanup case with a no action required status with DTSC as the lead agency. The facility (also known as Hughes Aircraft Support) operated as a manufacturer of electronic components which generated and stored hazardous waste within the facility. The case achieved a no action required status in May 31, 2012. Potential contaminants of concern and potential media affected were not specified. Considering the no action required status, the hydraulically downgradient location of the facility with respect to the Site, and the intervening

distance, it is considered unlikely that the operations at the Raytheon Systems Co facility would have adversely impacted subsurface conditions at the Site.

- **Long Beach USD-Board Building – 1515 Hughes Way, approximately 0.7 miles west northwest of the Site.**

The Long Beach USD-Board Building facility is located approximately 3,083 feet west of the Site. The facility is listed on the ENVIROSTOR, SCH, HAZNET, and CERS databases. The ENVIROSTOR and SCH database listings refer to an active school site with DTSC as the lead agency. The facility has a voluntary cleanup agreement with the DTSC. Potential contaminants of concern and potential media affected were not specified. The CERS database listing identifies two violations involving the administration building. Both violations achieved compliance on January 12, 2016. Considering the lack of indication of a known or potential release and the hydraulically downgradient location of the facility with respect to the Site, and the intervening distance, it is considered unlikely that the Long Beach USD-Board Building facility would have adversely impacted subsurface conditions at the Site.

- **South Region High School #4 5640019 – West Carson Street/Santa Fe Avenue, approximately 0.9 miles northwest of the Site.**

The South Region High School #4 5640019 facility is listed on the ENVIROSTOR and SCH databases. The ENVIROSTOR database listing refers to a school cleanup case with no further action status with DTSC as the lead agency. Based on the information provided in the DTSC “Approval of Preliminary Environmental Assessment Report,” dated March 6, 2006, step-out sampling conducted in March and June 2006 indicated no significant risks of metals and SVOCs to human health or the environment. On this basis, DTSC granted a no further action status for the Site. Considering the no further action status and the hydraulically cross-gradient location of the facility with respect to the Site, and the intervening distance, it is considered unlikely that conditions at the high school would have adversely impacted subsurface conditions at the Site.

8. Findings

Roux has performed this Phase I ESA in general compliance with the scope and limitations of ASTM Standard Practice E1527-13, the AAI Standards, CLRRRA and CERCLA. Roux separated the findings of this assessment into the following four categories: *recognized environmental conditions*, *controlled recognized environmental conditions*, *historical recognized environmental conditions* and *other environmental features*.

8.1 Data Gaps

During conduct of this ESA, the following data gaps, as defined in ASTM Standard E1527-13 were identified:

- Previous Site owners were not available for an interview. This data gap is not considered significant due to sufficient information regarding Site history available from current Site owners, EDR historical documents and FOIA requests.
- As of this report date, the following agency records requests are pending: USCG, LACDPH, and LBDSD. Considering the substantial information provided by other agencies and the limited scope of additional information sought by these pending records requests, it is not anticipated that these pending responses constitute a significant data gap.

8.2 Recognized Environmental Conditions

Based on the information obtained through the performance of this ESA, Roux identified the following RECs in connection with the current and historical operations at the Site or adjacent properties. To the extent possible, the locations of the recognized environmental conditions are shown in Figure 2.

- **REC 1 – Nearby Off-Site Historical Oil Development.** According to historical sources, the Site vicinity, including adjoining properties, has historically been used for oil development activities including oil production wells, evaporation and treatment ponds (sumps), and aboveground storage tanks (ASTs). The oil development operations in the Site vicinity are likely to have produced hydrocarbon impacts to the subsurface that have the potential to migrate on Site. Prior investigations at the adjoining properties indicate that regional groundwater in the area has been degraded, at least in part, due to the historical oil development activities. Total dissolved solid (TDS) impacts have been identified in the Gaspur aquifer, in the Site vicinity, which is approximately 50 to 70 feet below ground surface (bgs).

8.3 Controlled Recognized Environmental Conditions

Roux did not identify cRECs in connection with the current and historical operations at the Site or adjacent properties.

8.4 Historical Recognized Environmental Conditions

Roux did not identify hRECs in connection with the current and historical operations at the Site or adjacent properties.

8.5 Other Environmental Features

Based on this Phase I ESA, Roux identified the following OEFs. To the extent possible, the locations of the OEFs are shown in Figure 2. To minimize possible confusion, the REC and OEF identification numbers are sequential.

- **OEF 2 – Commercial Pesticide and Herbicide Use.** The former driving range / golf learning center operations adjacent to and at the Site may have involved the use of pesticides and herbicides to control and optimize vegetation typical of golf course facilities. No documentation was found confirming the use of pesticides or herbicides on the former driving range / golf learning center.
- **OEF 3 – Pressurized Oil Pipelines.** Based visual observations and the National Pipeline Mapping System (NPMS) Public View database, it is possible that two active crude oil pipelines are located within 50 feet of the Site and one of the two may bisect the Site, running from north to south. Two additional petroleum/crude pipelines were identified within 1,000 feet of the Site. No indication of a release from any of the pipelines was identified by Roux in the preparation of this Phase I ESA.
- **OEF 4 – Adjoining Off-Site Interstate Freeway.** The Site is bordered to the south by the I-405 San Diego Freeway and the off-ramp of which adjoins the Site. It is not uncommon for near-surface soils at properties in close proximity to freeways that operated in the era of leaded gasoline to be impacted by aerially deposited lead. Localized lead impacts to surficial soils were reported by Roux in one area adjoining I-405 during site investigations at the adjacent property to the northwest. (Roux, 2019).
- **OEF 5 – On-Site and Nearby Transient Activity.** Transient encampments were observed along the adjoining Los Angeles River and according to the Site personnel, transient activity was recently observed on the Site and its vicinity. Some of the domestic refuse observed on-Site may be associated with the reported transient activity. Although not observed during Site reconnaissance, used and discarded hypodermic needles are often present in areas with high transient activity.
- **OEF 6 – Unknown Fill Material.** According to information provided by the former owner of the adjoining property to the northwest, Mark Pender, soil was imported to fill the oil sumps at that adjoining property in or around the 1950s, and the fill may have originated from a nearby California Department of Transportation (CalTrans) freeway project (Roux, 2019). Subsequently, according to Mr. Pender, approximately 80,000 cubic yards (CY) of sandy soil was imported from dredging operations at the Los Angeles River. According to information provided by another former site owner of the adjacent property, Steve Sukut, additional fill material was imported to the Site, and the adjoining property to the northwest to facilitate grading for the golf learning facility. It is possible that the fill materials may be impacted, particularly with heavy metals or total petroleum hydrocarbons (TPH).

9. References

American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13)

California Department of Water Resources *Bulletin 118*, Update 2003 and Interim Update 2016

Environmental Data Resources, Inc. (EDR), *The EDR Radius Map™ Report with GeoCheck®*, December 23, 2019

EDR, *The EDR Aerial Photo Decade Package*, December 23, 2019

EDR, *EDR Certified Sanborn® Map Report*, December 23, 2019

EDR, *EDR Historical Topographic Map Report*, December 23, 2019

EDR, *The EDR-City Directory Image Report*, December 23, 2019

LFR Inc, *Final Remedial Investigation Report: Former Oil Operators North Site, 3701 Pacific Place, Long Beach, California*, May 27, 2009.

10. Signature of Environmental Professional

Roux performed this assessment in accordance with the generally accepted practices for environmental assessments at the time of implementation. Roux made a reasonable effort to ensure that the information presented in this report is materially complete and accurate.

Roux completed a Phase I ESA in general compliance with the scope and limitations of ASTM Practice E1527-13 of the one parcel with APN 7140-014-025, located in Long Beach, California.

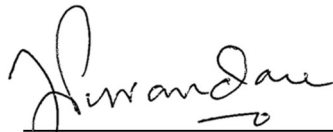
"We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental professional as defined in §312.10 of 40 CFR 312" and,

"We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

Roux performed this Phase I ESA by, or under direct supervision of, the undersigned environmental professionals.

Respectfully Submitted,

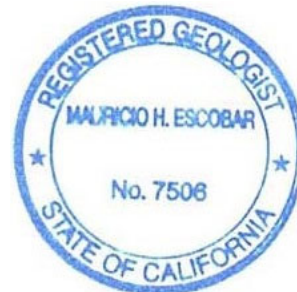
ROUX ASSOCIATES, INC.



Jaydeep Purandare, P.E.
Senior Engineer



Mauricio Escobar, P.G.
Principal Geologist



Phase I Environmental Site Assessment
Ambeco Road, Long Beach, California

FIGURES

1. Site Location Map
2. Site Plan



LEGEND

- PARCEL BOUNDARY
- SITE BOUNDARY
- RECOGNIZED ENVIRONMENTAL CONDITION
- OTHER ENVIRONMENTAL FEATURE
- FORMER OIL WELL
- PORTION 1 (PER LFR, 2009)
- PORTION 2 (PER LFR, 2009)
- PORTION 3 (PER LFR, 2009)

NOTE: APPROXIMATE PIPELINE LOCATION OBTAINED FROM NATIONAL PIPELINE MAPPING SYSTEM AND GEOPHYSICAL REPORT CONDUCTED BY SPECTRUM GEOPHYSICS, DATED DECEMBER 23, 2019

Title:

SITE AND VICINITY PLAN

AMBECO ROAD
LONG BEACH, CALIFORNIA 90806

Prepared for

INSITE PROPERTY GROUP

ROUX

Compiled by: CTR	Date: 20FEB2020
Prepared by: CTR	Scale: 1" = 100'
Project Mgr: JP	Project: 3370.0001L000
File: 039_3370.0001L_TOOKEY RECS OEFS.DWG	

FIGURE
2

- A. Glossary of Terms
- B. Historical Topographic Maps
- C. Historical Aerial Photographs
- D. Certified Sanborn Report
- E. EDR City Directory Image Report
- F. EDR Radius Map Report with Geocode®
- G. Photographic Log
- H. User Questionnaire
- I. Regulatory Records Documentation
- J. Pertinent Historical Documents

Glossary of Terms

GLOSSARY OF KEY TERMS

This appendix provides definitions, description of terms, and a list of acronyms for many of the words used in ASTM E 1527-13. These terms are an integral part of ASTM E 1527-13 and are critical to understanding ASTM E 1527-13 and its use.

DEFINITIONS:

Abandoned Property – *property* that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current *owner* to surrender rights to the *property*.

Activity and Use Limitations – Legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to *hazardous substances* or *petroleum products* in the soil, soil vapor, groundwater, and/or surface water on the *property*, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or *engineering controls*, are intended to prevent adverse impacts to individuals or populations that may be exposed to *hazardous substances* and *petroleum products* in the soil, soil vapor, groundwater, and/or surface water on the *property*.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) – The list of sites compiled by EPA that EPA has investigated, or is currently investigating, for potential hazardous substance contamination for possible inclusion on the National Priorities List.

Construction debris – Concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

Contaminated public wells – Public wells used for drinking water that have been designated by a government entity as contaminated by toxic substances (for example, chlorinated solvents), or as having water unsafe to drink without treatment.

Contiguous Property Owner Liability Protection – a person may qualify for the *contiguous property owner liability protection* if, among other requirements, such person owns real *property* that is contiguous to, and that is or may be contaminated by *hazardous substances* from other real *property* that is not owned by that person. Furthermore, such person conducted *all appropriate inquiries* at the time of acquisition of the *property* and did not know or have reason to know that the *property* was or could be contaminated by a *release* or threatened *release* from the contiguous *property*. The *all appropriate inquiries* must not result in knowledge of contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the *contiguous property owner liability protection*.

Controlled Recognized Environmental Condition – a *recognized environmental condition* resulting from a past *release* of *hazardous substances* or *petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, *property* use restrictions, *activity and use limitations*, *institutional controls*, or *engineering controls*).

CORRACTS list – a list maintained by EPA of *hazardous waste* treatment, storage, or disposal facilities and other RCRA-regulated facilities (due to past interim status or storage of *hazardous waste* beyond 90 days)

that have been notified by the U.S. Environmental Protection Agency to undertake corrective action under RCRA. The *CORRACTS list* is a subset of the EPA database that manages RCRA data.

Demolition debris – Concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

Drum – A container (typically, but not necessarily, holding 55 gal (208 L) of liquid) that may be used to store *hazardous substances* or *petroleum products*.

Dry wells – Underground areas where soil have been removed and replaced with pea gravel, coarse sand, or large rocks. Dry wells are used for drainage, to control storm runoff, for the collection of spilled liquids (intentional and non-intentional), and wastewater disposal (often illegal).

Dwelling – Structure of portion thereof used for residential habitation.

Engineering controls – Physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to contaminants in the soil or groundwater on the property.

Environmental lien – A charge, security, or encumbrance upon title to a *property* to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of *hazardous substances* or *petroleum products* upon a *property*, including (but not limited to) liens imposed pursuant to CERCLA 42 USC § 9607(1) and similar state or local laws.

ERNS list – EPA's emergency response notification system list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR parts 302 and 355.

Federal Register (FR) – Publication of the United States government published daily (except for federal holidays and weekends) containing all proposed and final regulations and some other activities of the federal government. When regulations become final, they are included in the Code of Federal Regulations (CFR), as well as published in the Federal Register.

Fire insurance maps – Maps produced for private fire insurance map companies that indicate uses of properties at specified dates and that encompass the property. These maps are often available in local libraries, historical societies, private resellers, or from the map companies who produced them. See Question 23 of the transaction screen process in Practice E 1528 and 7.3.4.2 of this practice.

Hazardous substance – A substance defined as hazardous pursuant to CERCLA 42 USC § 9601(14), as interpreted by EPA regulations and the courts: “(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Soil Waste Disposal Act (42 USC § 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC § 6901 *et seq.*) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 USC § 7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof, which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A)

through (F) of this paragraph; the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Hazardous waste – Any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (42 USC § 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC § 6901 *et seq.*) has been suspended by Act of Congress). The Solid Waste Disposal Act of 1980 amended RCRA. RCRA defines hazardous waste, in 42 USC § 6903, as: “a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may – (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”

Institutional control – A legal or administrative restriction (e.g., deed restriction, restrictive zoning) on the use of, or access to, a site or facility to reduce or eliminate potential exposure to contaminants in the soil or groundwater on the property.

Landfill – A place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term *solid waste disposal site* and is also known as a garbage dump, trash dump, or similar term.

Local street directories – Directories published by private (or sometimes government) sources that show ownership, occupancy, and/or use of sites by reference to street addresses. Often, local street directories are available at libraries of local governments, colleges or universities, or historical societies.

Material safety data sheet (MSDS) – Written or printed material concerning a hazardous substance which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA’s Hazard Communication Standard, 29, CFR 1910.1200.

National Contingency Plan (NCP) – The National Oil and Hazardous Substances Pollution Contingency Plan, found at 40 CFR § 300, that is the EPA’s blueprint on how hazardous substances are to be cleaned up pursuant to CERCLA.

National Priorities List (NPL) – List compiled by the EPA, pursuant to CERCLA 42 USC § 9605(a)(8)(B), of properties with the highest priority for cleanup pursuant to EPA’s Hazard Ranking System. See 40 CFR Part 300.

Occupants – Those tenants, subtenants, or other persons or entities using the *property* or a portion of the *property*.

Owner – Generally the fee owner of record for the *property*.

Petroleum exclusion – The exclusion from CERCLA liability provided in 42 USC § 9601(14), as interpreted by the courts and EPA: “The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Petroleum products – Those substances included within the meaning of the *petroleum exclusion* to CERCLA, 42 USC § 9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 USC § 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to *Standard Definitions of Petroleum Statistics*¹.)

Phase I Environmental Site Assessment – The process described in this practice.

Pits, ponds, or lagoons – Man-made or natural depressions in the ground surface that are likely to hold liquids or sludge containing *hazardous substances* or *petroleum products*. The likelihood of such liquids or sludge being present is determined by evidence of factors associated with the pit, pond, or lagoon, including, but not limited to, discolored water, distressed vegetation, or the presence of an obvious wastewater discharge.

Property – The real property that is the subject of the *environmental site assessment* described in this practice. Real property includes buildings and other fixtures and improvement located on the property and affixed to the land.

Property tax files – The files kept for property tax purposes by the local jurisdiction where the property is located and includes records of past ownership, appraisals, maps, sketches, photos, or other information that is reasonable ascertainable and pertaining to the property.

RCRA generators – Those persons or entities that generate hazardous waste, as defined and regulated by RCRA.

RCRA generators list – List kept by the EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA.

RCRA TSD facilities – Those facilities at which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA.

RCRA TSD facilities list – List kept by the EPA of those facilities at which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA.

Recorded land title records – Records of fee ownership, leases, land contracts, easements, liens, and other encumbrances on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the *property* is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directly from the local government agency. Information about the title to the property that is recorded in a U.S. district court or any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of recorded land title records.

Records of emergency release notifications (SARA § 304) – Section 304 of EPCRA or Title III of SARA requires operators of facilities to notify their local emergency planning committee (as defined in EPCRA) and the state emergency response commission (as defined in EPCRA) of any release beyond the facility's boundary of any reportable quantity of any extremely hazardous substance. Often the local fire department is the local emergency planning committee. Records of such notifications are "Records of Emergency Release Notifications" (SARA§ 304).

Report – The written record of a transaction screen process as required by Practice E 1528 or the written report prepared by the environmental professional and constituting part of a “Phase I Environmental Site Assessment,” as required by this practice.

Solid waste disposal site – A place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term *landfill* and is also known as a garbage dump, trash dump, or similar term.

Solvent – A chemical compound that is capable of dissolving another substance and may itself be a *hazardous substance*, used in a number of manufacturing/industrial processes including, but not limited to, the manufacture of paints and coatings for industrial and household purposes, equipment clean-up, and surface degreasing in metal fabricating industries.

State registered USTs – State lists of underground storage tanks required to be registered under Subtitle I, Section 9002 of RCRA.

Sump – A pit, cistern, cesspool, or similar receptacle where liquids drain, collect, or are stored.

TSD facility – Treatment, storage, or disposal facility (*see RCRA TSD facilities*).

Underground storage tank (UST) - Any tank, including underground piping connected to the tank, that is or has been used to contain *hazardous substances* or *petroleum products* and the volume of which is 10% or more beneath the surface of the ground.

USGS 7.5 Minute Topographic Map – The map (if any) available from or produced by the United States Geological Survey, entitled “USGS 7.5 Minute Topographic Map,” and showing the property.

Wastewater – Water that (1) is or has been used in an industrial or manufacturing process, (2) conveys or has conveyed sewage, or (3) is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant. Wastewater does not include water originating on or passing through or adjacent to a site, such as storm water flows, that has not been used in industrial or manufacturing processes, has not been combined with sewage, or is not directly related to manufacturing, processing, or raw materials storage areas at an industrial plant.

Zoning/land use records – Those records of the local government in which the *property* is located, indicating the uses permitted by the local government in particular zones within its jurisdiction. The records may consist of maps and/or written records. They are often located in the planning department of a municipality or county.

DEFINITIONS SPECIFIC TO ASTM E 1527-13:

Actual knowledge – The knowledge actually possessed by an individual who is a real person, rather than an entity. Actual knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

Adjoining properties – Any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

Aerial photographs – Photographs taken from an airplane or helicopter (from a low enough altitude to allow identification of development and activities) of areas encompassing the property. Aerial photographs are often available from government agencies or private collections unique to a local area.

Appropriate inquiry – That inquiry constituting “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined in CERCLA, 42 USC § 9601(35)(B), that will give a party to a *commercial real estate* transaction the *innocent landowner defense* to the CERCLA liability (42 USC § 9601(A) and (B) and § 9607(b)(3)), assuming compliance with other elements of the defense. See Appendix X1.

Approximate minimum search distance – The area for which records must be obtained and reviewed pursuant to Section 7 subject to the limitations provided in that section. This may include areas outside the *property* and shall be measured from the nearest *property* boundary. This term is used in lieu of radius to include irregularly-shaped properties.

Building department records – Those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property. Often, building department records are located in the building department of a municipality or county.

Business environmental risk – A risk which can have a material environmental or environmentally-driven financial impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of *business environmental risk* issues may necessitate that an *environmental professional* address one or more non-scope considerations, some of which are identified in Section 12.

Commercial real estate – Any real property except a dwelling or property with no more than four dwelling units exclusively for residential use (except that a dwelling or property with no more than four dwelling units exclusively for residential use is included in this term when it has a commercial function, as in the building of such dwellings for profit). This term includes, but is not limited to, undeveloped real property and real property used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes; property used for residential purposes that has more than four residential dwelling units; and any property with no more than four dwelling units for residential use when it has a commercial function, as in the building of such dwellings for profit.

Commercial real estate transaction – A transfer of title to or possession of real property or receipt of a security interest in real property, except that it does not include transfer of title to or possession of real property or the receipt of a security interest in real property with respect to an individual dwelling or building containing fewer than five dwelling units, nor does it include the purchase of a lot or lots to construct a dwelling for occupancy by a purchaser, but a commercial real estate transaction does include real property purchased or leased by persons or entities in the business of building or developing dwelling units.

Controlled Recognized Environmental Condition – a *recognized environmental condition* resulting from a past *release of hazardous substances or petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, *property use restrictions, activity and use limitations, institutional controls, or engineering controls*).

Due diligence – The process of inquiring into the environmental characteristics of a parcel of *commercial real estate* or other conditions, usually in connection with a commercial real estate transaction. The degree and kind of due diligence vary for different properties and differing purposes.

Environmental audit – The investigative process to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations. This term should not be used to describe Practice E 1528 or this practice, although an environmental audit may include an *environmental site assessment* or, if prior audits are available, may be part of an environmental site assessment.

Environmental professional – A person possessing sufficient training and experience necessary to conduct a *site reconnaissance*, *interviews*, and other activities in accordance with this practice, and from the information generated by such activities, having the ability to develop opinions and conclusions regarding *recognized environmental conditions* in connection with the *property* in question. An individual's status as an environmental professional may be limited to the type of assessment to be performed or to specific segments of the assessment for which the professional is responsible. The person may be an independent contractor or an employee of the *user*.

Environmental site assessment (ESA) – The process by which a person or entity seeks to determine if a particular parcel of real *property* (including improvements) is subject to *recognized environmental conditions*. At the option of the *user*, an environmental site assessment may include more inquiry than that constituting *appropriate inquiry* or, if the user is not concerned about qualifying for the *innocent landowner defense*, less inquiry than that constituting *appropriate inquiry*. An environmental site assessment is both different from and less rigorous than an *environmental audit*.

Fill dirt – Dirt, soil, sand, or other earth, obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

Hazardous waste/contaminated sites – Sites on which a release has occurred, or is suspected to have occurred, of any *hazardous substance*, *hazardous waste*, or *petroleum products*, and that release or suspected release has been reported to a government entity.

Historical Recognized Environmental Condition – a past *release* of any *hazardous substances* or *petroleum products* that has occurred in connection with the *property* and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the *property* to any required controls (for example, *property* use restrictions, *activity and use limitations*, *institutional controls*, or *engineering controls*). Before calling the past *release* a *historical recognized environmental condition*, the *environmental professional* must determine whether the past *release* is a *recognized environmental condition* at the time the *Phase I Environmental Site Assessment* is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past *release* to be a *recognized environmental condition* at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a *recognized environmental condition*.

Innocent landowner defense – That defense to CERCLA liability provided in 42 USC § 9601(35) and § 9607(b)(3). One of the requirements to qualify for this defense is that the party make “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice.” There are additional requirements to qualify for this defense.

Interviews – Those portions of this practice that are contained in Section 9 and 10 thereof and address questions to be asked of *owners* and *occupants* of the *property* and questions to be asked of local government officials.

Key site manager – The person identified by the *owner* of a *property* as having good knowledge of the uses and physical characteristics of the property.

Local government agencies – Those agencies of municipal or county government having jurisdiction over the *property*. Municipal and county government agencies include, but are not limited to, cities, parishes, townships, and similar entities.

LUST sites – State lists of leaking underground storage tank sites. Section 9003 (h) of Subtitle I of RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require owners and operators to do so.

Major occupants – Those tenants, subtenants, or other persons or entities each of which uses at least 40% of the leasable area of the *property* or any anchor tenant when the *property* is a shopping center.

Material threat – A physically observable or obvious threat which is reasonable likely to lead to a release that, in the opinion of the *environmental professional*, is threatening and might result in impact to human health and the environment. An example might include an aboveground storage tank that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Obvious – That which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while *visually* or *physically observing the property*.

Other historical sources – Any source or sources other than those designated in 7.3.4.1-7.3.4.8 that are credible to a reasonable person and that identify past uses of the property. The term includes, but is not limited to, miscellaneous maps, newspaper archives, and records in the files and/or personal knowledge of the *property owner* and/or *occupants*.

Physical setting sources – sources that provide information about the geologic, hydrogeologic, hydrologic, or topographic characteristics of a *property*.

Practically reviewable – Information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the *property* without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the user can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the *property* or a geographic area in which the *property* is located are not generally *practically reviewable*. Most databases of public records are *practically reviewable* if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous facility records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not *practically reviewable* unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be

identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be *practically reviewable*. In other words, then so much data is generated that it cannot be feasibly reviewed for its impact on the *property*, it is not *practically reviewable*.

Preparer – The person preparing the *transaction screen questionnaire* pursuant to Practice E 1528, who may be either the user or the person to whom the user has delegated the preparation of the *transaction screen questionnaire*.

Publicly available – Information that is publicly available means that the source of the information allows access to the information by anyone upon request.

Reasonably ascertainable – For purposes of both this practice and Practice E 1528, information that is (1) *publicly available*, (2) obtainable from its source within reasonable time and cost constraints, and (3) *practically reviewable*.

Recognized Environmental Conditions – the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: (1) due to release to the environment; (2) under conditions indicative of a *release* to the *environment*; or (3) under conditions that pose a *material threat* of a future *release* to the *environment*. *De minimis conditions* are not *recognized environmental conditions*.

Records review – That part that is contained in Section 7 of this practice addresses which records shall or may be reviewed.

Site reconnaissance – That part that is contained in Section 8 of this practice and addresses what should be done in connection with the *site visit*. The site reconnaissance includes, but is not limited to, the *site visit* done in connection with such a Phase I Environmental Site Assessment.

Site visit – The visit to the property during which observations are made constituting the *site reconnaissance* section of this practice and the *site visit* requirement of Practice E 1528.

Standard environmental record sources – Those records specified in 7.2.1.1.

Standard historical sources – Those sources of information about the history of uses of the property specified in 7.3.4.

Standard physical setting source – A current USGS 7.5-minute topographic map (if any) showing the area on which the property is located.

Standard practice(s) – The activities set forth in either and both this practice and Practice E 1528.

Standard sources – Sources of environmental, physical setting, or historical records specified in Section 7 of this practice.

Transaction screen process – The process described in Practice E 1528.

Transaction screen questionnaire – The questionnaire provided in Section 6 of Practice E 1528.

User – The party seeking to use Practice E 1528 to perform an *environmental site assessment* of the *property*. A user may include, without limitation, a purchaser of *property*, a potential tenant of *property*, an owner of *property*, a lender, or a property manager.

Visually and/or physically observed – During a *site visit* pursuant to Practice E 1528, or pursuant to this practice, this term means observations made by vision while walking through a *property* and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term “walking through” is not meant to imply that disabled persons who cannot physically walk may not conduct a *site visit*; they may do so by the means at their disposal for moving through the *property* and the structures located on it.

ACRONYMS:

CERCLA – Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 USC § 9601 *et seq.*)

CERCLIS – Comprehensive Environmental Response, Compensation and Liability Information System (maintained by EPA)

CFR – Code of Federal Regulations

CORRACTS – Facilities subject to corrective action under RCRA

EPA – United States Environmental Protection Agency

EPCRA – Emergency Planning and Community Right to Know Act (also known as SARA Title III), 42 USC § 11001 *et seq.*)

ERNS – Emergency response notification system

ESA – Environmental site assessment (different than an *environmental audit*)

FOIA – U.S. Freedom of Information Act (5 USC 552 *et seq.*)


FR – Federal Register

LUST – Leaking underground storage tank

MSDS – Material safety data sheet

NCP – National Contingency Plan

Historical Topographic Maps



APN 7140-014-025

Not Reported

Long Beach, CA 90806

Inquiry Number: 5914858.4

December 23, 2019

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

12/23/19

Site Name:

APN 7140-014-025
Not Reported
Long Beach, CA 90806
EDR Inquiry # 5914858.4

Client Name:

Roux Associates Inc
555 12th Street Suite 250
Oakland, CA 94607
Contact: Amanda Broffman



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Roux Associates Inc were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	33.82591 33° 49' 33" North
Project:	2036.0013L	Longitude:	-118.202012 -118° 12' 7" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	388767.74
		UTM Y Meters:	3743503.06
		Elevation:	39.27' above sea level

Maps Provided:

2012	1930
1981	1924, 1925
1972	1902
1964	1899
1949	1896
1947	
1943	
1942	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Long Beach
2012
7.5-minute, 24000

1981 Source Sheets



Long Beach
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



Long Beach
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



Long Beach
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

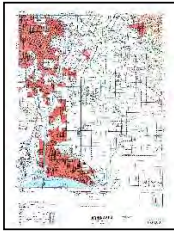
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1949 Source Sheets



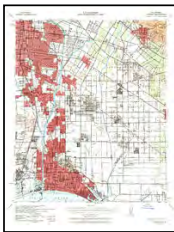
Long Beach
1949
7.5-minute, 24000

1947 Source Sheets



DOWNEY
1947
15-minute, 50000

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

1942 Source Sheets



Downey
1942
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1930 Source Sheets



Compton
1930
7.5-minute, 24000

1924, 1925 Source Sheets



Compton
1924
7.5-minute, 24000



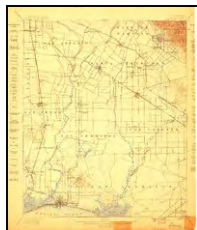
Clearwater
1925
7.5-minute, 24000

1902 Source Sheets



Downey
1902
15-minute, 62500

1899 Source Sheets



Downey
1899
15-minute, 62500

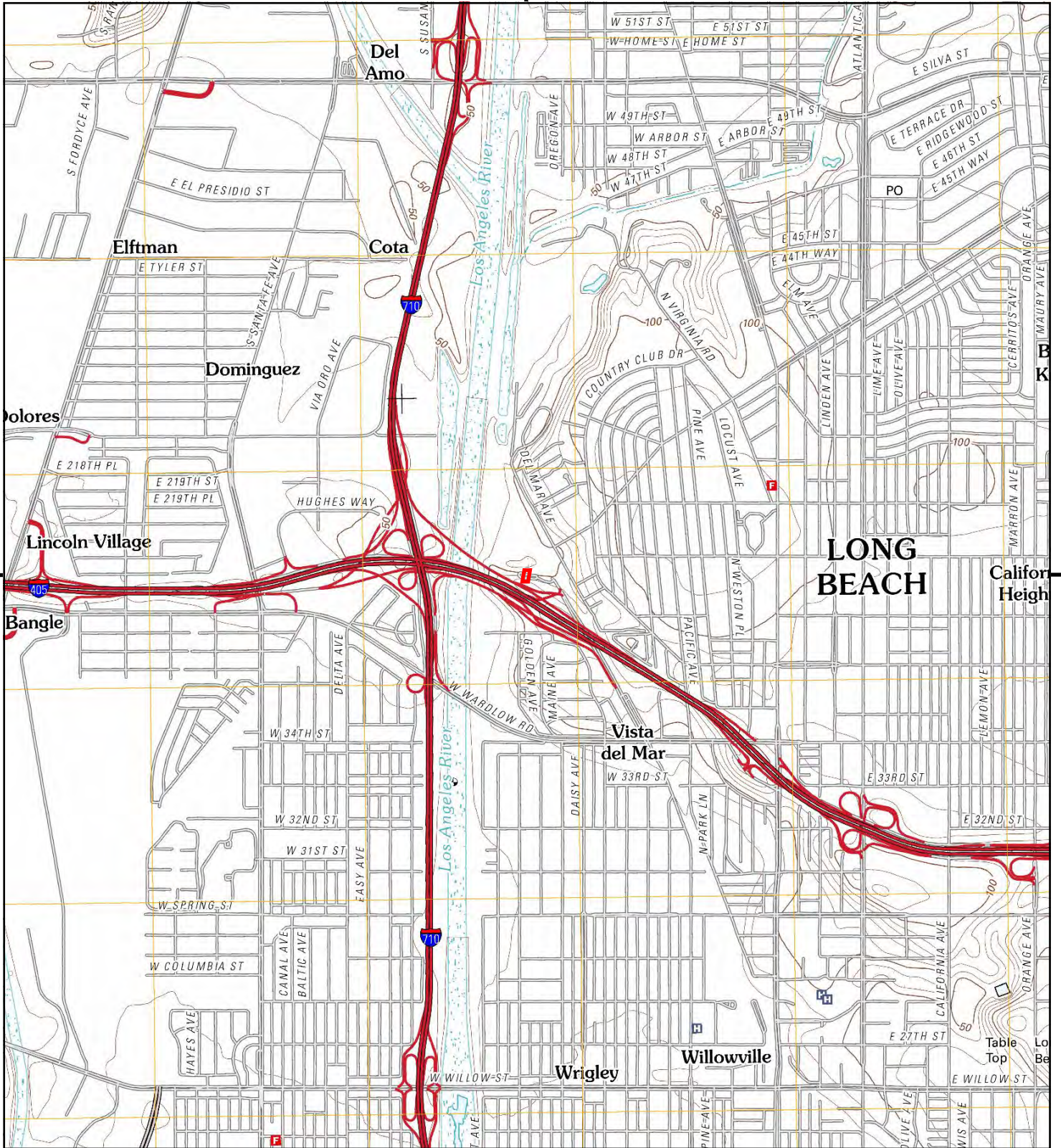
Topo Sheet Key

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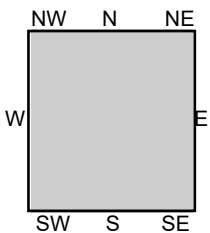
1896 Source Sheets



Downey
1896
15-minute, 62500



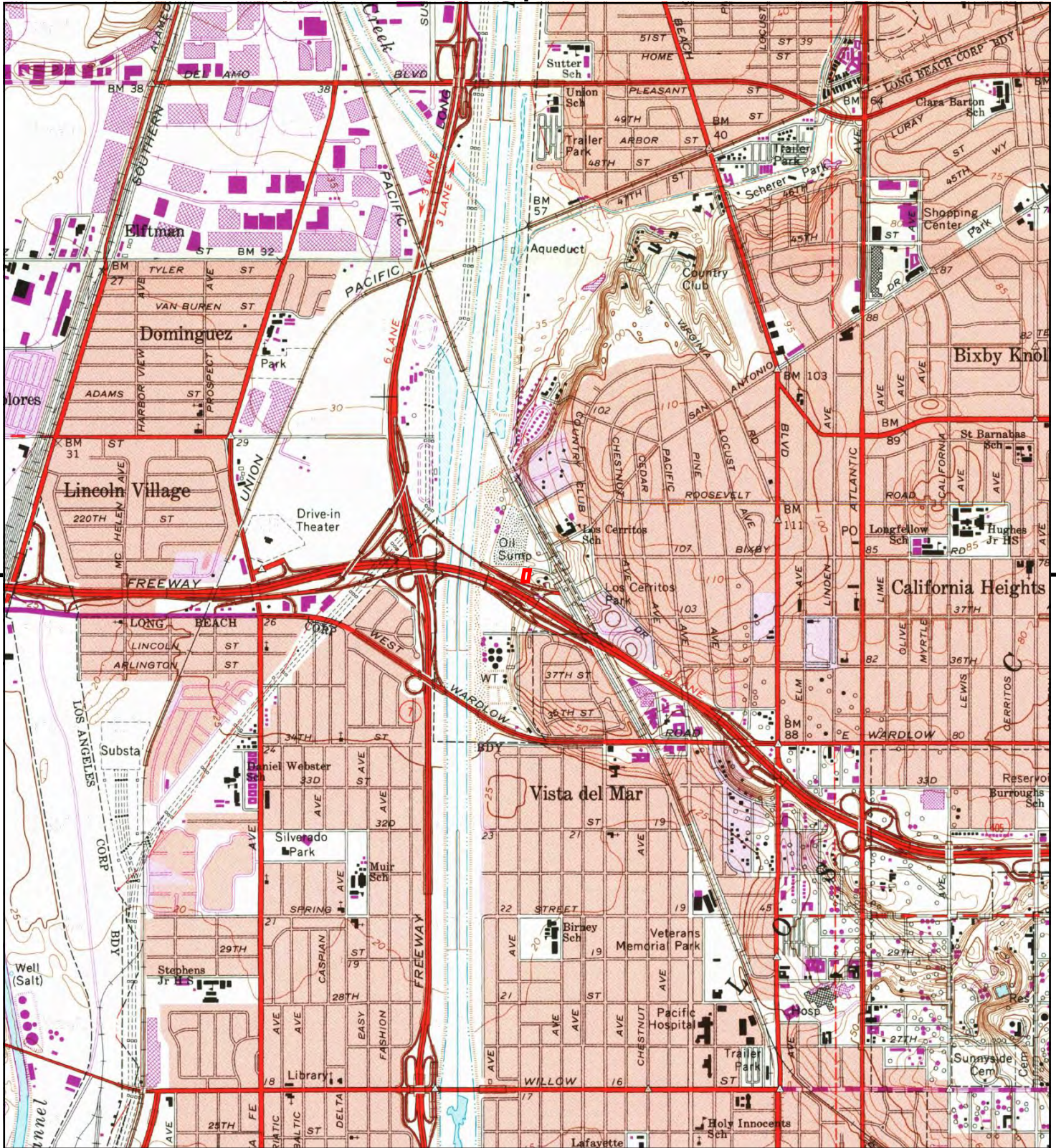
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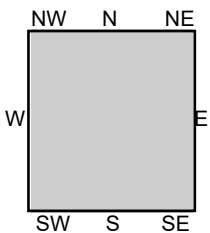
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SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc





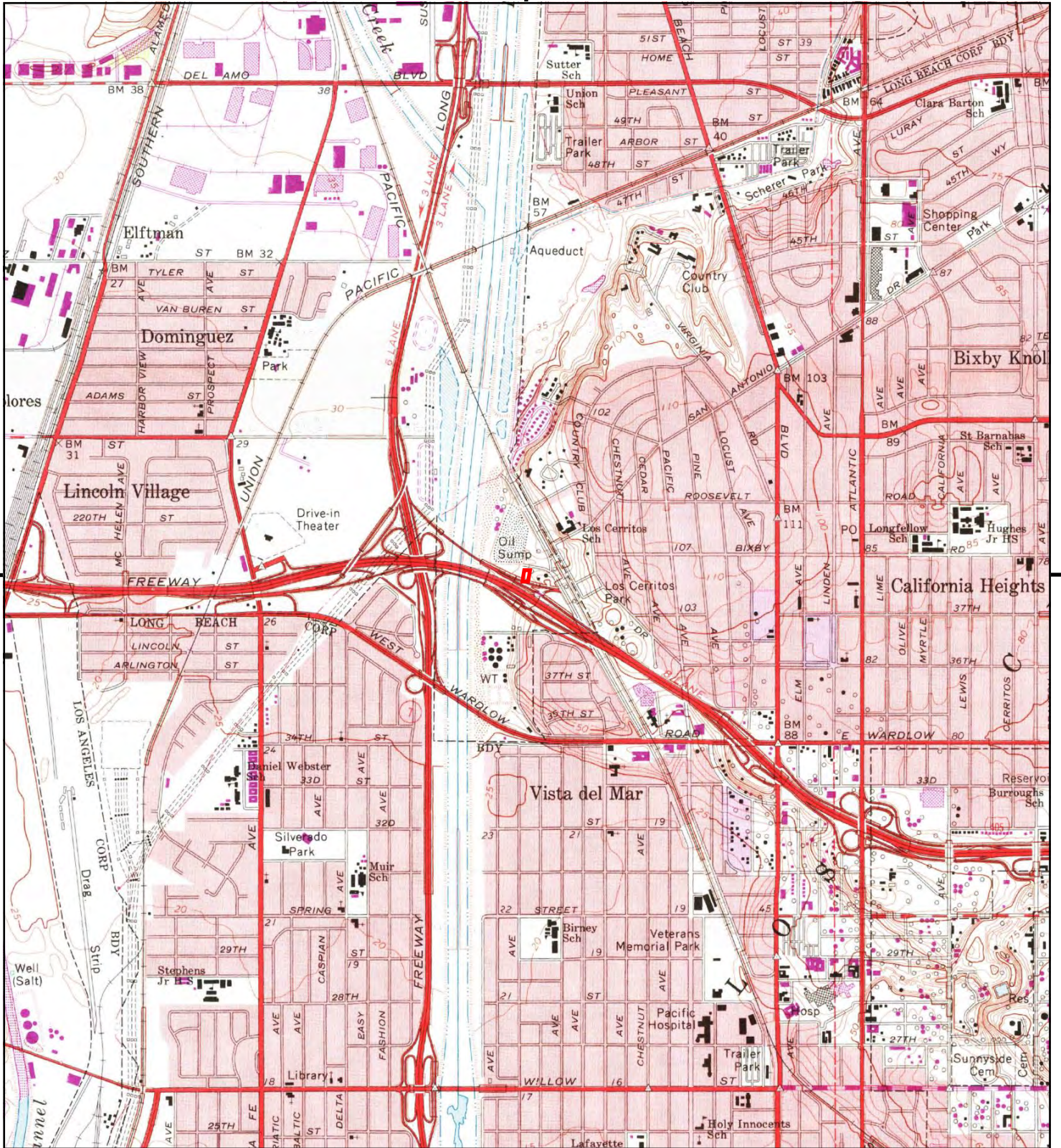
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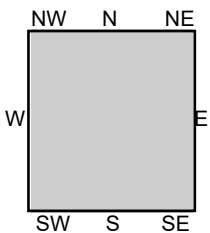
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SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc





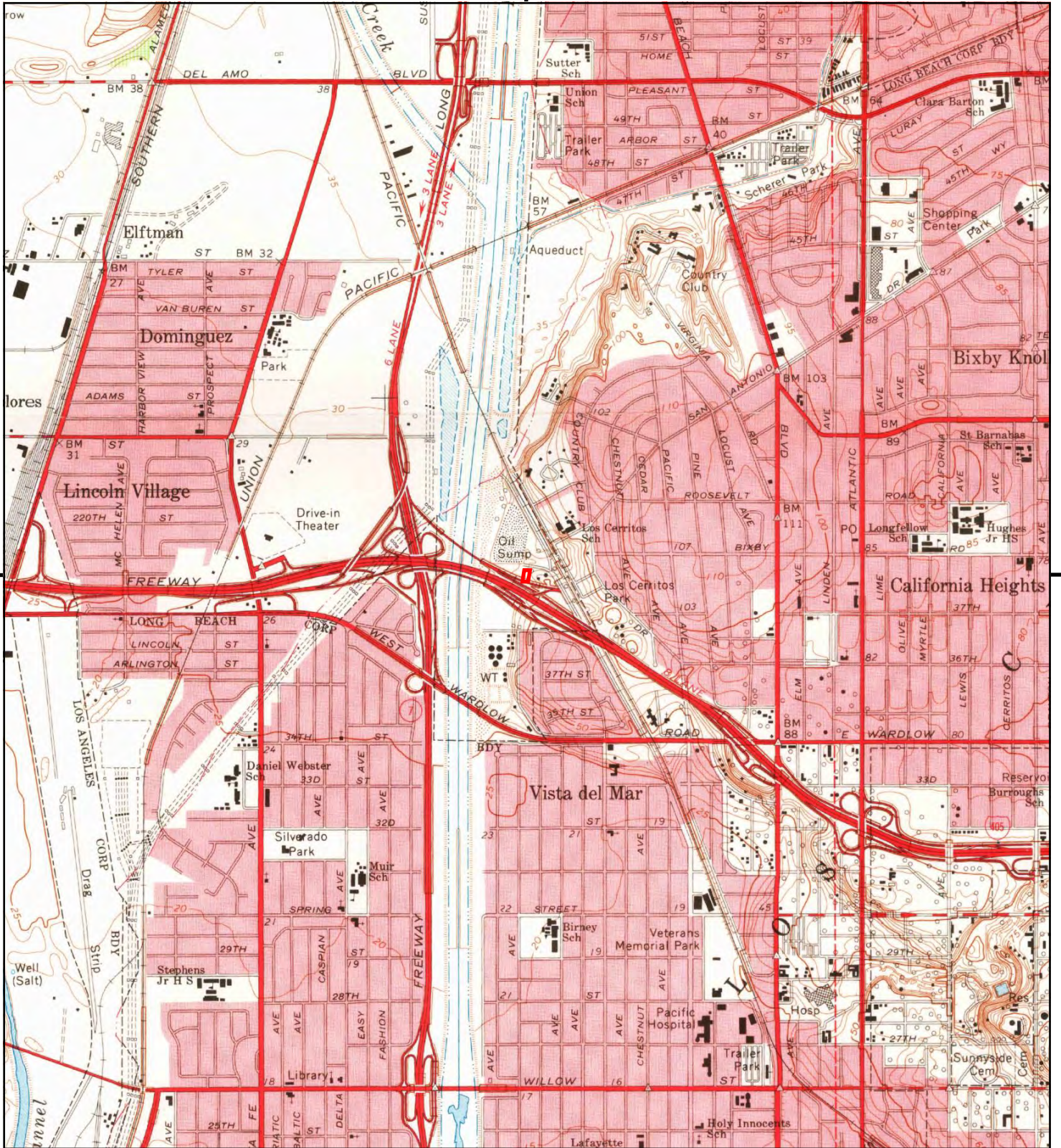
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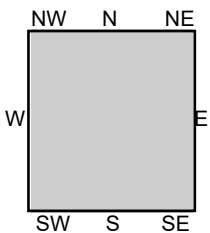
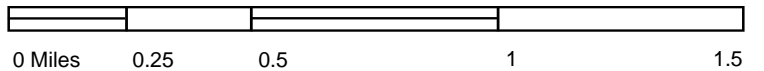
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SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc





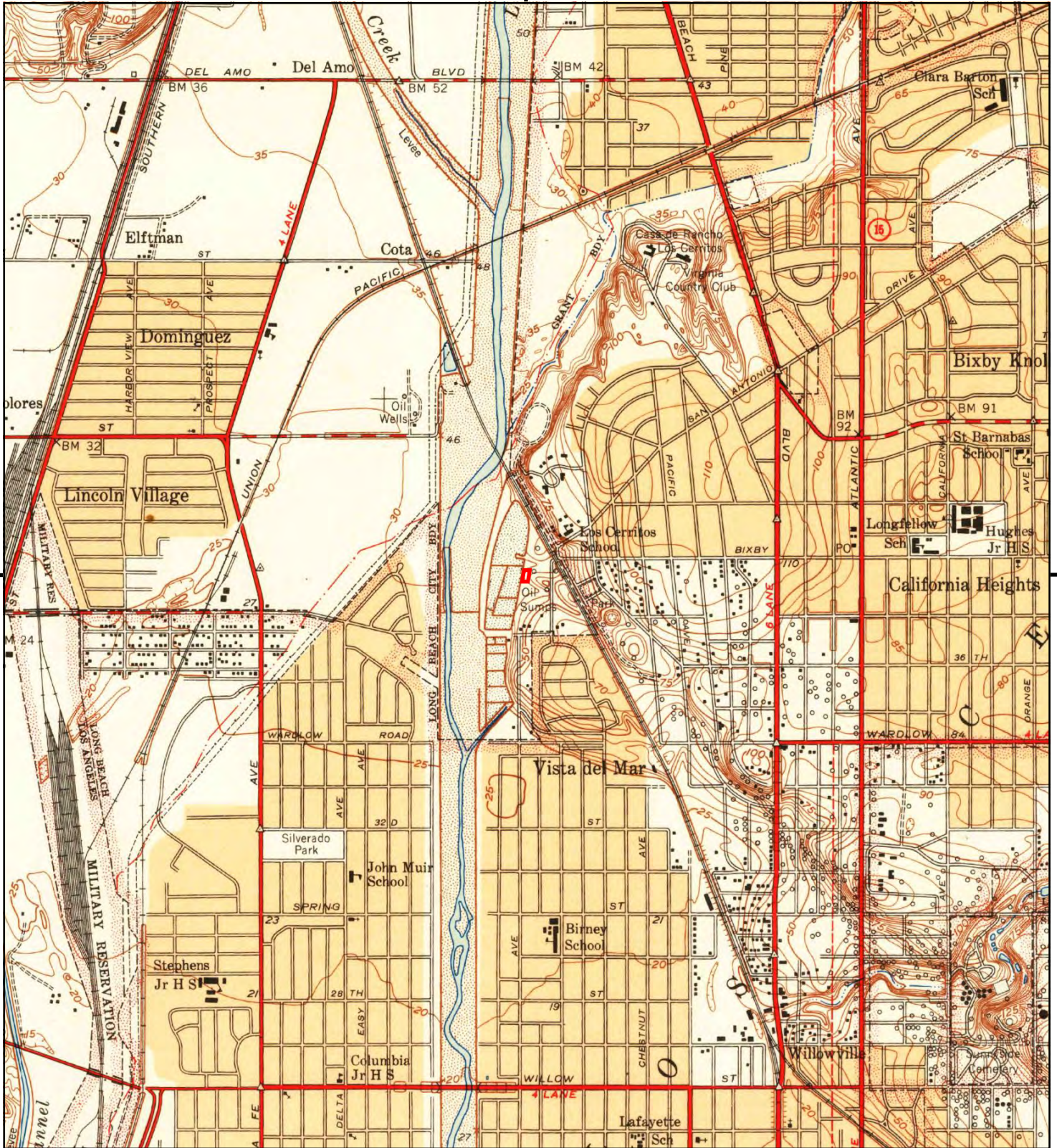
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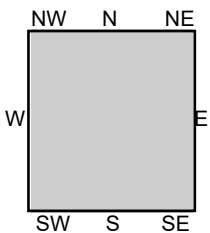
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SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc





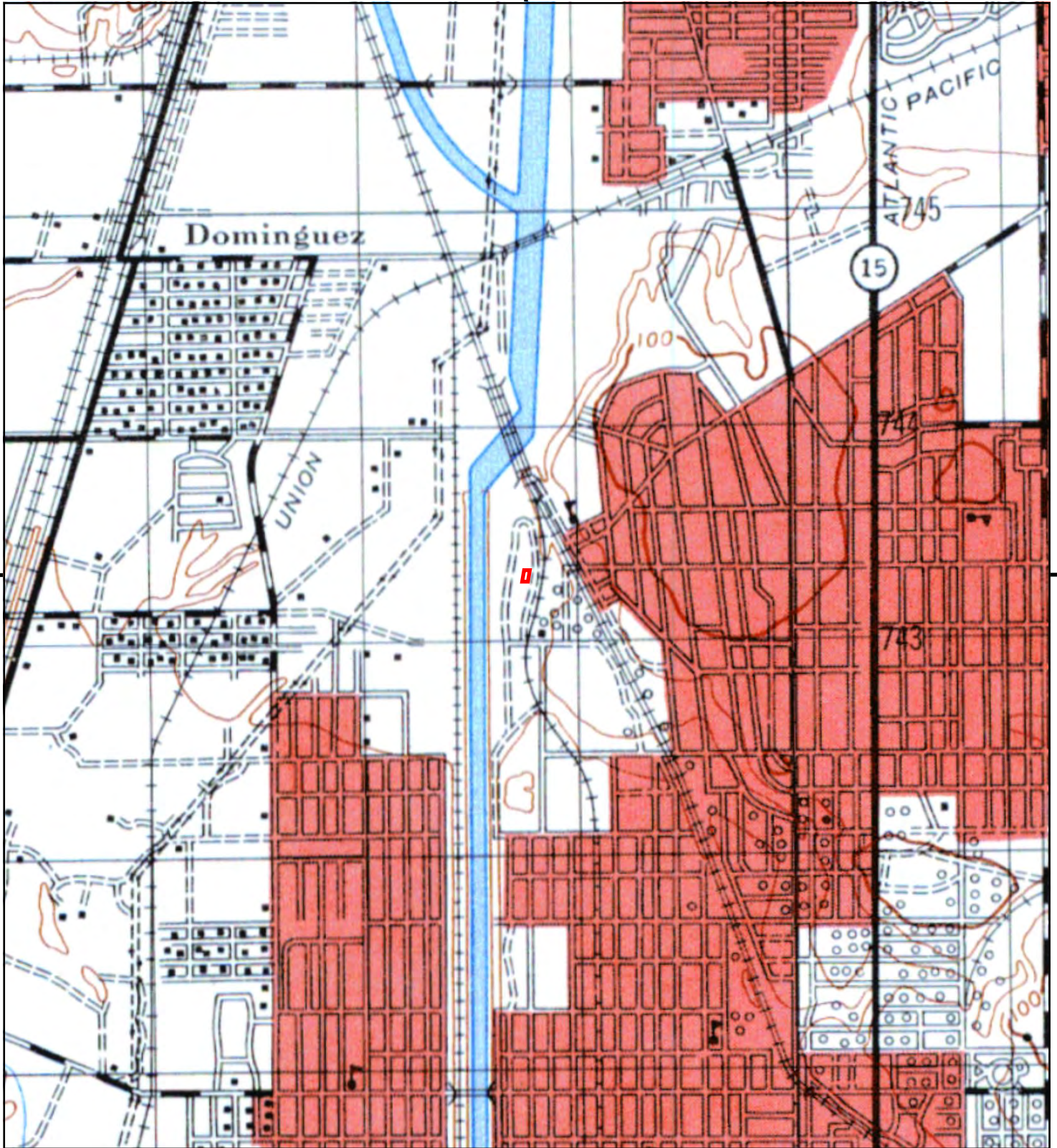
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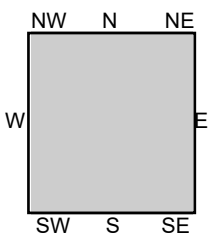
TP, Long Beach, 1949, 7.5-minute

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 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc





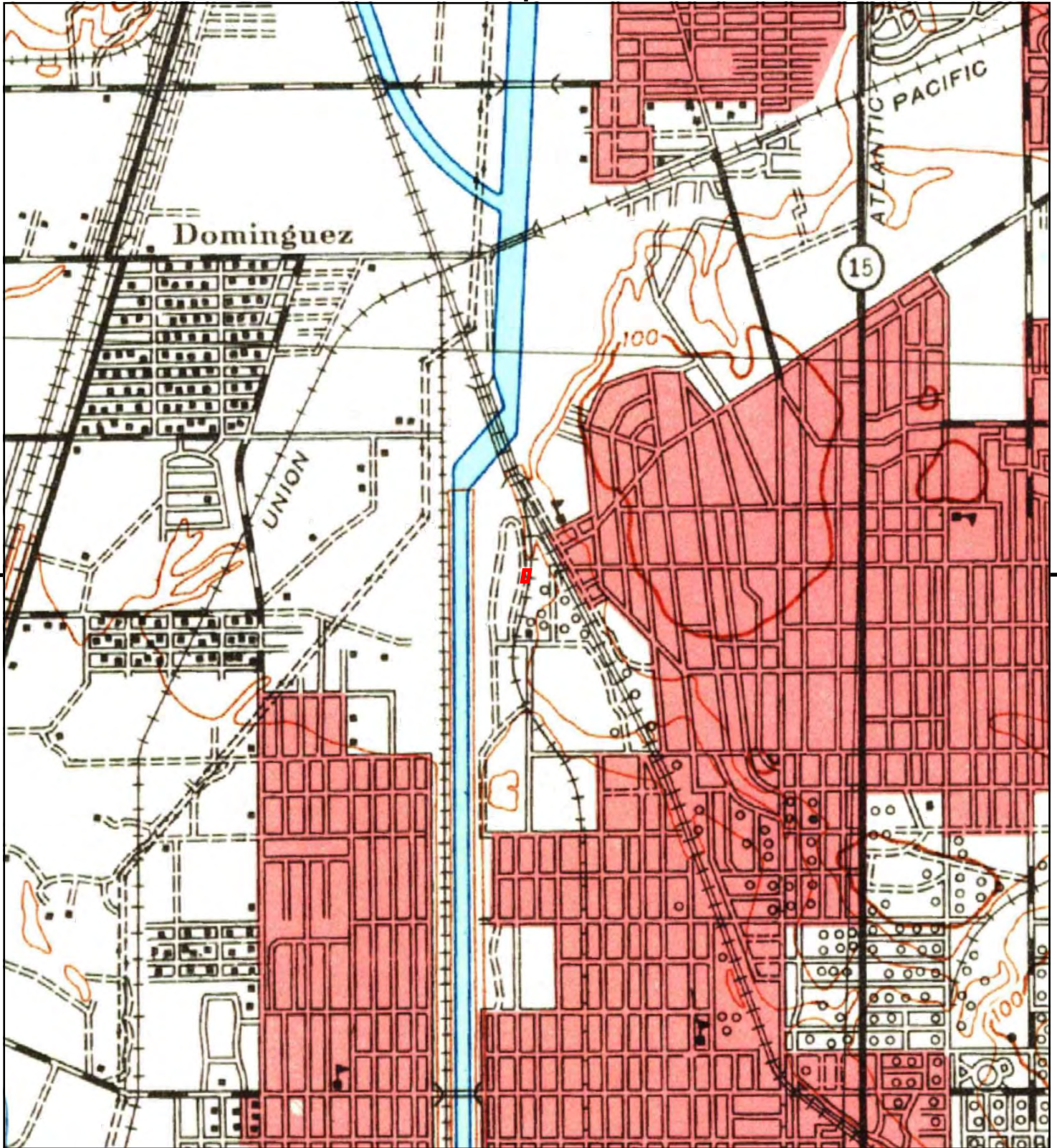
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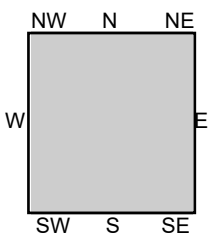
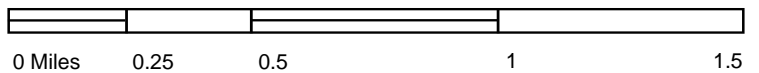
TP, DOWNEY, 1947, 15-minute

SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc





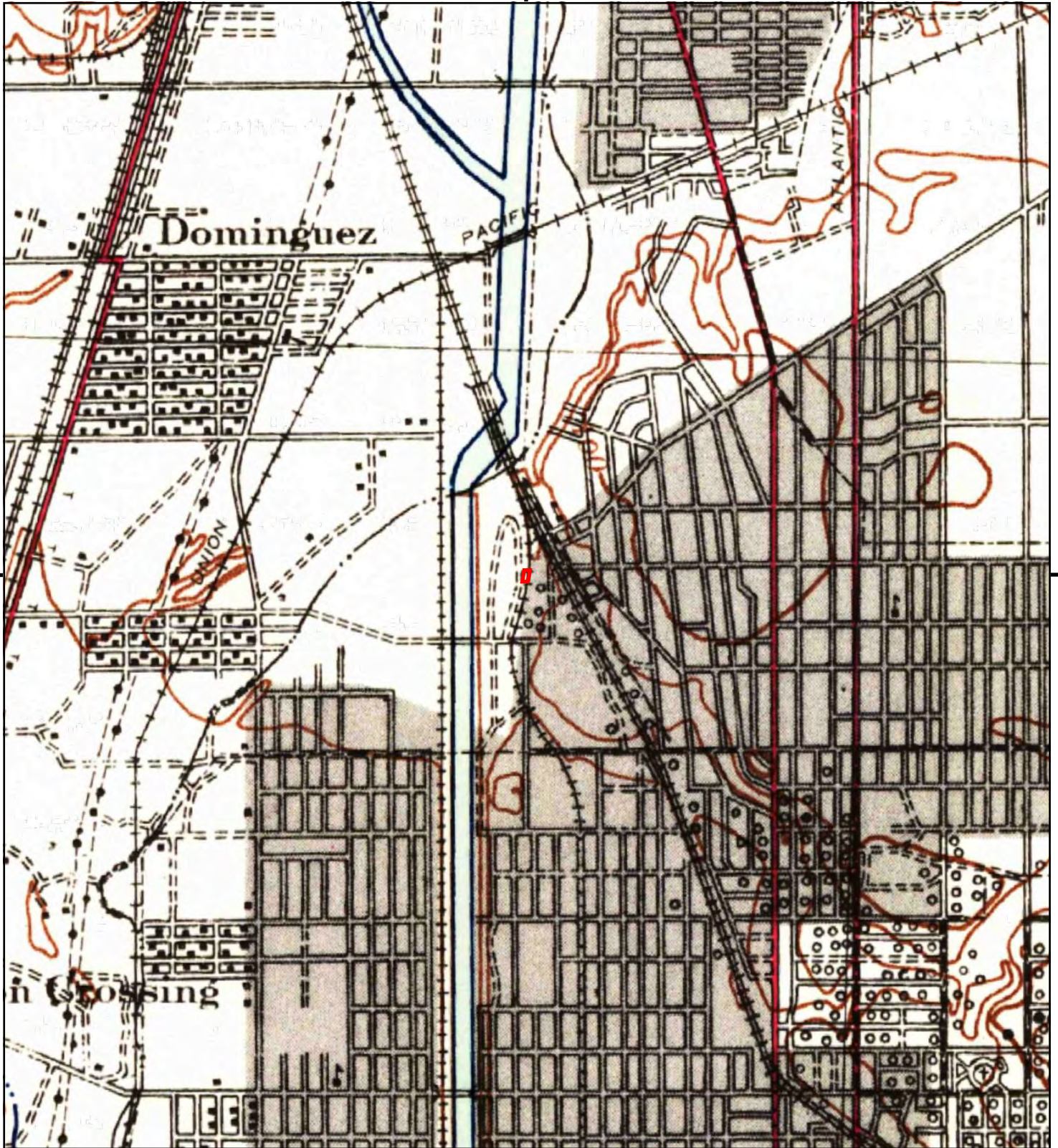
This report includes information from the following map sheet(s).



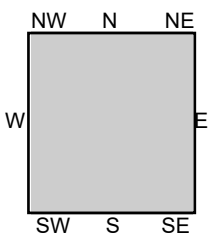
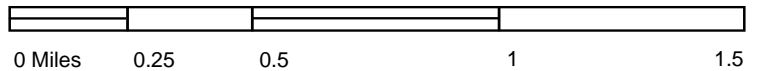
TP, Downey, 1943, 15-minute

SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc





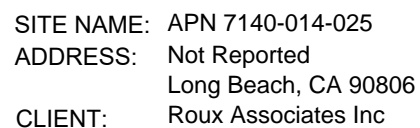
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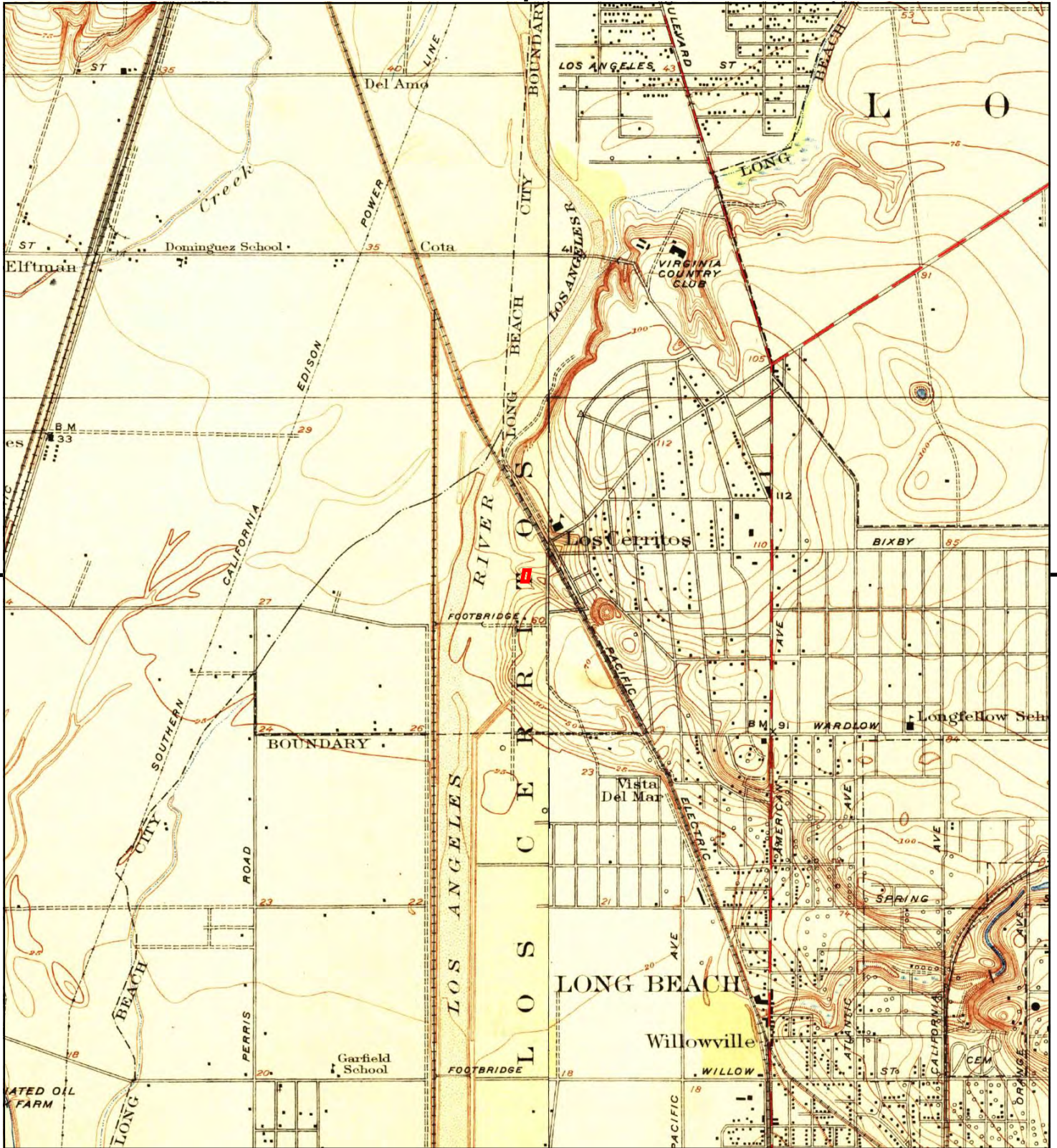


TP, Downey, 1942, 15-minute

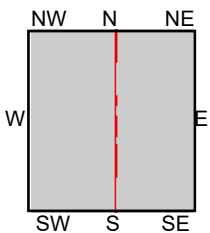
SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc







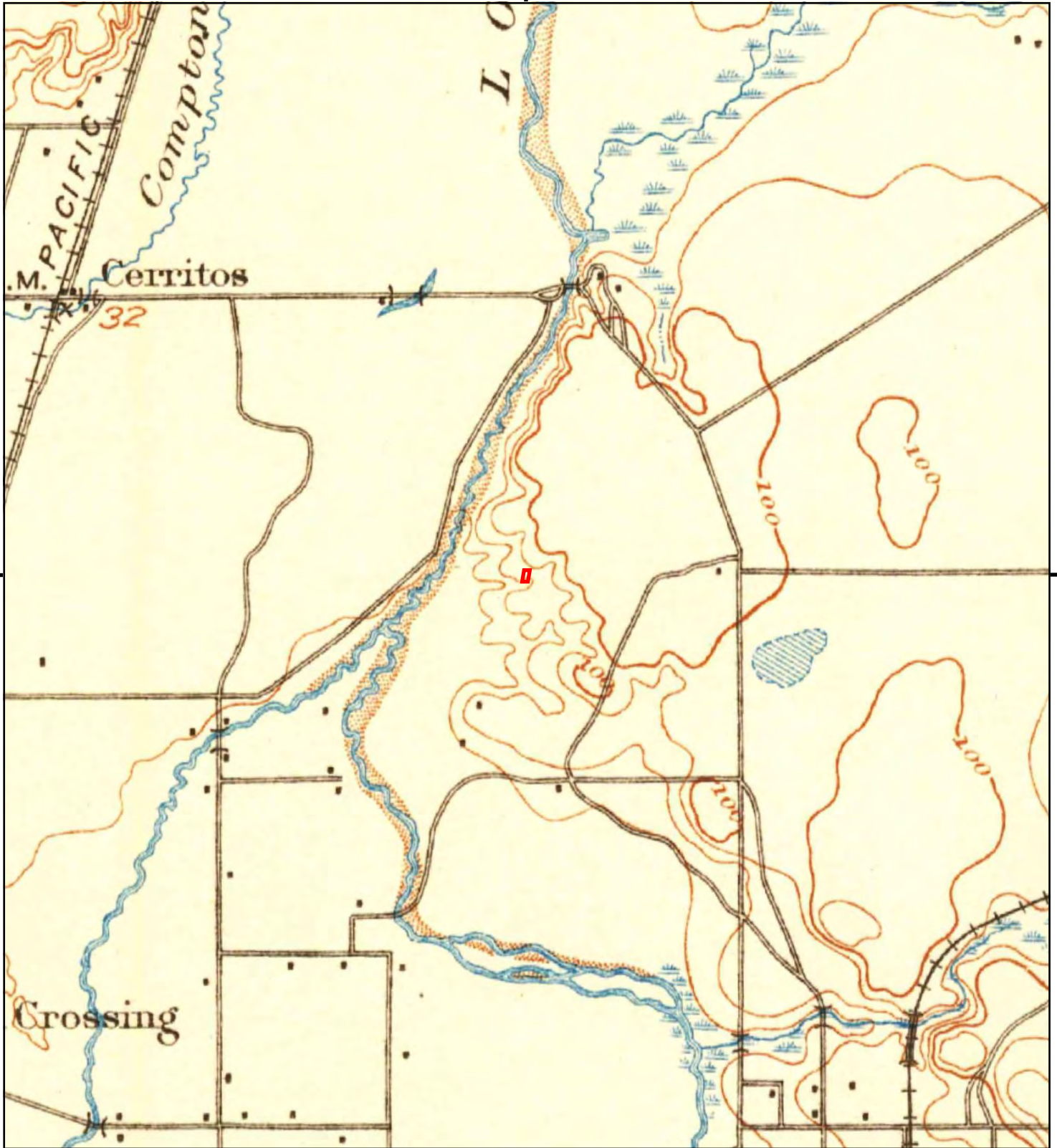
This report includes information from the following map sheet(s).



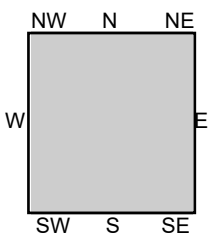
TP, Compton, 1924, 7.5-minute
NE, Clearwater, 1925, 7.5-minute

SITE NAME: APN 7140-014-025
ADDRESS: Not Reported
Long Beach, CA 90806
CLIENT: Roux Associates Inc





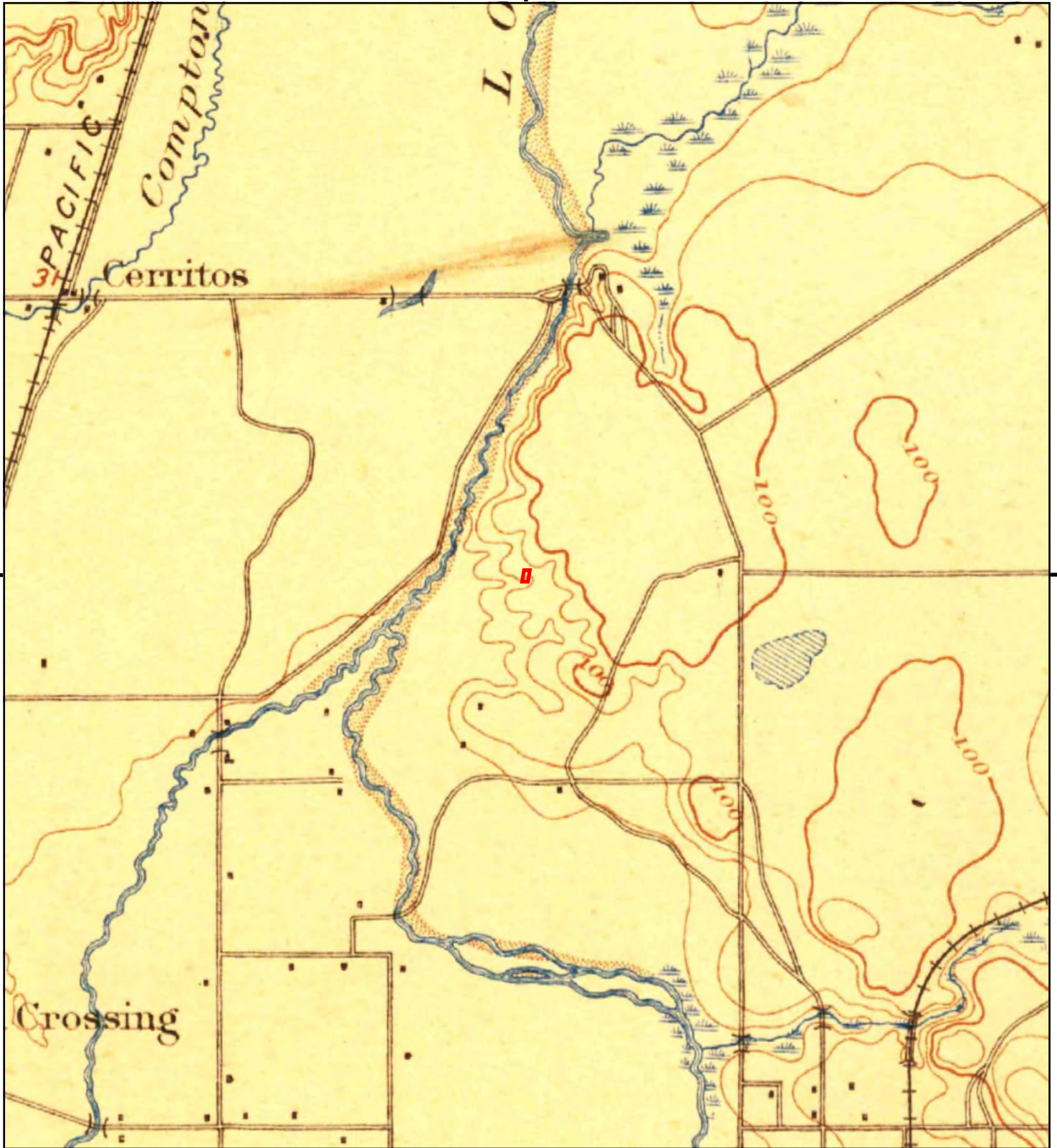
This report includes information from the following map sheet(s).



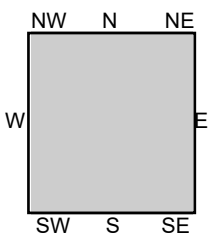
TP, Downey, 1902, 15-minute

SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc





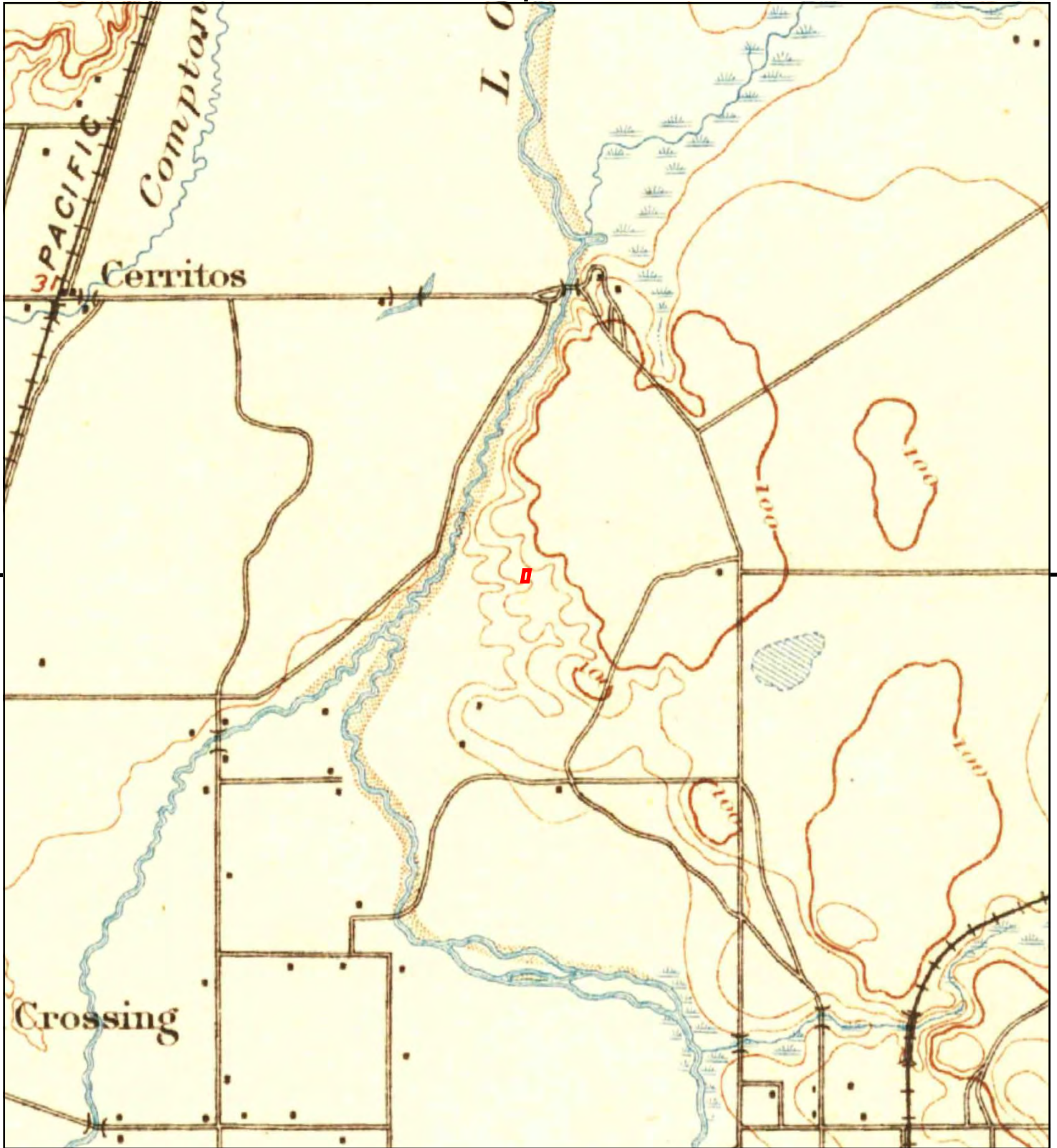
This report includes information from the following map sheet(s).



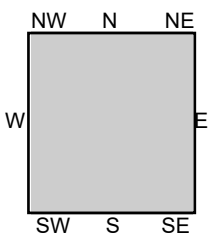
TP, Downey, 1899, 15-minute

SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc





This report includes information from the following map sheet(s).




TP, Downey, 1896, 15-minute

SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach, CA 90806
 CLIENT: Roux Associates Inc



Historical Aerial Photographs



APN 7140-014-025

Not Reported

Long Beach, CA 90806

Inquiry Number: 5914858.8

December 23, 2019

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/23/19

Site Name:

APN 7140-014-025
Not Reported
Long Beach, CA 90806
EDR Inquiry # 5914858.8

Client Name:

Roux Associates Inc
555 12th Street Suite 250
Oakland, CA 94607
Contact: Amanda Broffman



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: May 11, 1979	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1953	1"=500'	Flight Date: October 19, 1953	USDA
1947	1"=500'	Flight Date: June 17, 1947	FAIR
1928	1"=500'	Flight Date: January 01, 1928	FAIR

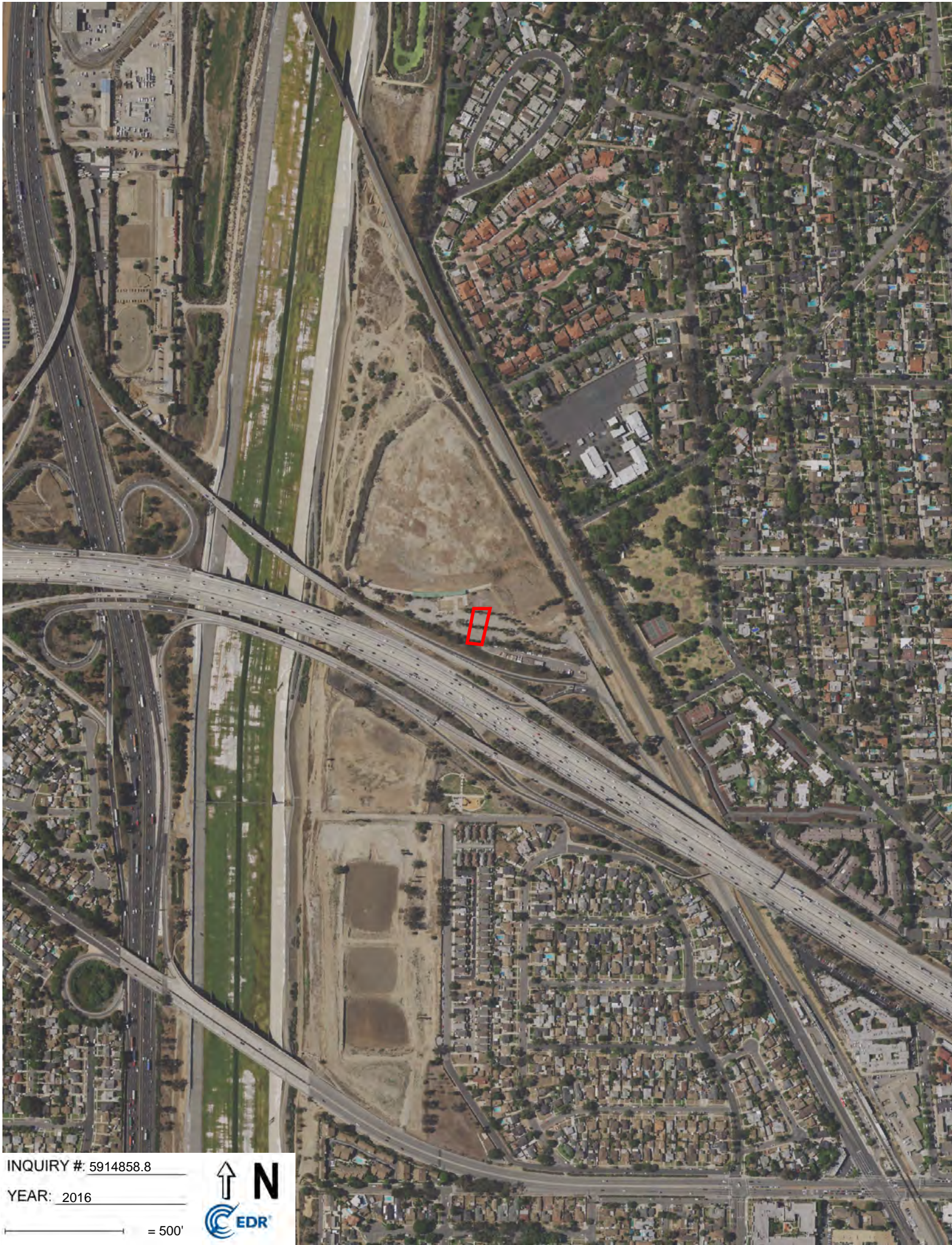
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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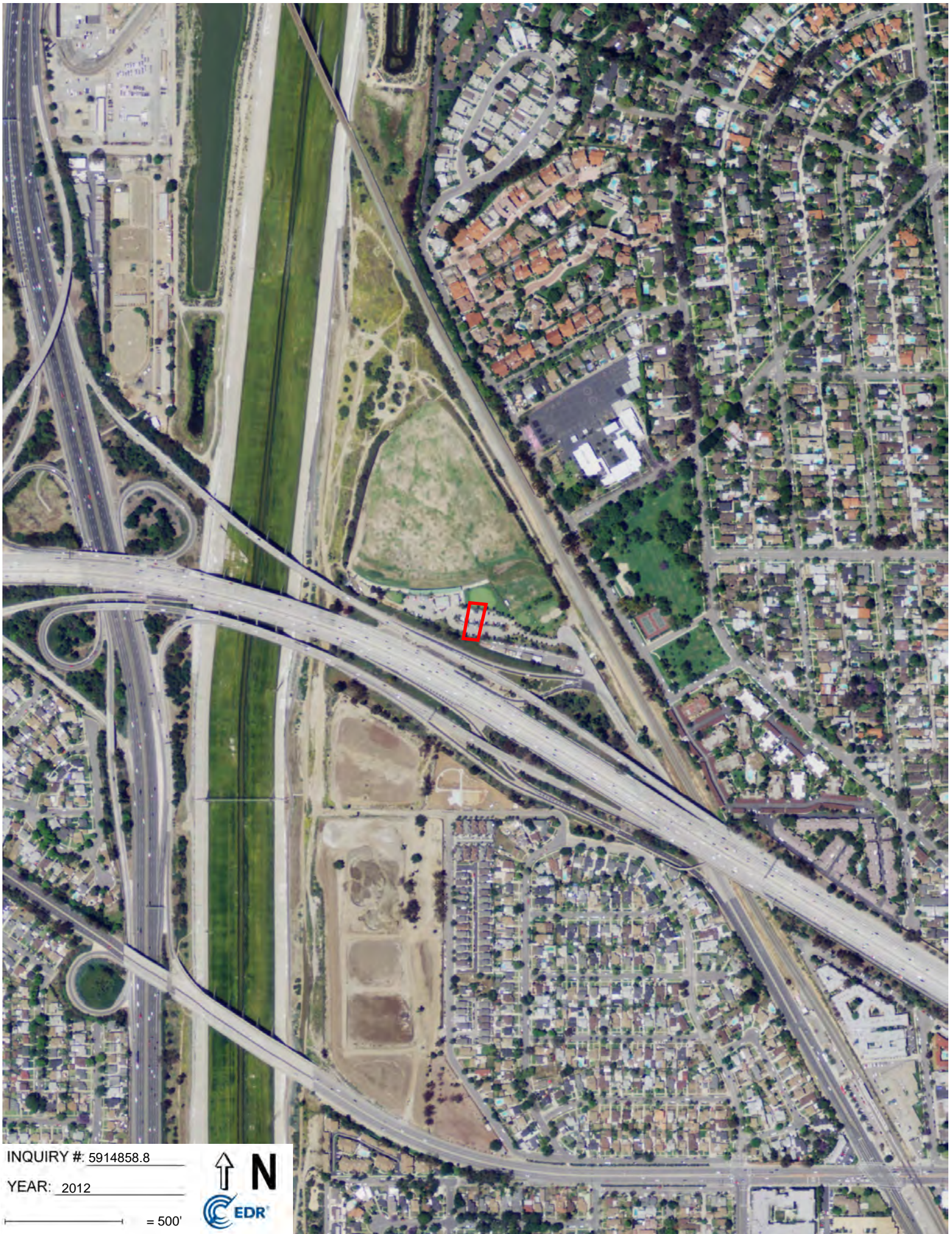


INQUIRY #: 5914858.8

YEAR: 2016

— = 500'



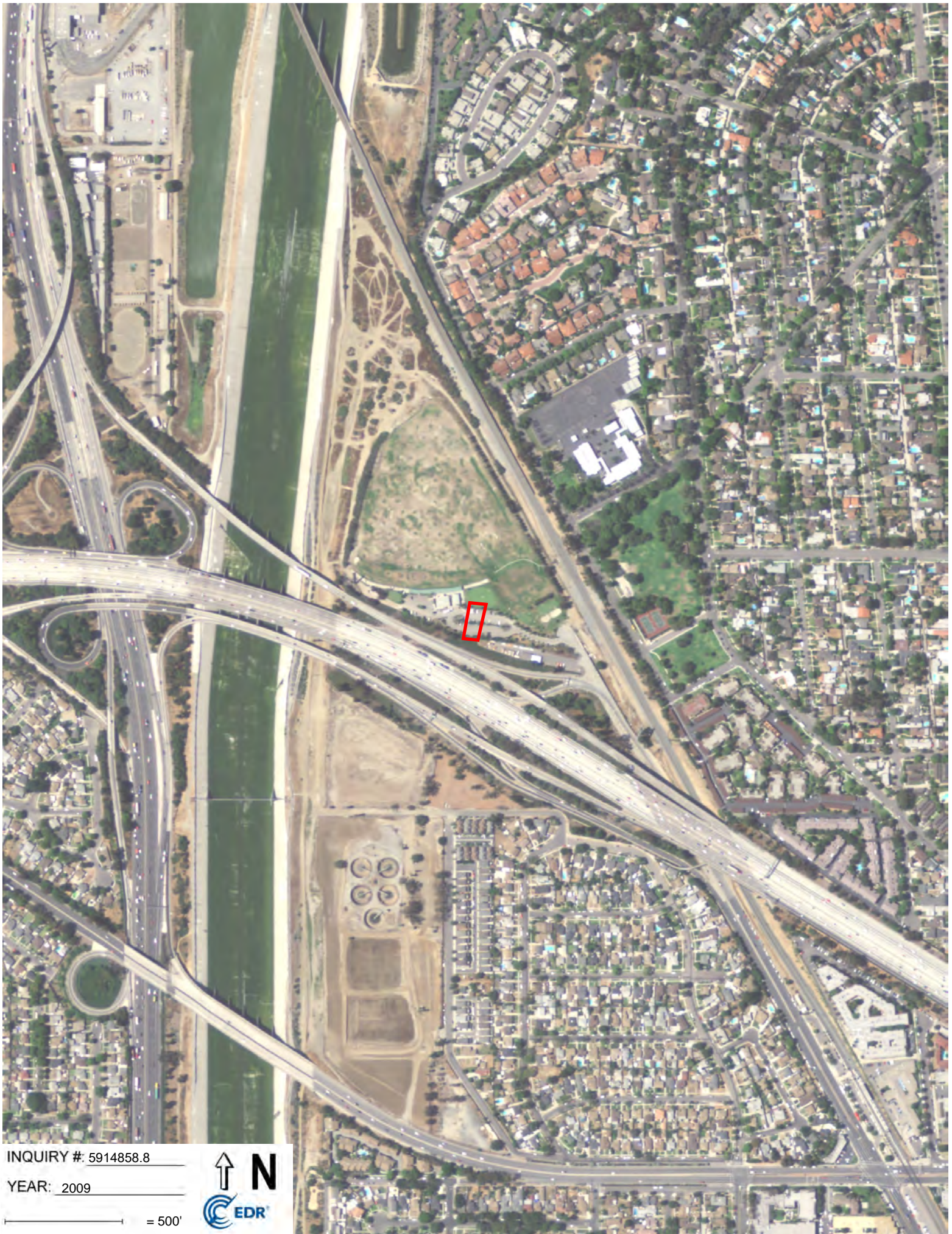


INQUIRY #: 5914858.8

YEAR: 2012

— = 500'



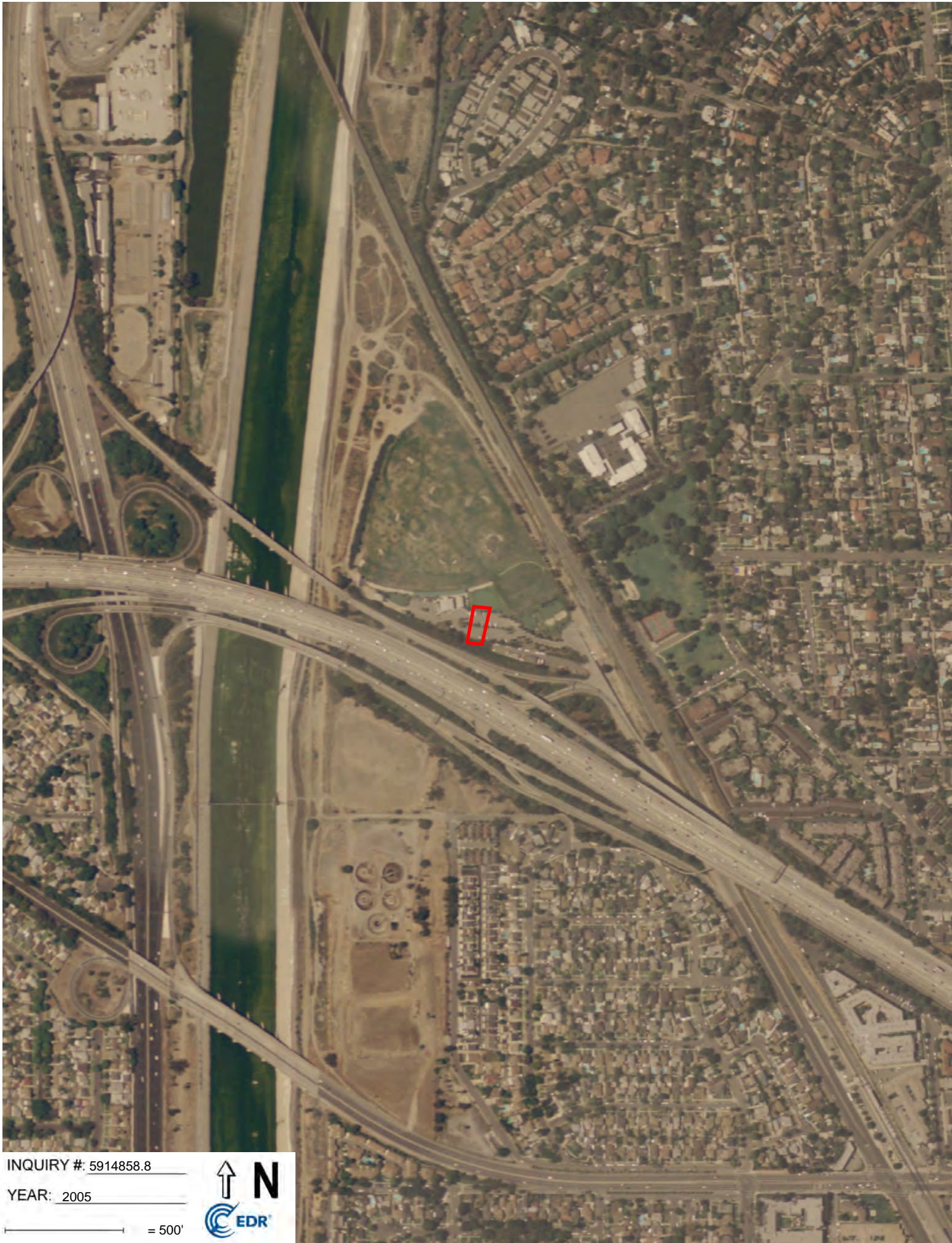


INQUIRY #: 5914858.8

YEAR: 2009

— = 500'





INQUIRY #: 5914858.8

YEAR: 2005

500'





INQUIRY #: 5914858.8

YEAR: 2002

— = 500'





INQUIRY #: 5914858.8

YEAR: 1994

1" = 500'





INQUIRY #: 5914858.8

YEAR: 1989

= 500'





INQUIRY #: 5914858.8

YEAR: 1981

— = 500'



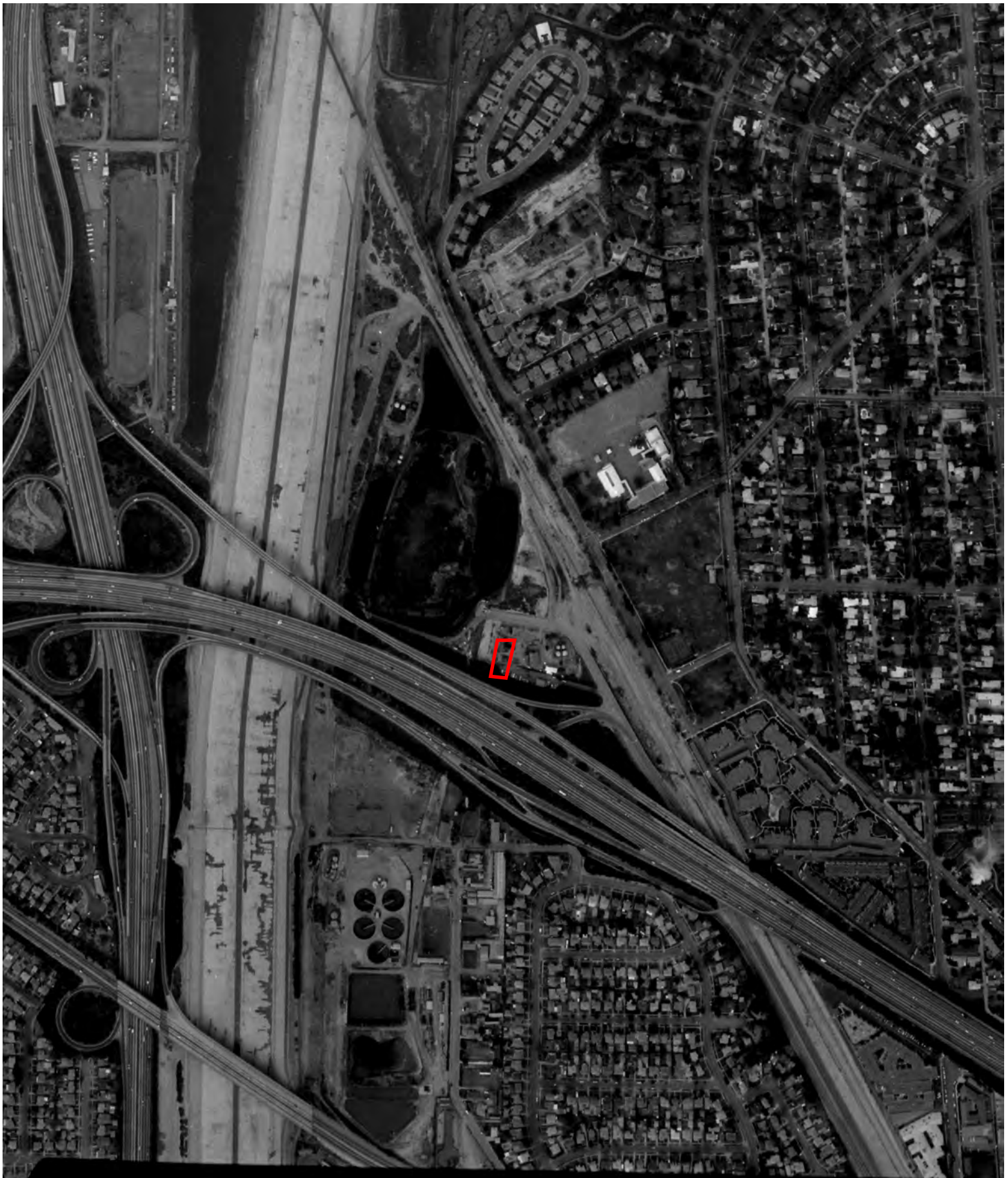


INQUIRY #: 5914858.8

YEAR: 1979

500'





INQUIRY #: 5914858.8

YEAR: 1977

— = 500'





INQUIRY #: 5914858.8

YEAR: 1963

— = 500'





INQUIRY #: 5914858.8

YEAR: 1953

— = 500'



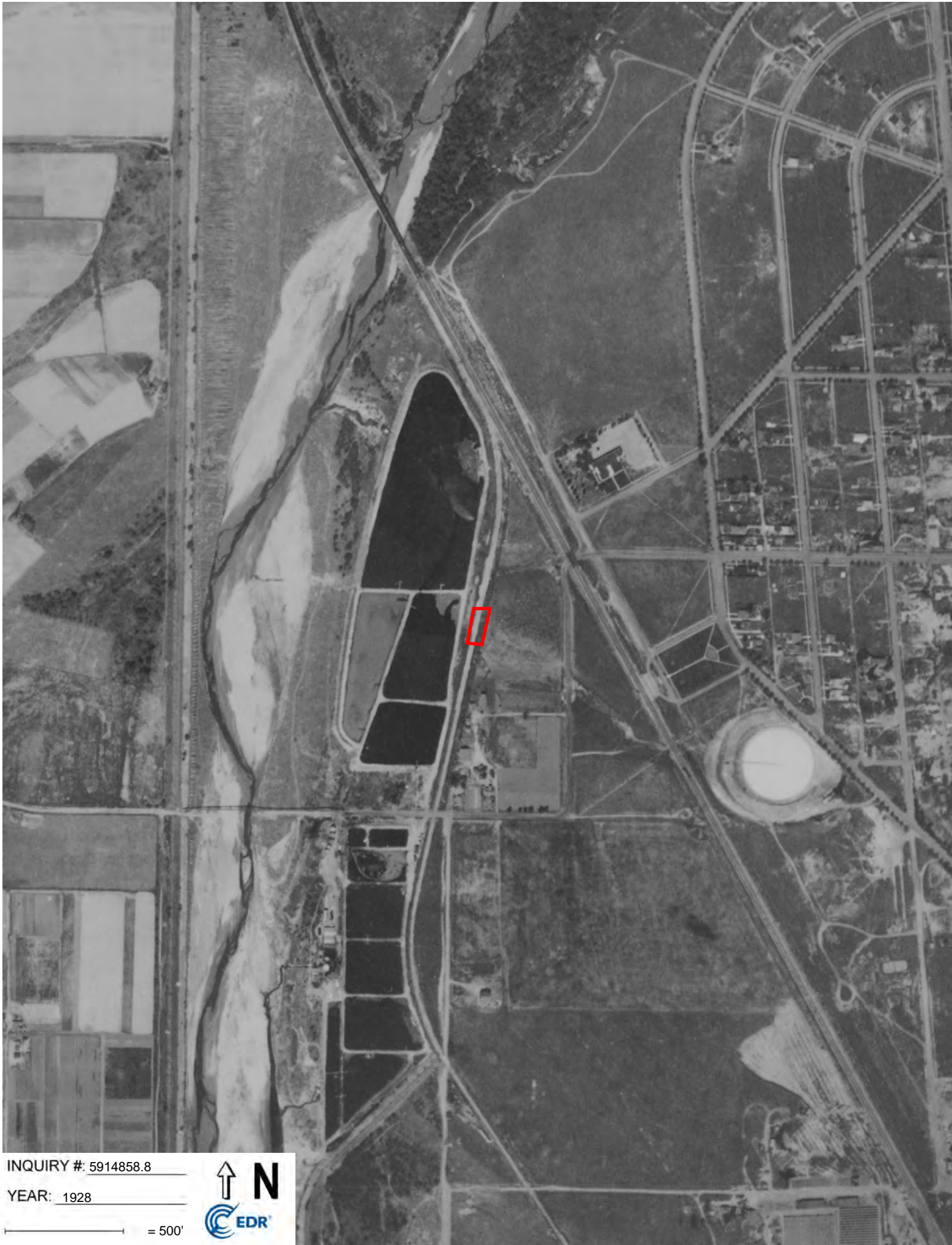


INQUIRY #: 5914858.8

YEAR: 1947

— = 500'





INQUIRY #: 5914858.8

YEAR: 1928


— = 500'



Phase I Environmental Site Assessment
Ambeco Road, Long Beach, California

APPENDIX D

Certified Sanborn Report



APN 7140-014-025

Not Reported

Long Beach, CA 90806

Inquiry Number: 5914858.3

December 23, 2019

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/23/19

Site Name:

APN 7140-014-025

Not Reported

Long Beach, CA 90806

EDR Inquiry # 5914858.3

Client Name:

Roux Associates Inc

555 12th Street Suite 250

Oakland, CA 94607

Contact: Amanda Broffman



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Roux Associates Inc were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # B6E5-4B02-9C16

PO # NA

Project 2036.0013L

UNMAPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: B6E5-4B02-9C16

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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EDR City Directory Image Report

APN 7140-014-025

Not Reported
Long Beach, CA 90806

Inquiry Number: 5914858.5
December 23, 2019

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2006. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

infoUSA[®]

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2006	Haines Company, Inc.	-	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-
2000	Haines	-	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	-	-	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	PACIFIC BELL WHITE PAGES	-	-	-	-
1986	Pacific Bell	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Not Reported
Long Beach, CA 90806

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

DEL MAR AVE

3820 DEL MAR AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Trans Cal	Pacific Bell

DELMAR AVE

3820 DELMAR AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines
	X AVERY PL	Haines

N PACIFIC PL

4021 N PACIFIC PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	SUN PRODUCTION CO LONG BEACH	Pacific Telephone
1976	General Exploration Co Of Calif	Pacific Telephone
1971	General Exploration Co Of California	Pacific Telephone

PACIFIC PL

3701 PACIFIC PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SHOP SANDWEDGECAFE	Haines Company, Inc.
	LEARNING CENTER	Haines Company, Inc.
	ROGERDUNNGOLF	
	LONG BCH GOLF	Haines Company, Inc.

4021 PACIFIC PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Petro Resources	Pacific Bell
1985	PETRO RESOURCES	Pacific Bell
	Petro Resources	Pacific Bell
1980	Sun Production Co	Pacific Telephone
	Ryan Earl P	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Ryan Earl P	Pacific Telephone
	General Exploration Co Of Calif oil	Pacific Telephone
	GENERAL EXPLORATION CO OF CALIF OIL	Pacific Telephone
1967	General Exploration Co of California	Pacific Telephone

PACIFIC PL N

3701 PACIFIC PL N

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	U T GOLF	Haines
	AVID GOLFERS INFORMATION CENTER	Haines
	CLUB WORKS THE	Haines
	LONG BCH GOLF LEARNING CENTER	Haines
	X AMEBCO RD	Haines

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
3701 PACIFIC PL	2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3701 PACIFIC PL N	2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3820 DEL MAR AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3820 DELMAR AVE	2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4021 N PACIFIC PL	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4021 PACIFIC PL	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

Not Reported

Address Not Identified in Research Source

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

EDR Radius Map Report with Geotcheck®

APN 7140-014-025

Not Reported

Long Beach, CA 90806

Inquiry Number: 5914858.2s

December 23, 2019

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	66
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-16
Physical Setting Source Map Findings	A-17
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
LONG BEACH, CA 90806

COORDINATES

Latitude (North):	33.8259100 - 33° 49' 33.27"
Longitude (West):	118.2020120 - 118° 12' 7.24"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	388765.2
UTM Y (Meters):	3743309.2
Elevation:	40 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5652670 LONG BEACH, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
LONG BEACH, CA 90806

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	PETRO RESOURCES INC	4021 N PACIFIC PL	SEMS-ARCHIVE	Higher	132, 0.025, East
A2	LONG BEACH INDUSTRIA	4021 PACIFIC PLACE	CPS-SLIC, CERS	Higher	132, 0.025, East
A3	C.R.G. PROPERTIES	4021 PACIFIC PLACE	UST	Higher	132, 0.025, East
B4	LONG BEACH INDUSTRIA	3701 PACIFIC PLACE	ENVIROSTOR, VCP	Higher	666, 0.126, SE
B5		3701 N. PACIFIC PLAC	RCRA NonGen / NLR	Higher	666, 0.126, SE
C6	OIL OPERATORS, INC.	712 BAKER	CPS-SLIC	Lower	868, 0.164, SSW
D7	LOS CERRITOS	515 W. SAN ANTONIA D	RCRA NonGen / NLR	Higher	887, 0.168, NE
D8	LBUSD LOS CERRITOS E	515 W SAN ANTONIO DR	RCRA NonGen / NLR	Higher	887, 0.168, NE
D9	LONG BEACH USD-CERRI	515 W SAN ANTONIO DR	RCRA-SQG, FINDS, ECHO	Higher	887, 0.168, NE
C10	OIL OPERATORS INC	714 WEST BAKER STREE	ENVIROSTOR	Lower	936, 0.177, SSW
C11	OIL OPERATORS INCORP	712 W BAKER ST	SWEEPS UST, CA FID UST, EMI	Lower	951, 0.180, SSW
C12	OIL OPERATORS INC.,	712 W. BAKER STREET	SEMS-ARCHIVE	Lower	951, 0.180, SSW
C13		712 WEST BAKER ST	CPS-SLIC, CHMIRS, CERS	Lower	951, 0.180, SSW
C14	OIL OPERATORS INCORP	712 W BAKER ST	HIST UST	Lower	951, 0.180, SSW
C15	OIL OPERATORS (AST'S	0712 W BAKER ST	UST	Lower	951, 0.180, SSW
16	YOLANDA DERAMUS	4015 MARION WAY	RCRA NonGen / NLR	Higher	1267, 0.240, North
17	BP PIPELINE/ARCO	- GOLDEN AVE.	CPS-SLIC, CERS	Higher	1398, 0.265, South
18	BIXBY LAND CO.	1101 WARDLOW	CPS-SLIC	Lower	2026, 0.384, SW
19	CALTRANS LONG BEACH,	W LOS ANGELES RIVER/	SWF/LF, CERS	Lower	2347, 0.445, NNW
E20	RAYTHEON SYSTEMS CO	1500 HUGHES WAY	SEMS, CORRACTS, RCRA-TSDF, RCRA-SQG	Higher	2875, 0.545, WNW
E21	HUGHES TECHNICAL SER	1500,1665 HUGHES WAY	ENVIROSTOR, FINDS, EMI, CERS	Higher	2875, 0.545, WNW
E22	HUGHES AIRCRAFT COMP	1500 HUGHES WAY	EMI, HWP	Higher	2875, 0.545, WNW
23	LONG BEACH USD-BOARD	1515 HUGHES WAY	ENVIROSTOR, SCH, HAZNET, CERS	Higher	3673, 0.696, WNW
24	SOUTH REGION HIGH SC	WEST CARSON STREET/S	ENVIROSTOR, SCH	Higher	4774, 0.904, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN..... Key Areas of Concerns in Los Angeles County
US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
CERS HAZ WASTE..... CERS HAZ WASTE
US CDL..... National Clandestine Laboratory Register
PFAS..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CERS TANKS..... California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS..... Environmental Liens Listing

EXECUTIVE SUMMARY

LIENS 2..... CERCLA Lien Information
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
ECHO..... Enforcement & Compliance History Information
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
FUELS PROGRAM..... EPA Fuels Program Registered Listing
CA BOND EXP. PLAN..... Bond Expenditure Plan
Cortese..... "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings..... CUPA Resources List
DRYCLEANERS..... Cleaner Facilities
EMI..... Emissions Inventory Data

EXECUTIVE SUMMARY

ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HIST CORTESE.....	Hazardous Waste & Substance Site List
LOS ANGELES CO. HMS.....	HMS: Street Number List
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
LA Co. Site Mitigation.....	Site Mitigation List
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
MINES MRDS.....	Mineral Resources Data System
LOS ANGELES CO LF METHANOL.....	Methane Producing Landfills

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/25/2019 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PETRO RESOURCES INC Site ID: 0902288 EPA Id: CAD981371222	4021 N PACIFIC PL	E 0 - 1/8 (0.025 mi.)	A1	9
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OIL OPERATORS INC.,	712 W. BAKER STREET	SSW 1/8 - 1/4 (0.180 mi.)	C12	25

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAYTHEON SYSTEMS CO EPA ID:: CAT080012867	1500 HUGHES WAY	WNW 1/2 - 1 (0.545 mi.)	E20	37

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1

EXECUTIVE SUMMARY

RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH USD-CERRI EPA ID:: CAD981420102	515 W SAN ANTONIO DR	NE 1/8 - 1/4 (0.168 mi.)	D9	19

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/29/2019 has revealed that there are 5 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH INDUSTRIA Status: Active Facility Id: 70000161	3701 PACIFIC PLACE	SE 1/8 - 1/4 (0.126 mi.)	B4	11
HUGHES TECHNICAL SER Status: No Action Required Facility Id: 80001843	1500,1665 HUGHES WAY	WNW 1/2 - 1 (0.545 mi.)	E21	46
LONG BEACH USD-BOARD Status: Active Facility Id: 60002177	1515 HUGHES WAY	WNW 1/2 - 1 (0.696 mi.)	23	54
SOUTH REGION HIGH SC Status: No Further Action Facility Id: 70000120	WEST CARSON STREET/S	NW 1/2 - 1 (0.904 mi.)	24	62

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OIL OPERATORS INC Status: Refer: RWQCB Facility Id: 19290011	714 WEST BAKER STREE	SSW 1/8 - 1/4 (0.177 mi.)	C10	21

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within

EXECUTIVE SUMMARY

approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CALTRANS LONG BEACH, Database: SWF/LF (SWIS), Date of Government Version: 08/12/2019 Facility ID: 19-AK-5002 Operational Status: Closed Regulation Status: Unpermitted	W LOS ANGELES RIVER/	NNW 1/4 - 1/2 (0.445 mi.)	19	36

State and tribal leaking storage tank lists

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 5 CPS-SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH INDUSTRIA Database: CPS-SLIC, Date of Government Version: 09/09/2019 Facility Status: Open - Inactive Global Id: SL0603792443	4021 PACIFIC PLACE	E 0 - 1/8 (0.025 mi.)	A2	10
BP PIPELINE/ARCO Database: CPS-SLIC, Date of Government Version: 09/09/2019 Facility Status: Open - Assessment & Interim Remedial Action Global Id: T10000004182	- GOLDEN AVE.	S 1/4 - 1/2 (0.265 mi.)	17	34

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OIL OPERATORS, INC. Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: Remediation	712 BAKER	SSW 1/8 - 1/4 (0.164 mi.)	C6	17
Not reported Database: CPS-SLIC, Date of Government Version: 09/09/2019 Facility Status: Open - Site Assessment Global Id: SL2044M1596	712 WEST BAKER ST	SSW 1/8 - 1/4 (0.180 mi.)	C13	27
BIXBY LAND CO. Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required	1101 WARDLOW	SW 1/4 - 1/2 (0.384 mi.)	18	35

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within

EXECUTIVE SUMMARY

approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
C.R.G. PROPERTIES Database: LONG BEACH UST, Date of Government Version: 04/22/2019	4021 PACIFIC PLACE	E 0 - 1/8 (0.025 mi.)	A3	11

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OIL OPERATORS (AST'S Database: LONG BEACH UST, Date of Government Version: 04/22/2019)	0712 W BAKER ST	SSW 1/8 - 1/4 (0.180 mi.)	C15	32

State and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 07/29/2019 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH INDUSTRIA Status: Active Facility Id: 70000161	3701 PACIFIC PLACE	SE 1/8 - 1/4 (0.126 mi.)	B4	11

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OIL OPERATORS INCORP Status: A Tank Status: A Comp Number: 16868	712 W BAKER ST	SSW 1/8 - 1/4 (0.180 mi.)	C11	22

EXECUTIVE SUMMARY

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OIL OPERATORS INCORP Facility Id: 00000016868	712 W BAKER ST	SSW 1/8 - 1/4 (0.180 mi.)	C14	30

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OIL OPERATORS INCORP Facility Id: 19050933 Status: A	712 W BAKER ST	SSW 1/8 - 1/4 (0.180 mi.)	C11	22

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/16/2019 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	3701 N. PACIFIC PLAC	SE 1/8 - 1/4 (0.126 mi.)	B5	17
LOS CERRITOS EPA ID:: CAC002978453	515 W. SAN ANTONIA D	NE 1/8 - 1/4 (0.168 mi.)	D7	17
LBUSD LOS CERRITOS E EPA ID:: CAL000417871	515 W SAN ANTONIO DR	NE 1/8 - 1/4 (0.168 mi.)	D8	18
YOLANDA DERAMUS EPA ID:: CAC002972209	4015 MARION WAY	N 1/8 - 1/4 (0.240 mi.)	16	32

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 08/19/2019 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HUGHES AIRCRAFT COMP	1500 HUGHES WAY	WNW 1/2 - 1 (0.545 mi.)	E22	53


EXECUTIVE SUMMARY

EPA Id: CAT080012867
Cleanup Status: CLOSED

EXECUTIVE SUMMARY

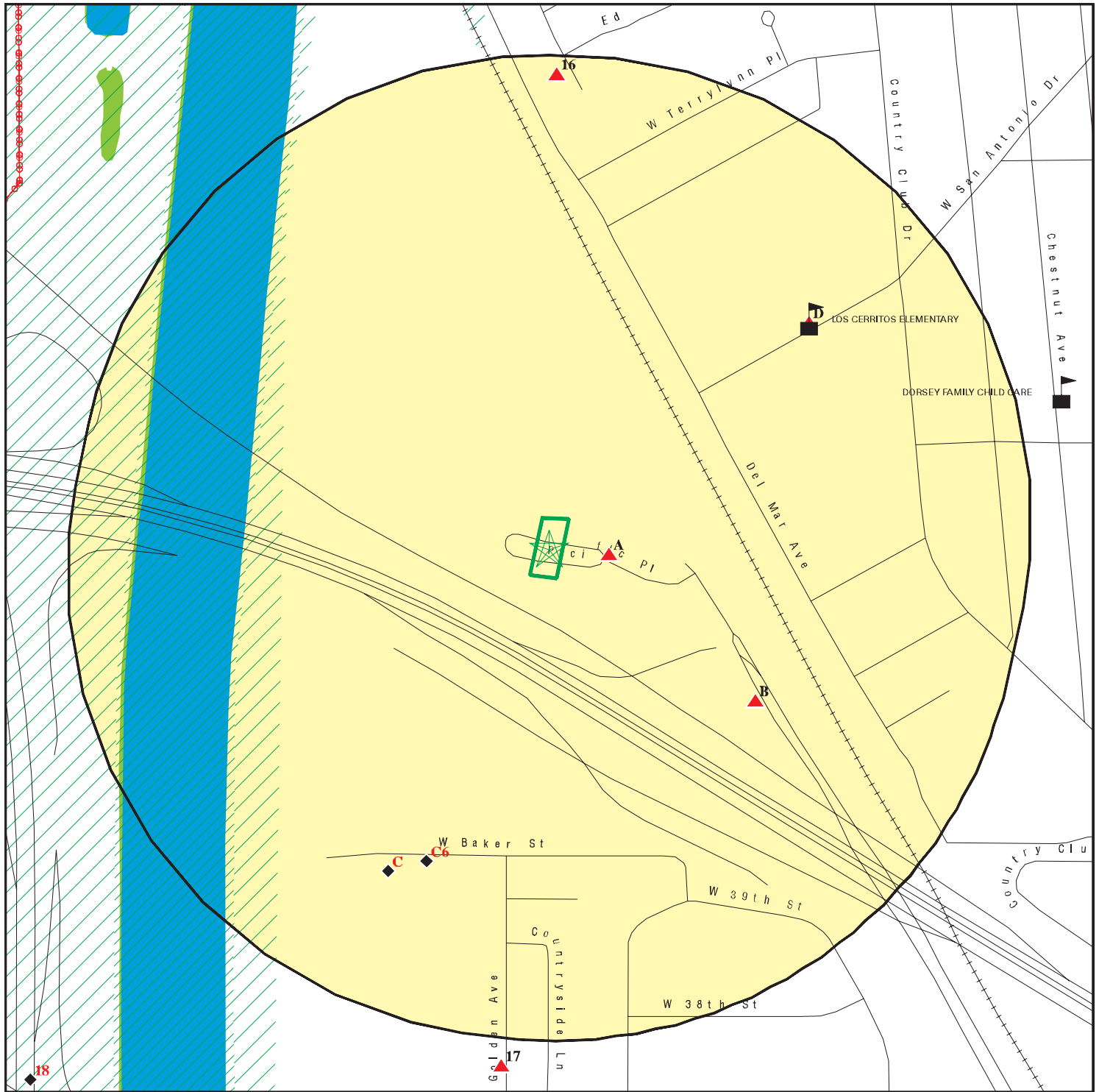
Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

<u>Site Name</u>	<u>Database(s)</u>
K & T LOGISTIC CENTER	CPS-SLIC, CERS
ACTA SOUTH - PARCEL SE-334	CDL
	CPS-SLIC

 Areas of Concern

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DETAIL MAP - 5914858.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach CA 90806
 LAT/LONG: 33.82591 / 118.202012

CLIENT: Roux Associates Inc
 CONTACT: Amanda Broffman
 INQUIRY #: 5914858.2s
 DATE: December 23, 2019 1:10 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		1	1	0	NR	NR	2
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	2	0	3	NR	5
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	1	NR	NR	1
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		1	2	2	NR	NR	5
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	1	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	1	0	NR	NR	1
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		0	1	NR	NR	NR	1
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	1	NR	NR	NR	1
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	4	NR	NR	NR	4
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
LOS ANGELES CO LF METHANE	0.001		0	0	0	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	3	15	3	5	0	26
-------------	--	---	---	----	---	---	---	----

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
-----------------	--	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A1
East
< 1/8
0.025 mi.
132 ft.

PETRO RESOURCES INC
4021 N PACIFIC PL
LONG BEACH, CA 90806

SEMS-ARCHIVE **1003878840**
CAD981371222

Site 1 of 3 in cluster A

Relative:
Higher

SEMS Archive:

Actual:
47 ft.

Site ID: 0902288
EPA ID: CAD981371222
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0902288
EPA ID: CAD981371222
Site Name: PETRO RESOURCES INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1987-10-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0902288
EPA ID: CAD981371222
Site Name: PETRO RESOURCES INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1985-12-01 06:00:00
Finish Date: 1987-10-01 04:00:00
Qual: N
Current Action Lead: St Perf

Region: 09
Site ID: 0902288
EPA ID: CAD981371222
Site Name: PETRO RESOURCES INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-02-01 05:00:00
Finish Date: 1986-02-01 05:00:00
Qual: Not reported
Current Action Lead: St Perf

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A2
East
< 1/8
0.025 mi.
132 ft.
Site 2 of 3 in cluster A

CPS-SLIC
CERS
S109286049
N/A

Relative:
Higher

Actual:
47 ft.

CPS-SLIC:
Name: LONG BEACH INDUSTRIAL PARK
Address: 4021 PACIFIC PLACE
City,State,Zip: LONG BEACH, CA 90806
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/29/2015
Global Id: SL0603792443
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 70000161
Latitude: 33.825762
Longitude: -118.200708
Case Type: Cleanup Program Site
Case Worker: GH
Local Agency: LONG BEACH, CITY OF
RB Case Number: Not reported
File Location: DTSC
Potential Media Affected: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Los Angeles County Metropolitan Authority provided documentation to clarify property name is Long Beach Industrial Park and owner is CRG Properites Ltd.

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Name: LONG BEACH INDUSTRIAL PARK
Address: 4021 PACIFIC PLACE
City,State,Zip: LONG BEACH, CA 90806
Site ID: 234405
CERS ID: SL0603792443
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
East
< 1/8
0.025 mi.
132 ft.

C.R.G. PROPERTIES
4021 PACIFIC PLACE
LONG BEACH, CA
Site 3 of 3 in cluster A

UST U003854853
N/A

Relative:
Higher

LONG BEACH UST:

Actual:
47 ft.

DATA AS OF 02/25/2014:

Name: C.R.G. PROPERTIES
Address: 4021 PACIFIC PLACE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

B4
SE
1/8-1/4
0.126 mi.
666 ft.

LONG BEACH INDUSTRIAL PARK (A.K.A FORMER OIL OPERA
3701 PACIFIC PLACE
LONG BEACH, CA 90806
Site 1 of 2 in cluster B

ENVIROSTOR S108200056
VCP N/A

Relative:
Higher

ENVIROSTOR:

Actual:
63 ft.

Name: LONG BEACH INDUSTRIAL PARK (A.K.A FORMER OIL OPERATORS)
Address: 3701 PACIFIC PLACE
City,State,Zip: LONG BEACH, CA 90806-1163
Facility ID: 70000161
Status: Active
Status Date: 03/15/2016
Site Code: 401865
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 18
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 4 - Los Angeles
Lead Agency: SMBRP
Program Manager: Rania Zabaneh
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.82613
Longitude: -118.2024
APN: 714-0014-019, 714-0014-020, 7140-014-021-04, 7140-014-022-04,
7140-014-023-04, 7140-014-027-04
Past Use: OIL FIELD
Potential COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead Methane
Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE Barium and
compounds Benzo[a]pyrene Zinc
Confirmed COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead Methane
30022-NO TPH-gas 30027-NO Barium and compounds Benzo[a]pyrene Zinc
Potential Description: OTH, SOIL, SV
Alias Name: Oil Operators Northsite
Alias Type: Alternate Name

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH INDUSTRIAL PARK (A.K.A FORMER OIL OPERATORS) (Continued)

S108200056

Alias Name: 714-0014-019
Alias Type: APN
Alias Name: 714-0014-020
Alias Type: APN
Alias Name: 7140-014-021-04
Alias Type: APN
Alias Name: 7140-014-022-04
Alias Type: APN
Alias Name: 7140-014-023-04
Alias Type: APN
Alias Name: 7140-014-027-04
Alias Type: APN
Alias Name: 110033607899
Alias Type: EPA (FRS #)
Alias Name: SL0603792443
Alias Type: GeoTracker Global ID
Alias Name: 401282
Alias Type: Project Code (Site Code)
Alias Name: 401282
Alias Type: Project Code (Site Code)
Alias Name: 401282
Alias Type: Project Code (Site Code)
Alias Name: 401282
Alias Type: Project Code (Site Code)
Alias Name: 401282
Alias Type: Project Code (Site Code)
Alias Name: 401865
Alias Type: Project Code (Site Code)
Alias Name: 70000161
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/08/2007
Comments: Further Action Required

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/06/2007
Comments: DTSC approved the RI workplan for further characterization of soil and groundwater in order to determine the nature and extent of contaminants at this site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/01/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/19/2007
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH INDUSTRIAL PARK (A.K.A FORMER OIL OPERATORS) (Continued)

S108200056

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2008
Comments: Continued monitoring required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/13/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/11/2017
Comments: Site visit conducted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/04/2018
Comments: Batch 2 of 2 of documents in pdf were FedExed overnight to Nave/Meyers law firm on a CD attachment to the letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/20/2007
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Design/Implementation Workplan
Future Due Date: 2021

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Site Characterization Report
Future Due Date: 2020

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2021

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2021

Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Feasibility Study Report
Schedule Due Date: 09/30/2019
Schedule Revised Date: 04/27/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/30/2020
Schedule Revised Date: 04/14/2021

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH INDUSTRIAL PARK (A.K.A FORMER OIL OPERATORS) (Continued)

S108200056

Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 04/30/2020
Schedule Revised Date: 10/26/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Notice
Schedule Due Date: 09/30/2019
Schedule Revised Date: 05/28/2020

VCP:

Name: LONG BEACH INDUSTRIAL PARK (A.K.A FORMER OIL OPERATORS)
Address: 3701 PACIFIC PLACE
City,State,Zip: LONG BEACH, CA 90806-1163
Facility ID: 70000161
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 18
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 4 - Los Angeles
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Rania Zabaneh
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Site Code: 401865
Assembly: 70
Senate: 33
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 03/15/2016
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.82613 / -118.2024
APN: 714-0014-019, 714-0014-020, 7140-014-021-04, 7140-014-022-04, 7140-014-023-04, 7140-014-027-04
Past Use: OIL FIELD
Potential COC: 30001, 30003, 30005, 30013, 30015, 30022, 30025, 30027, 30067, 30478, 30594
Confirmed COC: 30001,30003,30005,30013,30015,30022-NO,30025,30027-NO,30067,30478, 30594
Potential Description: OTH, SOIL, SV
Alias Name: Oil Operators Northsite
Alias Type: Alternate Name
Alias Name: 714-0014-019
Alias Type: APN
Alias Name: 714-0014-020
Alias Type: APN
Alias Name: 7140-014-021-04
Alias Type: APN
Alias Name: 7140-014-022-04
Alias Type: APN
Alias Name: 7140-014-023-04
Alias Type: APN
Alias Name: 7140-014-027-04

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH INDUSTRIAL PARK (A.K.A FORMER OIL OPERATORS) (Continued)

S108200056

Alias Type: APN
Alias Name: 110033607899
Alias Type: EPA (FRS #)
Alias Name: SL0603792443
Alias Type: GeoTracker Global ID
Alias Name: 401282
Alias Type: Project Code (Site Code)
Alias Name: 401282
Alias Type: Project Code (Site Code)
Alias Name: 401282
Alias Type: Project Code (Site Code)
Alias Name: 401282
Alias Type: Project Code (Site Code)
Alias Name: 401282
Alias Type: Project Code (Site Code)
Alias Name: 401865
Alias Type: Project Code (Site Code)
Alias Name: 70000161
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/08/2007
Comments: Further Action Required

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/06/2007
Comments: DTSC approved the RI workplan for further characterization of soil and groundwater in order to determine the nature and extent of contaminants at this site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/01/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/19/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2008
Comments: Continued monitoring required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/13/2005
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH INDUSTRIAL PARK (A.K.A FORMER OIL OPERATORS) (Continued)

S108200056

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/11/2017
Comments: Site visit conducted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/04/2018
Comments: Batch 2 of 2 of documents in pdf were FedExed overnight to Nave/Meyers law firm on a CD attachment to the letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/20/2007
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Design/Implementation Workplan
Future Due Date: 2021
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Site Characterization Report
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2021
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2021
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Feasibility Study Report
Schedule Due Date: 09/30/2019
Schedule Revised Date: 04/27/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/30/2020
Schedule Revised Date: 04/14/2021
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 04/30/2020
Schedule Revised Date: 10/26/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Notice
Schedule Due Date: 09/30/2019
Schedule Revised Date: 05/28/2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
B5 SE 1/8-1/4 0.126 mi. 666 ft. Relative: Higher Actual: 63 ft.	3701 N. PACIFIC PLACE LONG BEACH, CA 90806 Site 2 of 2 in cluster B RCRA NonGen / NLR:	RCRA NonGen / NLR	1025850596 CAC003030695
C6 SSW 1/8-1/4 0.164 mi. 868 ft. Relative: Lower Actual: 31 ft.	OIL OPERATORS, INC. 712 BAKER LONG BEACH, CA 90806 Site 1 of 7 in cluster C SLIC REG 4: Region: 4 Facility Status: Remediation SLIC: 0093 Substance: TPH Staff: AH	CPS-SLIC	U003660379 N/A
D7 NE 1/8-1/4 0.168 mi. 887 ft. Relative: Higher Actual: 80 ft.	LOS CERRITOS 515 W. SAN ANTONIA DR. LONG BEACH, CA 90807 Site 1 of 3 in cluster D RCRA NonGen / NLR: Date form received by agency: 08/31/2018 Facility name: LOS CERRITOS Facility address: 515 W. SAN ANTONIA DR. LONG BEACH, CA 90807 EPA ID: CAC002978453 Mailing address: 2201 E. MARKET ST LONG BEACH, CA 90805 Contact: ED LAFRENIERE Contact address: 2201 E. MARKET ST LONG BEACH, CA 90805 Contact country: Not reported Contact telephone: 714-448-4471 Contact email: WINWOOD.JOHN@CLEANHARBORS.COM EPA Region: 09 Classification: Non-Generator Description: Handler: Non-Generators do not presently generate hazardous waste Owner/Operator Summary: Owner/operator name: LONG BEACH UNIFIED SCHOOL Owner/operator address: 2201 E. MARKET ST LONG BEACH, CA 90805 Owner/operator country: Not reported Owner/operator telephone: 714-448-4471 Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Other Owner/Operator Type: Owner	RCRA NonGen / NLR	1024758608 CAC002978453

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS CERRITOS (Continued)

1024758608

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ED LAFRENIERE
Owner/operator address: 2201 E. MARKET ST
LONG BEACH, CA 90805

Owner/operator country: Not reported
Owner/operator telephone: 714-448-4471
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

**D8
NE
1/8-1/4
0.168 mi.
887 ft.**

**LBUSD LOS CERRITOS ELEMENTARY
515 W SAN ANTONIO DR
LONG BEACH, CA 90807**

RCRA NonGen / NLR

**1024855341
CAL000417871**

Site 2 of 3 in cluster D

**Relative:
Higher
Actual:
80 ft.**

RCRA NonGen / NLR:
Date form received by agency: 06/08/2016
Facility name: LBUSD LOS CERRITOS ELEMENTARY
Facility address: 515 W SAN ANTONIO DR
LONG BEACH, CA 90807

EPA ID: CAL000417871
Mailing address: 2425 WEBSTER AVE
LONG BEACH, CA 90810-0000

Contact: STEVEN RICHARDS
Contact address: 2425 WEBSTER AVENUE
LONG BEACH, CA 90810

Contact country: Not reported
Contact telephone: 562-997-7517
Contact email: SRICHARDS@LBSCHOOLS.NET
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD LOS CERRITOS ELEMENTARY (Continued)

1024855341

Owner/Operator Summary:

Owner/operator name: LONG BEACH USD
Owner/operator address: 1515 HUGHES WAY
LONG BEACH, CA 90810
Owner/operator country: Not reported
Owner/operator telephone: 562-997-8000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: STEVEN RICHARDS
Owner/operator address: 2425 WEBSTER AVENUE
LONG BEACH, CA 90810
Owner/operator country: Not reported
Owner/operator telephone: 562-997-7517
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

D9
NE
1/8-1/4
0.168 mi.
887 ft.

LONG BEACH USD-CERRITOS ELEMENTARY
515 W SAN ANTONIO DR,
LONG BEACH, CA 90807
Site 3 of 3 in cluster D

RCRA-SQG 1000231581
FINDS CAD981420102
ECHO

Relative:
Higher

RCRA-SQG:

Actual:
80 ft.

Date form received by agency: 09/01/1996
Facility name: LONG BEACH USD-CERRITOS ELEMENTARY
Facility address: 515 WEST SAN ANTONIO DRIVE
LONG BEACH, CA 90807
EPA ID: CAD981420102

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH USD-CERRITOS ELEMENTARY (Continued)

1000231581

Mailing address: 151 EAST TWENTY SEVENTH STREET
LONG BEACH, CA 90806
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LONG BEACH UNIFIED SCHOOL DISTRICT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH USD-CERRITOS ELEMENTARY (Continued)

1000231581

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/16/1986
Site name: LONG BEACH USD-CERRITOS ELEMENTARY
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002699731

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000231581
Registry ID: 110002699731
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002699731>

C10
SSW
1/8-1/4
0.177 mi.
936 ft.

OIL OPERATORS INC
714 WEST BAKER STREET
LONG BEACH, CA 90806

ENVIROSTOR **S101480681**
N/A

Site 2 of 7 in cluster C

Relative:
Lower

Actual:
30 ft.

ENVIROSTOR:

Name: OIL OPERATORS INC
Address: 714 WEST BAKER STREET
City,State,Zip: LONG BEACH, CA 90806
Facility ID: 19290011
Status: Refer: RWQCB
Status Date: 01/11/2011
Site Code: 400564
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 18
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: Manny Alonzo
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIL OPERATORS INC (Continued)

S101480681

Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.82333
Longitude: -118.2022
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Long Beach Industrial Park
Alias Type: Alternate Name
Alias Name: SIGNAL HILL AREA DUMPSITE (CERCLIS)
Alias Type: Alternate Name
Alias Name: CAD983566399
Alias Type: EPA Identification Number
Alias Name: 400564
Alias Type: Project Code (Site Code)
Alias Name: 19290011
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/20/1996
Comments: A Preliminary Assessment (Re-assessment) was completed under U.S. EPA grant. The site does not qualify for further remedial site assessment under CERCLA. The Regional Water Quality Control Board is involved with the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/05/1980
Comments: Facility Identified: Waste Haulers #105.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

C11
SSW
1/8-1/4
0.180 mi.
951 ft.
Site 3 of 7 in cluster C

OIL OPERATORS INCORPORATED
712 W BAKER ST
LONG BEACH, CA 90806

SWEEPS UST
CA FID UST
EMI
S101618114
N/A

Relative:
Lower
Actual:
30 ft.
SWEEPS UST:
Name: OIL OPERATORS INCORPORATED
Address: 712 W BAKER ST
City: LONG BEACH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIL OPERATORS INCORPORATED (Continued)

S101618114

Status: Active
Comp Number: 16868
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-016868-000001
Tank Status: A
Capacity: 365000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 5

Name: OIL OPERATORS INCORPORATED
Address: 712 W BAKER ST
City: LONG BEACH
Status: Active
Comp Number: 16868
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 19-060-016868-000002
Tank Status: A
Capacity: 365000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: OIL OPERATORS INCORPORATED
Address: 712 W BAKER ST
City: LONG BEACH
Status: Active
Comp Number: 16868
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 19-060-016868-000003
Tank Status: A
Capacity: 365000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIL OPERATORS INCORPORATED (Continued)

S101618114

Name: OIL OPERATORS INCORPORATED
Address: 712 W BAKER ST
City: LONG BEACH
Status: Active
Comp Number: 16868
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 19-060-016868-000004
Tank Status: A
Capacity: 365000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: OIL OPERATORS INCORPORATED
Address: 712 W BAKER ST
City: LONG BEACH
Status: Active
Comp Number: 16868
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 5
SWRCB Tank Id: 19-060-016868-000005
Tank Status: A
Capacity: 365000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19050933
Regulated By: UTNKA
Regulated ID: 00016868
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134242451
Mail To: Not reported
Mailing Address: 712 W BAKER ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90806
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIL OPERATORS INCORPORATED (Continued)

S101618114

Status: Active

EMI:

Name: OIL OPERATORS INC
Address: 712 W BAKER ST
City,State,Zip: LONG BEACH, CA 90806
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 24470
Air District Name: SC
SIC Code: 2992
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: OIL OPERATORS INC
Address: 712 W BAKER ST
City,State,Zip: LONG BEACH, CA 90806
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 24470
Air District Name: SC
SIC Code: 2992
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

C12
SSW
1/8-1/4
0.180 mi.
951 ft.

OIL OPERATORS INC., SOUTH PROPERTY
712 W. BAKER STREET
LONG BEACH, CA 90806

SEMS-ARCHIVE 1003109071
CAN000905720

Site 4 of 7 in cluster C

Relative:
Lower

SEMS Archive:

Actual:
30 ft.

Site ID: 0905720
EPA ID: CAN000905720
Cong District: Not reported
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIL OPERATORS INC., SOUTH PROPERTY (Continued)

1003109071

SEMS Archive Detail:

Region: 09
Site ID: 0905720
EPA ID: CAN000905720
Site Name: OIL OPERATORS INC., SOUTH PROPERTY
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 2000-03-13 05:00:00
Finish Date: 2000-03-13 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905720
EPA ID: CAN000905720
Site Name: OIL OPERATORS INC., SOUTH PROPERTY
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 2003-10-01 04:00:00
Finish Date: 2008-12-02 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905720
EPA ID: CAN000905720
Site Name: OIL OPERATORS INC., SOUTH PROPERTY
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: 2007-07-01 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905720
EPA ID: CAN000905720
Site Name: OIL OPERATORS INC., SOUTH PROPERTY
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIL OPERATORS INC., SOUTH PROPERTY (Continued)

1003109071

Finish Date: 2013-11-07 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0905720
EPA ID: CAN000905720
Site Name: OIL OPERATORS INC., SOUTH PROPERTY
NPL: N
FF: N
OU: 00
Action Code: HX
Action Name: PRE-CERC
SEQ: 1
Start Date: Not reported
Finish Date: 2000-03-13 05:00:00
Qual: Not reported
Current Action Lead: St Perf

C13
SSW
1/8-1/4
0.180 mi.
951 ft.

712 WEST BAKER ST
LONG BEACH, CA 90807

Site 5 of 7 in cluster C

CPS-SLIC
CHMIRS
CERS
S105645229
N/A

Relative:
Lower
Actual:
30 ft.

CPS-SLIC:
Name: OIL OPERATORS, INC.
Address: 712 WEST BAKER ST
City,State,Zip: LONG BEACH, CA
Region: STATE
Facility Status: Open - Site Assessment
Status Date: 01/02/2015
Global Id: SL2044M1596
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.8228684074719
Longitude: -118.203449249268
Case Type: Cleanup Program Site
Case Worker: RO
Local Agency: LONG BEACH, CITY OF
RB Case Number: 0093
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Benzene, Toluene, Xylene, Arsenic, Chromium, Lead, Nickel, Crude Oil, Gasoline
Site History: The Oil Operators Incorporated (OOI) property covers approximately 20-acres and is located south of the 405 freeway, east of the 710 freeway and the Los Angeles River, in the City of Long Beach. It is bounded on the south by Wardlow Road and on the east by Golden Avenue. A residential development is present to the east of the property, across Golden Avenue. The site address is 712 West Baker Street. Baker Street divides the property into two parts, a northern part and a larger southern part. The area immediately to the west of the property is the Los Angeles River. OOI is a non-profit cooperative organization of numerous oil companies, operators and individuals that operate oil wells in the Long Beach/Signal Hill

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S105645229

area. OOI owns the subject property and has operated onsite water treatment facilities since 1926 to treat produced water (production brines) and other fluids recovered during oil production. The aforementioned process removed oil and sediment from the water, allowing the treated water to be disposed of offsite. As a by-product of this process, low-grade oil was recovered for recycling. In the mid 1950s, a water treatment plant was constructed onsite consisting of five circular concrete skimming basins and associated pumps, tanks, pipelines and other facilities. The treatment plant was located north of the two large rectangular basins, referred to as Basins 1 and 2. Basin 1 is a large square settling basin that contained residual oily solids that settled out of the oil production brine water processed throughout the site over the last several decades. Basin 2 received relatively clean water, after it had gone through various stages of skimming. In Basin 2, the treated water was held until it was released to the sanitation district for disposal. Additional smaller basins were historically present south of Basins 1 and 2. These smaller basins were closed in 1986 and 1987. Prior to ceasing operations in 1998, the OOI facility consisted of five circular concrete skimming basins, Basins 1 and 2, various aboveground storage tanks and surface buildings. Much of the vacant area of the property was formerly leased to a plant nursery. The property had been undergoing decommissioning in phases since 1998. The nursery vacated the site in 1999. In 2000, the City of Long Beach ordered all buildings, sheds and similar structures to be demolished with the debris hauled offsite. In 2001, the remaining aboveground storage tanks were cleaned and demolished. Currently, the site is vacant. Basin 1 has been the subject of remediation since it contained oily solids/sludge that settled out of the oil production wastewater processed at the site. Cleanup criteria were established for the primary chemicals of concern (COC) in Basin 1, which are total petroleum hydrocarbons (TPH), gasoline components; benzene, toluene, ethylbenzene and xylenes (BTEX) and heavy metals (arsenic, chromium, lead and nickel).

[Click here to access the California GeoTracker records for this facility:](#)

CHMIRS:

Name:	Not reported
Address:	712 WEST BAKER ST
City,State,Zip:	LONG BEACH, CA 90807
OES Incident Number:	14472
OES notification:	Not reported
OES Date:	6/30/1996
OES Time:	11:32:52 PM
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S105645229

Responding Agency Personnel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: YES
Waterway: Not reported
Spill Site: Not reported
Cleanup By: discharger
Containment: Not reported
What Happened: Not reported
Type: PETROLEUM
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1996
Agency: oil oper inc
Incident Date: 2100 6/30/96
Admin Agency: Not reported
Amount: minor amount under 2 gals
Contained: NO
Site Type: Not reported
E Date: Not reported
Substance: produced water
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: NO
Number of Injuries: NO
Number of Fatalities: NO
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatafs: Not reported
Comments: Not reported
Description: leaking pipeline in 8 in mainline near flange

CERS:

Name: OIL OPERATORS, INC.
Address: 712 WEST BAKER ST
City,State,Zip: LONG BEACH, CA
Site ID: 211501
CERS ID: SL2044M1596
CERS Description: Cleanup Program Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S105645229

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REBECCA ORR - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W 4th St #200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766811

C14 OIL OPERATORS INCORPORATED
SSW 712 W BAKER ST
1/8-1/4 LONG BEACH, CA 90806
0.180 mi.
951 ft. Site 6 of 7 in cluster C

HIST UST U001566108
N/A

Relative:
Lower

Actual:
30 ft.

HIST UST:

Name: OIL OPERATORS INCORPORATED
Address: 712 W BAKER ST
City,State,Zip: LONG BEACH, CA 90806
File Number: 000279C9
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000279C9.pdf>
Region: STATE
Facility ID: 00000016868
Facility Type: Other
Other Type: WASTEWATER TREATMENT
Contact Name: Not reported
Telephone: 2134242451
Owner Name: OIL OPERATORS INCORPORATED
Owner Address: 712 W. BAKER STREET
Owner City,St,Zip: LONG BEACH, CA 90806
Total Tanks: 0011

Tank Num: 001
Container Num: 1
Year Installed: 1959
Tank Capacity: 00365000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: Visual, Groundwater Monitoring Well

Tank Num: 002
Container Num: 2
Year Installed: 1959
Tank Capacity: 00365000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: Visual, Groundwater Monitoring Well

Tank Num: 003
Container Num: 3
Year Installed: 1959
Tank Capacity: 00365000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIL OPERATORS INCORPORATED (Continued)

U001566108

Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: Visual, Groundwater Monitoring Well

Tank Num: 004
Container Num: 4
Year Installed: 1959
Tank Capacity: 00365000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: Visual, Groundwater Monitoring Well

Tank Num: 005
Container Num: 5
Year Installed: 1959
Tank Capacity: 00365000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: Visual, Groundwater Monitoring Well

Tank Num: 006
Container Num: 6
Year Installed: 1950
Tank Capacity: 02520000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 24
Leak Detection: Visual, Groundwater Monitoring Well

Tank Num: 007
Container Num: 7
Year Installed: 1982
Tank Capacity: 05460000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 24
Leak Detection: Visual, Groundwater Monitoring Well

Tank Num: 008
Container Num: 8
Year Installed: 1950
Tank Capacity: 02549400
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 24
Leak Detection: Visual, Groundwater Monitoring Well

Tank Num: 009
Container Num: 9
Year Installed: 1950
Tank Capacity: 00558600
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 24

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIL OPERATORS INCORPORATED (Continued)

U001566108

Leak Detection: Visual, Groundwater Monitoring Well

Tank Num: 010

Container Num: 10

Year Installed: 1959

Tank Capacity: 00087750

Tank Used for: WASTE

Type of Fuel: Not reported

Container Construction Thickness: 8

Leak Detection: Visual, Groundwater Monitoring Well

Tank Num: 011

Container Num: 11

Year Installed: Not reported

Tank Capacity: 00010770

Tank Used for: WASTE

Type of Fuel: Not reported

Container Construction Thickness: 3

Leak Detection: Visual, Groundwater Monitoring Well

[Click here for Geo Tracker PDF:](#)

C15
SSW
1/8-1/4
0.180 mi.
951 ft.

OIL OPERATORS (AST'S ONLY)
0712 W BAKER ST
LONG BEACH, CA
Site 7 of 7 in cluster C

UST 1005188563
N/A

Relative:
Lower

LONG BEACH UST:

Actual:
30 ft.

DATA AS OF 02/25/2014:

Name: OIL OPERATORS (AST'S ONLY)
Address: 0712 W BAKER ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

16
North
1/8-1/4
0.240 mi.
1267 ft.

YOLANDA DERAMUS
4015 MARION WAY
LONG BEACH, CA 90807

RCRA NonGen / NLR 1024752404
CAC002972209

Relative:
Higher

RCRA NonGen / NLR:

Actual:
67 ft.

Date form received by agency: 07/23/2018
Facility name: YOLANDA DERAMUS
Facility address: 4015 MARION WAY
LONG BEACH, CA 90807-3113
EPA ID: CAC002972209
Contact: YOLANDA DERAMUS
Contact address: 4015 MARION WAY
LONG BEACH, CA 90807-3113
Contact country: Not reported
Contact telephone: 213-618-7750

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOLANDA DERAMUS (Continued)

1024752404

Contact email: GENEVADEGUIRE@ALLIANCE-ENVIRO.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: YOLANDA DERAMUS
Owner/operator address: 4015 MARION WAY
LONG BEACH, CA 90807
Owner/operator country: Not reported
Owner/operator telephone: 213-618-7750
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: YOLANDA DERAMUS
Owner/operator address: 4015 MARION WAY
LONG BEACH, CA 90807
Owner/operator country: Not reported
Owner/operator telephone: 213-618-7750
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

17
South
1/4-1/2
0.265 mi.
1398 ft.

BP PIPELINE/ARCO
- GOLDEN AVE.
LONG BEACH, CA 90806

CPS-SLIC
CERS
S118504655
N/A

Relative:
Higher
Actual:
55 ft.

CPS-SLIC:
Name: BP PIPELINE/ARCO
Address: - GOLDEN AVE.
City,State,Zip: LONG BEACH, CA 90806
Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 01/02/2015
Global Id: T10000004182
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.8218523065229
Longitude: -118.20246219635
Case Type: Cleanup Program Site
Case Worker: RO
Local Agency: LONG BEACH, CITY OF
RB Case Number: 0093A
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Dichloroethane (DCA), Benzene, Gasoline
Site History: Initial soil gas investigations in the area were conducted by Oil Operators, Inc. (OOI), the property owner of the land parcel at 712 West Baker Street, Long Beach, California to the west of this site (OOI Geotracker page: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL2044M1596). In July 2011, OOI conducted a soil gas survey under the Regional Boards direction. The survey included the OOI property, and extended into the Wrigley Heights residences as far east as Maine Avenue. The survey found that benzene vapors were present below the ground in some Wrigley Heights areas near Golden Avenue. The levels of benzene found presented no immediate risks to human health. To address any potential for long-term human health impacts, the Regional Board directed OOI to install and operate a soil vapor extraction (SVE) system. A SVE system reduces the risk of vapor intrusion by depressurizing the subsurface below the impacted areas. Additionally, SVE removes the contaminants from the soil by applying a vacuum and creating a controlled air flow. The gas leaving the soil is treated aboveground to remove the contaminants, and then released into the air in accordance with applicable air quality regulations. OOI installed an SVE system and operated it from September 2012 to September 2014. After further review of data from the investigations performed by OOI, the Regional Board determined that the benzene present underneath the ground in the residential neighborhood originates from a BP pipeline release along Golden Avenue. West Coast Products LLC, ARCO, and ARCO Terminal Services Corporation (collectively BP) previously owned and operated petroleum pipelines that extend beneath Golden Avenue in Long Beach, California, to the west of the Wrigley Heights residences. On June 1, 2013, Tesoro bought the pipelines, and assumed responsibility for assessment and remediation activities related to them. The Regional Board issued BP a tentative clean-up and abatement order (CAO) on April 26, 2013, and a CAO on September 19, 2014. The order requires BP (now Tesoro) to assume the responsibility of soil vapor intrusion mitigation for the Wrigley Heights residences. At this time, Tesoro has taken over soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BP PIPELINE/ARCO (Continued)

S118504655

vapor mitigation activities from OOI. A new SVE aboveground treatment compound owned and operated by Tesoro to treat the extracted vapors has been constructed on OOI property; no new extraction wells are planned for construction at this time. Tesoro resumed soil vapor extraction activities with their new system in the beginning of April 2015. An additional soil, soil vapor, and groundwater investigation has been completed by Tesoro, and the investigation report is under review. A human health risk assessment has been prepared and reviewed by the Office of Environmental Health Hazard Assessment. The Regional Board is currently directing additional actions to address the areas of concern.

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Name: BP PIPELINE/ARCO
Address: - GOLDEN AVE.
City,State,Zip: LONG BEACH, CA 90806
Site ID: 205796
CERS ID: T10000004182
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REBECCA ORR - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W 4th St #200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766811

18
SW
1/4-1/2
0.384 mi.
2026 ft.

BIXBY LAND CO.
1101 WARDLOW
LONG BEACH, CA 90801

CPS-SLIC **S103547122**
N/A

Relative:
Lower

SLIC REG 4:

Region: 4
Facility Status: No further action required
SLIC: 0104
Substance: TPH
Staff: Manjulika Chakarbarti

Actual:
30 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

19
NNW
1/4-1/2
0.445 mi.
2347 ft.

CALTRANS LONG BEACH, W LA RIVER #2
W LOS ANGELES RIVER/AT END OF W. CARSON
LONG BEACH, CA

SWF/LF **S102360866**
CERS **N/A**

Relative:
Lower

Actual:
34 ft.

SWF/LF (SWIS):

Name: CALTRANS LONG BEACH, W LA RIVER #2
Address: W LOS ANGELES RIVER/AT END OF W. CARSON
City,State,Zip: LONG BEACH, CA
Facility ID: 19-AK-5002
Lat/Long: 33.83167 / -118.20572
Owner Name: Caltrans
Owner Telephone: 2138970458
Owner Address: Not reported
Owner Address2: 120 S. Spring St.
Owner City,St,Zip: Los Angeles, CA 90012
Operational Status: Closed
Operator: Not reported
Operator Phone: Not reported
Operator Address: Not reported
Operator Address2: Not reported
Operator City,St,Zip: Not reported
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: \$0.00
Activity: Solid Waste Disposal Site
Regulation Status: Unpermitted
Landuse Name: Rural,Commercial
GIS Source: Map
Category: Disposal
Unit Number: 01
Inspection Frequency: Annual
Accepted Waste: Not reported
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: \$0.00
SWIS Num: 19-AK-5002
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: Not reported
Lat/Long: 33.83167 / -118.20572

CERS:

Name: CALTRANS LONG BEACH, W LA RIVER #2
Address: W LOS ANGELES RIVER/AT END OF W. CARSON
City,State,Zip: LONG BEACH, CA
Site ID: 507413
CERS ID: 19-AK-5002
CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: Caltrans
Entity Title: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALTRANS LONG BEACH, W LA RIVER #2 (Continued)

S102360866

Affiliation Address: Not reported
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: 2138970458

E20
WNW
1/2-1
0.545 mi.
2875 ft.
RAYTHEON SYSTEMS CO
1500 HUGHES WAY
LONG BEACH, CA 90810
Site 1 of 3 in cluster E

SEMS **1015730703**
CORRACTS **CAT080012867**
RCRA-TSDF
RCRA-SQG

Relative:
Higher
Actual:
48 ft.

SEMS:
Site ID: 0903302
EPA ID: CAT080012867
Cong District: 32
FIPS Code: 06037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Detail:

Region: 09
Site ID: 0903302
EPA ID: CAT080012867
Site Name: HUGHES AIRCRAFT CO.
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 6/17/1991 4:00:00 AM
Qual: D
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903302
EPA ID: CAT080012867
Site Name: HUGHES AIRCRAFT CO.
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-01-01 05:00:00
Finish Date: 1/1/1991 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON SYSTEMS CO (Continued)

1015730703

CORRACTS:

EPA ID: CAT080012867
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA048ST
NAICS Code(s): Not reported
Original schedule date: 1992-01-04 00:00:00.0
Schedule end date: Not reported

EPA ID: CAT080012867
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1992-03-27 00:00:00.0
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080012867
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1992-03-27 00:00:00.0
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080012867
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1991-05-22 00:00:00.0
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080012867
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1991-05-22 00:00:00.0
Action: CA029ST
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080012867
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON SYSTEMS CO (Continued)

1015730703

Area Name: ENTIRE FACILITY
Actual Date: 1991-05-22 00:00:00.0
Action: CA049PA
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 02/18/1998
Facility name: RAYTHEON SYSTEMS CO
Facility address: 1500 HUGHES WAY
LONG BEACH, CA 90810-0399
EPA ID: CAT080012867
Mailing address: PO BOX 90515 BLDG 106 MS 1
LOS ANGELES, CA 90009
Contact: J PATRICK MOHAN
Contact address: 1665 HUGHES WAY
LONG BEACH, CA 90810-0399
Contact country: US
Contact telephone: 310-513-3992
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:

Owner/operator name: RAYTHEON CO
Owner/operator address: 141 SPRING ST
LEXINGTON, MA 02173
Owner/operator country: Not reported
Owner/operator telephone: 781-860-2596
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON SYSTEMS CO (Continued)

1015730703

Used oil transporter: No

Historical Generators:

Date form received by agency: 02/18/1998

Site name: RAYTHEON SYSTEMS CO

Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Site name: RAYTHEON SYSTEMS CO

Classification: Small Quantity Generator

Date form received by agency: 02/21/1992

Site name: HUGHES AIRCRAFT CO/SUPPORT SYS

Classification: Large Quantity Generator

Date form received by agency: 11/18/1980

Site name: RAYTHEON SYSTEMS CO

Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D007

. Waste name: CHROMIUM

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Corrective Action Summary:

Event date: 05/22/1991

Event: LEAD AGENCY DETERMINATION

Event date: 05/22/1991

Event: PA OR CERCLA INSPECTION

Event date: 05/22/1991

Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 03/27/1992

Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON SYSTEMS CO (Continued)

1015730703

Event date: 03/27/1992
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 03/09/2001
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: Not reported
Event: RFA NEED BY ANOTHER AGCY

Facility Has Received Notices of Violations:

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 10/14/1988
Date achieved compliance: 12/27/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 10/14/1988
Date achieved compliance: 12/27/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/14/1988
Date achieved compliance: 12/27/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 10/11/1988
Date achieved compliance: 02/21/1989
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON SYSTEMS CO (Continued)

1015730703

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/13/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 03/17/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/07/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/05/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/14/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/27/1988
Evaluation lead agency: State

Evaluation date: 10/14/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/27/1988
Evaluation lead agency: State

Evaluation date: 10/14/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/27/1999
Evaluation lead agency: State

Evaluation date: 10/11/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 02/21/1989
Evaluation lead agency: State

RCRA-SQG:

Date form received by agency: 02/18/1998
Facility name: RAYTHEON SYSTEMS CO
Facility address: 1500 HUGHES WAY
LONG BEACH, CA 90810-0399

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON SYSTEMS CO (Continued)

1015730703

EPA ID: CAT080012867
Mailing address: PO BOX 90515 BLDG 106 MS 1
LOS ANGELES, CA 90009
Contact: J PATRICK MOHAN
Contact address: 1665 HUGHES WAY
LONG BEACH, CA 90810-0399
Contact country: US
Contact telephone: 310-513-3992
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:

Owner/operator name: RAYTHEON CO
Owner/operator address: 141 SPRING ST
LEXINGTON, MA 02173
Owner/operator country: Not reported
Owner/operator telephone: 781-860-2596
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/18/1998
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

Date form received by agency: 02/21/1992

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON SYSTEMS CO (Continued)

1015730703

Site name: HUGHES AIRCRAFT CO/SUPPORT SYS
Classification: Large Quantity Generator

Date form received by agency: 11/18/1980
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Corrective Action Summary:

Event date: 05/22/1991
Event: LEAD AGENCY DETERMINATION

Event date: 05/22/1991
Event: PA OR CERCLA INSPECTION

Event date: 05/22/1991
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 03/27/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 03/27/1992
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 03/09/2001
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: Not reported
Event: RFA NEED BY ANOTHER AGCY

Facility Has Received Notices of Violations:

Regulation violated: F - 268 ALL
Area of violation: LDR - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON SYSTEMS CO (Continued)

1015730703

Date violation determined: 10/14/1988
Date achieved compliance: 12/27/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 10/14/1988
Date achieved compliance: 12/27/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/14/1988
Date achieved compliance: 12/27/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 10/11/1988
Date achieved compliance: 02/21/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/13/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/17/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON SYSTEMS CO (Continued)

1015730703

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/07/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/05/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/14/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/27/1988
Evaluation lead agency: State

Evaluation date: 10/14/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/27/1988
Evaluation lead agency: State

Evaluation date: 10/14/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/27/1999
Evaluation lead agency: State

Evaluation date: 10/11/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 02/21/1989
Evaluation lead agency: State

E21
WNW
1/2-1
0.545 mi.
2875 ft.

HUGHES TECHNICAL SERVICES COMP
1500,1665 HUGHES WAY
LONG BEACH, CA 90810
Site 2 of 3 in cluster E

ENVIROSTOR
FINDS
EMI
CERS
1005775628
N/A

Relative:
Higher

Actual:
48 ft.

ENVIROSTOR:
Name: RAYTHEON COMPANY
Address: 1500 HUGHES WAY
City,State,Zip: LONG BEACH, CA 908101864
Facility ID: 80001843
Status: No Action Required
Status Date: 05/31/2012
Site Code: 400222
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUGHES TECHNICAL SERVICES COMP (Continued)

1005775628

Lead Agency: WM
Program Manager: Katherine Gould
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.82728
Longitude: -118.2123
APN: 7310016072
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7310016072
Alias Type: APN
Alias Name: CAT080012867
Alias Type: EPA Identification Number
Alias Name: 400222
Alias Type: Project Code (Site Code)
Alias Name: 80001843
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/22/1991
Comments: PA Conducted by USEPA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/27/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/22/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/04/2010
Comments: Not reported

Future Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUGHES TECHNICAL SERVICES COMP (Continued)

1005775628

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

FINDS:

Registry ID: 110002423244

Environmental Interest/Information System
HAZARDOUS AIR POLLUTANT MAJOR

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

EMI:

Name: HUGHES AIRCRAFT CO
Address: 1500,1665 HUGHES WY
City,State,Zip: LONG BEACH, CA 90810
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 17629
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: HUGHES TECHNICAL SERVICES COMP
Address: 1500,1665 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 17629
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUGHES TECHNICAL SERVICES COMP (Continued)

1005775628

NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: HUGHES TECHNICAL SERVICES COMP
Address: 1500,1665 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 17629
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: HUGHES TECHNICAL SERVICES COMP
Address: 1500 1665 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 17629
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: HUGHES TECHNICAL SERVICES COMP
Address: 1500,1665 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 17629
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUGHES TECHNICAL SERVICES COMP (Continued)

1005775628

Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: HUGHES TECHNICAL SERVICES COMP
Address: 1500,1665 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 17629
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: HUGHES TECHNICAL SERVICES COMP
Address: 1500,1665 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 17629
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: HUGHES TECHNICAL SERVICES COMP
Address: 1500,1665 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 17629
Air District Name: SC
SIC Code: 3679

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUGHES TECHNICAL SERVICES COMP (Continued)

1005775628

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: HUGHES TECHNICAL SERVICES COMP
Address: 1500,1665 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 17629
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

CERS:

Name: HUGHES TECHNICAL SERVICES COMP
Address: 1500,1665 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810-1864
Site ID: 473039
CERS ID: 110002423244
CERS Description: US EPA Air Emission Inventory System (EIS)

Name: RAYTHEON COMPANY
Address: 1500 HUGHES WAY
City,State,Zip: LONG BEACH, CA 908101864
Site ID: 213505
CERS ID: 80001843
CERS Description: Corrective Action

Affiliation:

Affiliation Type Desc: Facility Owner
Entity Name: Raytheon Company
Entity Title: Not reported
Affiliation Address: 141 SPRING ST
Affiliation City: LEXINGTON
Affiliation State: MA
Affiliation Country: Not reported
Affiliation Zip: 908100399
Affiliation Phone: 7818602596

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUGHES TECHNICAL SERVICES COMP (Continued)

1005775628

Affiliation Type Desc: Lead Project Manager
Entity Name: KATHERINE GOULD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CYPRESS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Contact
Entity Name: MR J PATRICK MOHAN MGR EHS
Entity Title: Not reported
Affiliation Address: 1665 HUGHES WY A02 2T21
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 908100399
Affiliation Phone: 3109524506

Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: RAYTHEON COMPANY
Address: 1500 HUGHES WAY
City,State,Zip: LONG BEACH, CA 908101864
Site ID: 213505
CERS ID: CAT080012867
CERS Description: Hazardous Waste

Affiliation:

Affiliation Type Desc: Facility Owner
Entity Name: Raytheon Company
Entity Title: Not reported
Affiliation Address: 141 SPRING ST
Affiliation City: LEXINGTON
Affiliation State: MA
Affiliation Country: Not reported
Affiliation Zip: 908100399
Affiliation Phone: 7818602596

Affiliation Type Desc: Lead Project Manager
Entity Name: KATHERINE GOULD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CYPRESS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUGHES TECHNICAL SERVICES COMP (Continued)

1005775628

Affiliation Type Desc: Facility Contact
Entity Name: MR J PATRICK MOHAN MGR EHS
Entity Title: Not reported
Affiliation Address: 1665 HUGHES WY A02 2T21
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 908100399
Affiliation Phone: 3109524506

Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

E22 **HUGHES AIRCRAFT COMPANY-LONG B**
WNW **1500 HUGHES WAY**
1/2-1 **LONG BEACH, CA 90805**
0.545 mi.
2875 ft. **Site 3 of 3 in cluster E**

EMI **1000240985**
HWP **N/A**

Relative:
Higher

Actual:
48 ft.

EMI:
Name: HUGHES AIRCRAFT COMPANY-LONG B
Address: 1500 HUGHES WAY
City,State,Zip: LONG BEACH, CA 908050000
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 70210
Air District Name: SC
SIC Code: 3728
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HWP:
Name: RAYTHEON COMPANY
Address: 1500 HUGHES WAY
City,State,Zip: LONG BEACH, CA 908101864
EPA Id: CAT080012867
Cleanup Status: CLOSED
Latitude: 33.82728
Longitude: -118.2123
Facility Type: Historical - Non-Operating

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUGHES AIRCRAFT COMPANY-LONG B (Continued)

1000240985

Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 400222
Assembly District: 70
Senate District: 35
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAT080012867
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/01/1983

EPA Id: CAT080012867
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/08/1980

Closure:

EPA Id: CAT080012867
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/28/1992

EPA Id: CAT080012867
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 08/01/1992

Alias:

EPA Id: CAT080012867
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 400222

23
WNW
1/2-1
0.696 mi.
3673 ft.

LONG BEACH USD-BOARD BUILDING
1515 HUGHES WAY
LONG BEACH, CA 90810

ENVIROSTOR
SCH
HAZNET
CERS

S113174669
N/A

Relative:
Higher
Actual:
41 ft.

ENVIROSTOR:

Name: LONG BEACH USD MASTER OVERSIGHT AGREEMENT
Address: 1515 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Facility ID: 60002177
Status: Active
Status Date: 03/10/2015
Site Code: 404908
Site Type: School Investigation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH USD-BOARD BUILDING (Continued)

S113174669

Site Type Detailed: School
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Shahir Haddad
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: , 70
Senate: , 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.82890
Longitude: -118.2136
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 404908
Alias Type: Project Code (Site Code)
Alias Name: 60002177
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 11/02/2015
Comments: Copy of fully executed Master VCA sent to District via regular mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 03/21/2016
Comments: Sent Revised Exhibit A to District to replace the exhibit in the Master VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/16/2016
Comments: District requested adding, via email of 06/16/16, two sites to Exhibit A of the Master VCA.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH USD-BOARD BUILDING (Continued)

S113174669

SCH:

Name: LONG BEACH USD MASTER OVERSIGHT AGREEMENT
Address: 1515 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Facility ID: 60002177
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Shahir Haddad
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404908
Assembly: , 70
Senate: , 35
Special Program Status: Not reported
Status: Active
Status Date: 03/10/2015
Restricted Use: NO
Funding: School District
Latitude: 33.82890
Longitude: -118.2136
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 404908
Alias Type: Project Code (Site Code)
Alias Name: 60002177
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 11/02/2015
Comments: Copy of fully executed Master VCA sent to District via regular mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 03/21/2016
Comments: Sent Revised Exhibit A to District to replace the exhibit in the Master VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/16/2016
Comments: District requested adding, via email of 06/16/16, two sites to Exhibit A of the Master VCA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH USD-BOARD BUILDING (Continued)

S113174669

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:

Name: LONG BEACH USD-BOARD BUILDING
Address: 1515 HUGHES WAY
City,State,Zip: LONG BEACH, CA 908100000
Year: 2000
GEPaid: CAR000059451
Contact: RON HOPPE
Telephone: 5629977504
Mailing Name: Not reported
Mailing Address: 2425 WEBSTER AVE
Mailing City,St,Zip: LONG BEACH, CA 90810
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.0425
CA Waste Code: 223-Unspecified oil-containing waste
Method: H01-Transfer Station
Facility County: Los Angeles

Name: LONG BEACH USD-BOARD BUILDING
Address: 1515 HUGHES WAY
City,State,Zip: LONG BEACH, CA 908100000
Year: 2000
GEPaid: CAR000059451
Contact: RON HOPPE
Telephone: 5629977504
Mailing Name: Not reported
Mailing Address: 2425 WEBSTER AVE
Mailing City,St,Zip: LONG BEACH, CA 90810
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.834
CA Waste Code: 223-Unspecified oil-containing waste
Method: T01-Treatment, Tank
Facility County: Los Angeles

CERS:

Name: LONG BEACH USD MASTE
Address: 1515 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Site ID: 339446
CERS ID: 60002177
CERS Description: School Investigation

Affiliation:

Affiliation Type Desc: Lead Project Manager

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH USD-BOARD BUILDING (Continued)

S113174669

Entity Name: SHAHIR HADDAD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CYPRESS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: SHAHIR HADDAD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: ADMINISTRATION BUILDING
Address: 1515 HUGHES WAY
City,State,Zip: LONG BEACH, CA 90810
Site ID: 361558
CERS ID: 10652482
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 361558
Site Name: Administration Building
Violation Date: 10-29-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 01/12/2016. PROVIDE COPY OF CURRENT CUPA AND FIRE PERMIT.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 361558
Site Name: Administration Building
Violation Date: 05-17-2019
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 07/25/2019. OBSERVATION: Owner/Operator failed to review, revise, and re-certify the business plan at least once every year. CORRECTIVE ACTION: Review, revise, and re-certify the business plan at least once every year. Last submittal 12/21/2017.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 361558
Site Name: Administration Building

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH USD-BOARD BUILDING (Continued)

S113174669

Violation Date: 10-29-2015
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/12/2016.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 12-03-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: REINSPECTION FOLLOWING 10/29/2015 ROUTINE. TWO PREVIOUS VIOLATIONS ARE OUTSTANDING. BOTH VIOLATIONS CORRECTED 1/12/2016.
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-16-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to complete a Hazardous Materials Business Plan compliance inspection. Permission to inspect granted by: Terry Cormack Inspection included a review of all hazardous materials on-site, and review of facility submittal in CERS against on-site conditions. Inspection also included verification of current Business License and Operational Permit(s). OBSERVATION: Owner/Operator did not obtain, maintain, and/or properly display a valid Operating Fire Permit for the storage/handling/use of Flammable and Combustible Liquids. CFC 105.1.1 through 105.7.18 CORRECTIVE ACTION: Obtain, maintain, and properly display a valid Operating Fire Permit for the storage/handling/use of Flammable and Combustible Liquids. A fire permit invoice will be sent to your facility, pay all fees due. Business Owner/Operator is responsible for the submittal of additional programs, and to obtain and maintain current applicable business license and operational permit(s) that pertain to the [Truncated]
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-17-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ---Initial Inspection-05-16-2019 ---1st Re-inspection-07-17-2019
Operational Fire Permit for Flammable and Combustible Liquids has been obtained and is current. HMBP submittal via CERS website remains outstanding. Please visit <https://cers.calepa.ca.gov/businesses/> for Hazardous Material Business Plan (HMBP) submittal. Hazardous Materials Business Plan is required to be submitted annually pursuant to California Health and Safety Code (HSC) Chapter 6.95 section 25508(a)(1)(A). Failure to electronically report as required may

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH USD-BOARD BUILDING (Continued)

S113174669

result in administrative, civil, and criminal penalties. Be advised, a re-inspection fee of 150% of the CUPA permit will be assessed if the violations are not corrected prior to the re-inspection date. Re-inspection has been scheduled to occur on or after 07/30/2019.

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-25-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 361558
Facility Name: Administration Building
Env Int Type Code: HMBP
Program ID: 10652482
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.828960
Longitude: -118.213770

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Long Beach Unified School District
Entity Title: Not reported
Affiliation Address: 1515 Hughes Way
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90810
Affiliation Phone: (562) 997-8000

Affiliation Type Desc: Environmental Contact
Entity Name: Terry Cormack
Entity Title: Not reported
Affiliation Address: 2425 Webster Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH USD-BOARD BUILDING (Continued)

S113174669

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1515 Hughes Way
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Long Beach Environmental Heath
Entity Title:	Not reported
Affiliation Address:	2525 Grand Avenue
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90815
Affiliation Phone:	(562) 570-4131
Affiliation Type Desc:	Document Preparer
Entity Name:	Arash Rahdari
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Arash Rahdari
Entity Title:	Agent for Environmental Contact
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Long Beach Unified School District
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 997-8000
Affiliation Type Desc:	Parent Corporation
Entity Name:	Administration Building
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH USD-BOARD BUILDING (Continued)

S113174669

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Long Beach Unified School District
Entity Title: Not reported
Affiliation Address: 1515 Hughes Way
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90810
Affiliation Phone: (562) 997-8000

**24
NW
1/2-1
0.904 mi.
4774 ft.**

**SOUTH REGION HIGH SCHOOL #4 5640019
WEST CARSON STREET/SANTA FE AVENUE
LONG BEACH, CA 90810**

**ENVIROSTOR S107737382
SCH N/A**

**Relative:
Higher

Actual:
42 ft.**

ENVIROSTOR:
Name: SOUTH REGION HIGH SCHOOL #4 5640019
Address: WEST CARSON STREET/SANTA FE AVENUE
City,State,Zip: LONG BEACH, CA 90810
Facility ID: 70000120
Status: No Further Action
Status Date: 06/21/2006
Site Code: 304517
Site Type: School Investigation
Site Type Detailed: School
Acres: 13.67
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.83516
Longitude: -118.2135
APN: 7310-013-901, 7310-015-012, 7310-015-901, 7310013901, 7310015901
Past Use: OFFICE BUILDING, RAILROAD RIGHT OF WAY, RECREATION SERVICES
Potential COC: Arsenic Lead
Confirmed COC: NONE SPECIFIED
Potential Description: IA, SOIL, SV
Alias Name: 7310-013-901
Alias Type: APN
Alias Name: 7310-015-012
Alias Type: APN
Alias Name: 7310-015-901
Alias Type: APN
Alias Name: 7310013901
Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HIGH SCHOOL #4 5640019 (Continued)

S107737382

Alias Name: 7310015901
Alias Type: APN
Alias Name: 304517
Alias Type: Project Code (Site Code)
Alias Name: 70000120
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/16/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/19/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 03/06/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/01/2005
Comments: PEA Draft Joint Use Area

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/01/2005
Comments: Phase 1

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HIGH SCHOOL #4 5640019 (Continued)

S107737382

Schedule Revised Date: Not reported

SCH:

Name: SOUTH REGION HIGH SCHOOL #4 5640019
Address: WEST CARSON STREET/SANTA FE AVENUE
City,State,Zip: LONG BEACH, CA 90810
Facility ID: 70000120
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 13.67
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304517
Assembly: 64
Senate: 35
Special Program Status: Not reported
Status: No Further Action
Status Date: 06/21/2006
Restricted Use: NO
Funding: School District
Latitude: 33.83516
Longitude: -118.2135
APN: 7310-013-901, 7310-015-012, 7310-015-901, 7310013901, 7310015901
Past Use: OFFICE BUILDING, RAILROAD RIGHT OF WAY, RECREATION SERVICES
Potential COC: Arsenic, Lead
Confirmed COC: NONE SPECIFIED
Potential Description: IA, SOIL, SV
Alias Name: 7310-013-901
Alias Type: APN
Alias Name: 7310-015-012
Alias Type: APN
Alias Name: 7310-015-901
Alias Type: APN
Alias Name: 7310013901
Alias Type: APN
Alias Name: 7310015901
Alias Type: APN
Alias Name: 304517
Alias Type: Project Code (Site Code)
Alias Name: 70000120
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION HIGH SCHOOL #4 5640019 (Continued)

S107737382

Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/16/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/19/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 03/06/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/01/2005
Comments: PEA Draft Joint Use Area

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/01/2005
Comments: Phase 1

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	S103878607	K & T LOGISTIC CENTER	2417 CARSON	90810	CPS-SLIC, CERS
CARSON	S105911477	ACTA SOUTH - PARCEL SE-334	CARSON	90810	CPS-SLIC
LONG BEACH	S107535929		710 FREEWAY & PACIFIC COAST HI		CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: N/A
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 12/10/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: N/A
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 12/09/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/09/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: 800-424-9346
Date Made Active in Reports: 11/21/2019	Last EDR Contact: 12/09/2019
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/27/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019	Source: EPA
Date Data Arrived at EDR: 12/16/2019	Telephone: 800-424-9346
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019	Source: Department of the Navy
Date Data Arrived at EDR: 08/20/2019	Telephone: 843-820-7326
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 11/22/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 11/22/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 08/13/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 57

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008

Date Data Arrived at EDR: 07/22/2008

Date Made Active in Reports: 07/31/2008

Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-4834

Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011

Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005

Date Data Arrived at EDR: 02/15/2005

Date Made Active in Reports: 03/28/2005

Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496

Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011

Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003

Date Data Arrived at EDR: 09/10/2003

Date Made Active in Reports: 10/07/2003

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)

Telephone: 530-542-5572

Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001

Date Data Arrived at EDR: 02/28/2001

Date Made Active in Reports: 03/29/2001

Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)

Telephone: 707-570-3769

Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011

Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019

Date Data Arrived at EDR: 09/09/2019

Date Made Active in Reports: 10/31/2019

Number of Days to Update: 52

Source: State Water Resources Control Board

Telephone: see region list

Last EDR Contact: 12/10/2019

Next Scheduled EDR Contact: 03/23/2020

Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004

Date Data Arrived at EDR: 10/20/2004

Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433

Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012

Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003

Date Data Arrived at EDR: 05/19/2003

Date Made Active in Reports: 06/02/2003

Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-542-4786

Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011

Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005

Date Data Arrived at EDR: 06/07/2005

Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365

Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001

Date Data Arrived at EDR: 04/23/2001

Date Made Active in Reports: 05/21/2001

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595

Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012

Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004

Date Data Arrived at EDR: 09/07/2004

Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6710

Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011

Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004

Date Data Arrived at EDR: 02/26/2004

Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 760-776-8943

Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011

Data Release Frequency: No Update Planned

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/08/2019

Date Data Arrived at EDR: 07/30/2019

Date Made Active in Reports: 10/17/2019

Number of Days to Update: 79

Source: EPA, Region 5

Telephone: 312-886-7439

Last EDR Contact: 12/04/2019

Next Scheduled EDR Contact: 02/03/2020

Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/12/2019

Date Data Arrived at EDR: 07/29/2019

Date Made Active in Reports: 10/17/2019

Number of Days to Update: 80

Source: EPA Region 4

Telephone: 404-562-8677

Last EDR Contact: 12/03/2019

Next Scheduled EDR Contact: 02/03/2020

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/01/2019	Source: EPA Region 6
Date Data Arrived at EDR: 07/29/2019	Telephone: 214-665-6597
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 07/02/2019	Source: EPA Region 7
Date Data Arrived at EDR: 10/16/2019	Telephone: 913-551-7003
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 12/16/2020
Number of Days to Update: 8	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2019	Telephone: 415-972-3372
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019	Source: EPA Region 10
Date Data Arrived at EDR: 07/29/2019	Telephone: 206-553-2857
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/02/2019	Source: EPA Region 8
Date Data Arrived at EDR: 10/22/2019	Telephone: 303-312-6271
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/11/2019	Source: EPA Region 1
Date Data Arrived at EDR: 07/29/2019	Telephone: 617-918-1313
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 866-480-1028
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 12/10/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/11/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 07/30/2019	Telephone: 617-918-1313
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2019	Source: EPA Region 9
Date Data Arrived at EDR: 07/29/2019	Telephone: 415-972-3368
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019	Source: EPA Region 8
Date Data Arrived at EDR: 10/22/2019	Telephone: 303-312-6137
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/08/2019	Source: EPA Region 5
Date Data Arrived at EDR: 07/29/2019	Telephone: 312-886-6136
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/12/2019	Source: EPA Region 4
Date Data Arrived at EDR: 07/29/2019	Telephone: 404-562-9424
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/03/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 59

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/01/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/24/2019
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/03/2019	Source: DTSC and SWRCB
Date Data Arrived at EDR: 09/04/2019	Telephone: 916-323-3400
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/26/2019	Telephone: 202-366-4555
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 12/06/2019
Number of Days to Update: 89	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/15/2019	Source: Office of Emergency Services
Date Data Arrived at EDR: 06/24/2019	Telephone: 916-845-8400
Date Made Active in Reports: 08/21/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019	Source: State Water Quality Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 866-480-1028
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 12/10/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 866-480-1028
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 12/10/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012

Date Data Arrived at EDR: 01/03/2013

Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

Source: FirstSearch

Telephone: N/A

Last EDR Contact: 01/03/2013

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/16/2019

Date Data Arrived at EDR: 12/16/2019

Date Made Active in Reports: 12/20/2019

Number of Days to Update: 4

Source: Environmental Protection Agency

Telephone: (415) 495-8895

Last EDR Contact: 12/16/2019

Next Scheduled EDR Contact: 04/06/2020

Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019

Date Data Arrived at EDR: 05/21/2019

Date Made Active in Reports: 08/08/2019

Number of Days to Update: 79

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285

Last EDR Contact: 11/19/2019

Next Scheduled EDR Contact: 03/02/2020

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 11/10/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747

Last EDR Contact: 10/11/2019

Next Scheduled EDR Contact: 01/20/2020

Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018

Date Data Arrived at EDR: 04/11/2018

Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey

Telephone: 888-275-8747

Last EDR Contact: 10/07/2019

Next Scheduled EDR Contact: 01/20/2020

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/08/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/23/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/09/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: 202-564-6023
Date Made Active in Reports: 11/21/2019	Last EDR Contact: 12/09/2019
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 10/11/2019
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/07/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/20/2019	Telephone: 301-415-7169
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 12/04/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/25/2019
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 11/06/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 12/20/2019
Number of Days to Update: 84	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 85

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 10/09/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 72

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2019
Next Scheduled EDR Contact: 01/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/15/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/09/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/27/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 76

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/17/2019
Date Data Arrived at EDR: 09/18/2019
Date Made Active in Reports: 12/03/2019
Number of Days to Update: 76

Source: DOL, Mine Safety & Health Admin
Telephone: 202-693-9424
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 37

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 12/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/20/2019
Number of Days to Update: 71	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 07/06/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2019	Telephone: 202-564-2280
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 10/08/2019
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/19/2019	Source: EPA
Date Data Arrived at EDR: 08/20/2019	Telephone: 800-385-6164
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/19/2019
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/23/2019	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 09/24/2019	Telephone: 916-323-3400
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 12/20/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 10/31/2019	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 11/01/2019	Telephone: 415-252-3896
Date Made Active in Reports: 12/11/2019	Last EDR Contact: 10/31/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/28/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 09/27/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 62

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/18/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/22/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 66

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/30/2019
Next Scheduled EDR Contact: 02/02/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/16/2019	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 08/20/2019	Telephone: 916-341-6066
Date Made Active in Reports: 10/18/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 05/29/2019	Telephone: 916-255-1136
Date Made Active in Reports: 07/22/2019	Last EDR Contact: 10/11/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/19/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/20/2019	Telephone: 877-786-9427
Date Made Active in Reports: 10/18/2019	Last EDR Contact: 11/19/2019
Number of Days to Update: 59	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/19/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/20/2019	Telephone: 916-323-3400
Date Made Active in Reports: 10/18/2019	Last EDR Contact: 11/19/2019
Number of Days to Update: 59	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/07/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/08/2019	Telephone: 916-440-7145
Date Made Active in Reports: 11/07/2019	Last EDR Contact: 10/08/2019
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/09/2019	Source: Department of Conservation
Date Data Arrived at EDR: 09/09/2019	Telephone: 916-322-1080
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 12/10/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 07/19/2019	Source: Department of Public Health
Date Data Arrived at EDR: 09/04/2019	Telephone: 916-558-1784
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/12/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/13/2019	Telephone: 916-445-9379
Date Made Active in Reports: 10/16/2019	Last EDR Contact: 11/12/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/03/2019	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 09/04/2019	Telephone: 916-445-4038
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/09/2019	Source: Department of Conservation
Date Data Arrived at EDR: 09/09/2019	Telephone: 916-323-3836
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 12/10/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/16/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/18/2019	Telephone: 916-445-3846
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 12/11/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/30/2020
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 08/20/2019	Source: Department of Conservation
Date Data Arrived at EDR: 08/20/2019	Telephone: 916-445-2408
Date Made Active in Reports: 11/18/2019	Last EDR Contact: 12/10/2019
Number of Days to Update: 90	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 09/09/2019	Source: State Water Resource Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 866-480-1028
Date Made Active in Reports: 11/01/2019	Last EDR Contact: 12/10/2019
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 07/11/2018	Telephone: 559-445-5577
Date Made Active in Reports: 09/13/2018	Last EDR Contact: 10/11/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 11/14/2019
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 12/17/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 09/09/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 866-480-1028
Date Made Active in Reports: 11/01/2019	Last EDR Contact: 12/10/2019
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 10/03/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 51

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 08/05/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 63

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/03/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/23/2019
Date Made Active in Reports: 10/22/2019
Number of Days to Update: 60

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 43

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/12/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 49

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/08/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 62

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 07/08/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 72

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 10/30/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/06/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 63

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/15/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/22/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/26/2019
Date Data Arrived at EDR: 10/04/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 34

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 57

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/16/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 12/20/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 10/18/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 01/27/2020
	Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 12/20/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 12/20/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/15/2019	Source: Community Health Services
Date Data Arrived at EDR: 07/17/2019	Telephone: 323-890-7806
Date Made Active in Reports: 08/05/2019	Last EDR Contact: 10/29/2019
Number of Days to Update: 19	Next Scheduled EDR Contact: 01/27/2020
	Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 10/09/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/27/2020
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 10/17/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/30/2019	Telephone: 310-618-2973
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 10/17/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/22/2019	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/26/2019	Telephone: 559-675-7823
Date Made Active in Reports: 10/29/2019	Last EDR Contact: 11/14/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 12/19/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2019	Source: Merced County Environmental Health
Date Data Arrived at EDR: 05/30/2019	Telephone: 209-381-1094
Date Made Active in Reports: 07/22/2019	Last EDR Contact: 11/14/2019
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: Varies

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 08/21/2019
Date Data Arrived at EDR: 09/03/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 58

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/25/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 52

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

Date of Government Version: 10/30/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 42

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups Petroleum and non-petroleum spills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 63

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/09/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 61

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/06/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/05/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 61

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/10/2019

Date Data Arrived at EDR: 07/11/2019

Date Made Active in Reports: 09/23/2019

Number of Days to Update: 74

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 12/16/2019

Next Scheduled EDR Contact: 03/30/2020

Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/06/2019

Date Data Arrived at EDR: 10/01/2019

Date Made Active in Reports: 11/07/2019

Number of Days to Update: 37

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 10/01/2019

Next Scheduled EDR Contact: 01/13/2020

Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/07/2019

Date Data Arrived at EDR: 10/01/2019

Date Made Active in Reports: 11/08/2019

Number of Days to Update: 38

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 10/01/2019

Next Scheduled EDR Contact: 01/13/2020

Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 07/16/2019

Date Data Arrived at EDR: 07/16/2019

Date Made Active in Reports: 09/24/2019

Number of Days to Update: 70

Source: San Benito County Environmental Health

Telephone: N/A

Last EDR Contact: 11/14/2019

Next Scheduled EDR Contact: 02/17/2020

Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/29/2019

Date Data Arrived at EDR: 08/30/2019

Date Made Active in Reports: 10/29/2019

Number of Days to Update: 60

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041

Last EDR Contact: 11/04/2019

Next Scheduled EDR Contact: 02/17/2020

Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 10/16/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/05/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.
Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 67

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019

Date Data Arrived at EDR: 06/06/2019

Date Made Active in Reports: 08/13/2019

Number of Days to Update: 68

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770

Last EDR Contact: 11/25/2019

Next Scheduled EDR Contact: 03/16/2020

Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 08/28/2019

Date Data Arrived at EDR: 08/30/2019

Date Made Active in Reports: 10/29/2019

Number of Days to Update: 60

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770

Last EDR Contact: 12/02/2019

Next Scheduled EDR Contact: 03/16/2020

Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 06/18/2019

Date Data Arrived at EDR: 06/25/2019

Date Made Active in Reports: 07/24/2019

Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department

Telephone: 707-565-1174

Last EDR Contact: 12/17/2019

Next Scheduled EDR Contact: 04/06/2020

Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/01/2019

Date Data Arrived at EDR: 10/02/2019

Date Made Active in Reports: 11/07/2019

Number of Days to Update: 36

Source: Department of Health Services

Telephone: 707-565-6565

Last EDR Contact: 12/17/2019

Next Scheduled EDR Contact: 04/06/2020

Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 07/18/2019

Date Data Arrived at EDR: 07/18/2019

Date Made Active in Reports: 09/26/2019

Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection

Telephone: 209-525-6751

Last EDR Contact: 10/28/2019

Next Scheduled EDR Contact: 01/27/2020

Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/29/2019

Date Data Arrived at EDR: 09/03/2019

Date Made Active in Reports: 11/06/2019

Number of Days to Update: 64

Source: Sutter County Environmental Health Services

Telephone: 530-822-7500

Last EDR Contact: 12/02/2019

Next Scheduled EDR Contact: 03/16/2020

Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 64

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 51

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 09/25/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 30

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/18/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

APN 7140-014-025
NOT REPORTED
LONG BEACH, CA 90806

TARGET PROPERTY COORDINATES

Latitude (North):	33.82591 - 33° 49' 33.28"
Longitude (West):	118.202012 - 118° 12' 7.24"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	388765.2
UTM Y (Meters):	3743309.2
Elevation:	40 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5652670 LONG BEACH, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

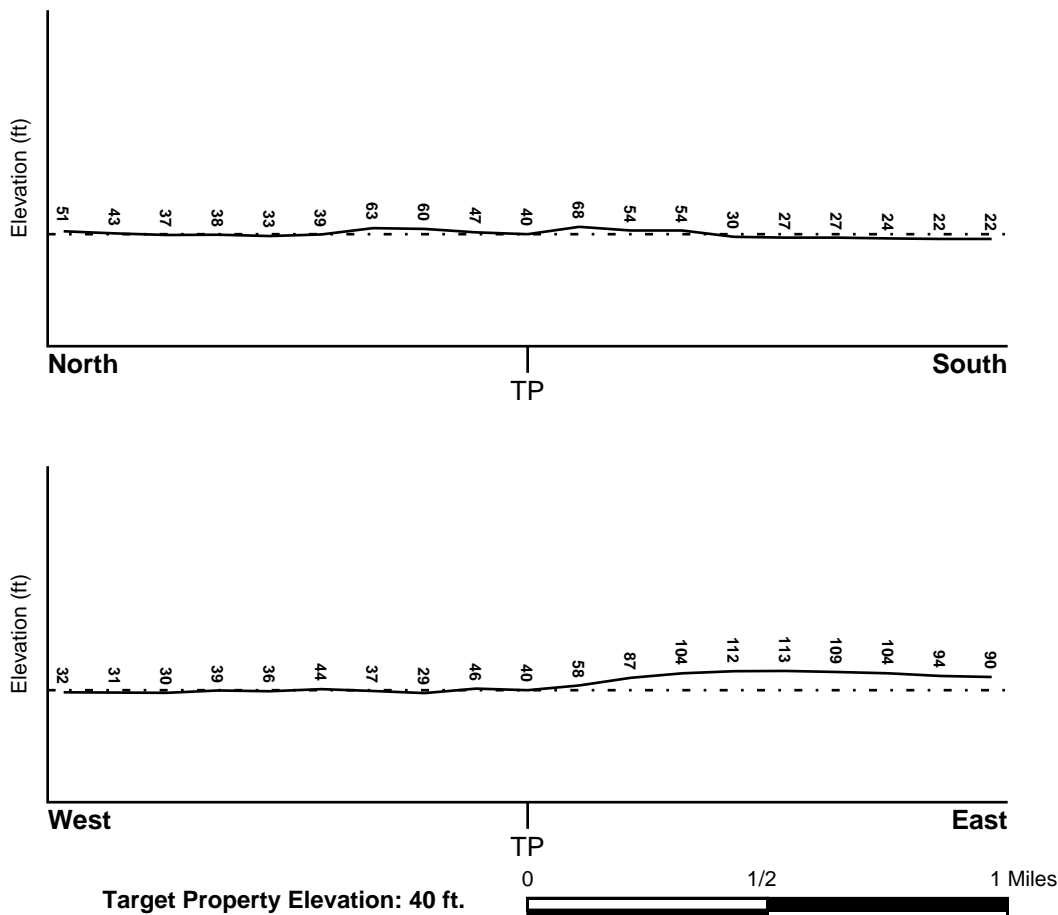
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06037C1955F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06037C1960F	FEMA FIRM Flood data
06037C1962F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NORTH LONG BEACH (OE)	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types: fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types: stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000155024	1/2 - 1 Mile West
2	USGS40000138415	1/2 - 1 Mile SW
3	USGS40000138518	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
4	CA3600767	1/2 - 1 Mile East

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	CAOG13000131319	0 - 1/8 Mile ENE
A2	CAOG13000131323	0 - 1/8 Mile NNW
A3	CAOG13000133439	0 - 1/8 Mile NE
A4	CAOG13000131322	0 - 1/8 Mile NNW
A5	CAOG13000131318	0 - 1/8 Mile NNE
A6	CAOG13000132060	0 - 1/8 Mile SE
A7	CAOG13000131325	0 - 1/8 Mile East
8	CAOG13000133441	0 - 1/8 Mile SSW
B9	CAOG13000131092	0 - 1/8 Mile SE
B10	CAOG13000131326	0 - 1/8 Mile ESE
B11	CAOG13000131091	0 - 1/8 Mile SSE
C12	CAOG13000133498	1/8 - 1/4 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
13	CAOG13000133443	1/8 - 1/4 Mile NE
B14	CAOG13000131327	1/8 - 1/4 Mile ESE
D15	CAOG13000133521	1/8 - 1/4 Mile ESE
16	CAOG13000132772	1/8 - 1/4 Mile North
C17	CAOG13000132963	1/8 - 1/4 Mile NNW
E18	CAOG13000133501	1/8 - 1/4 Mile NNW
E19	CAOG13000132858	1/8 - 1/4 Mile NNW
E20	CAOG13000131984	1/8 - 1/4 Mile NNW
E21	CAOG13000131321	1/8 - 1/4 Mile NNW
D22	CAOG13000132125	1/8 - 1/4 Mile ESE
E23	CAOG13000133519	1/8 - 1/4 Mile NNW
F24	CAOG13000132126	1/4 - 1/2 Mile ESE
E25	CAOG13000133520	1/4 - 1/2 Mile NNW
E26	CAOG13000133541	1/4 - 1/2 Mile NNW
27	CAOG13000133438	1/4 - 1/2 Mile SE
F28	CAOG13000131078	1/4 - 1/2 Mile SE
G29	CAOG13000130894	1/4 - 1/2 Mile East
F30	CAOG13000132127	1/4 - 1/2 Mile ESE
H31	CAOG13000005391	1/4 - 1/2 Mile South
I32	CAOG13000130890	1/4 - 1/2 Mile ENE
F33	CAOG13000132066	1/4 - 1/2 Mile SE
F34	CAOG13000133339	1/4 - 1/2 Mile SE
I35	CAOG13000131411	1/4 - 1/2 Mile ENE
G36	CAOG13000131274	1/4 - 1/2 Mile ESE
G37	CAOG13000130886	1/4 - 1/2 Mile East
G38	CAOG13000132164	1/4 - 1/2 Mile East
I39	CAOG13000133166	1/4 - 1/2 Mile ENE
J40	CAOG13000133340	1/4 - 1/2 Mile ESE
J41	CAOG13000132124	1/4 - 1/2 Mile ESE
42	CAOG13000130788	1/4 - 1/2 Mile North
H43	CAOG13000133442	1/4 - 1/2 Mile South
K44	CAOG13000131910	1/4 - 1/2 Mile ESE
L45	CAOG13000133408	1/4 - 1/2 Mile East
K46	CAOG13000130828	1/4 - 1/2 Mile ESE
K47	CAOG13000132337	1/4 - 1/2 Mile ESE
L48	CAOG13000133204	1/4 - 1/2 Mile East
K49	CAOG13000132874	1/4 - 1/2 Mile East
K50	CAOG13000131702	1/4 - 1/2 Mile ESE
I51	CAOG13000132188	1/4 - 1/2 Mile East
K52	CAOG13000132025	1/4 - 1/2 Mile East
L53	CAOG13000131415	1/4 - 1/2 Mile East
M54	CAOG13000130888	1/4 - 1/2 Mile ENE
55	CAOG13000132879	1/4 - 1/2 Mile NE
J56	CAOG13000132121	1/4 - 1/2 Mile ESE
J57	CAOG13000133341	1/4 - 1/2 Mile SE
K58	CAOG13000131416	1/4 - 1/2 Mile ESE
K59	CAOG13000131275	1/4 - 1/2 Mile ESE
L60	CAOG13000131549	1/4 - 1/2 Mile East
K61	CAOG13000131980	1/4 - 1/2 Mile ESE
K62	CAOG13000131336	1/4 - 1/2 Mile East
K63	CAOG13000131553	1/4 - 1/2 Mile ESE
L64	CAOG13000132186	1/4 - 1/2 Mile East
L65	CAOG13000131676	1/4 - 1/2 Mile East
K66	CAOG13000131580	1/4 - 1/2 Mile ESE
L67	CAOG13000130883	1/4 - 1/2 Mile East
M68	CAOG13000132894	1/4 - 1/2 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
K69	CAOG13000130790	1/4 - 1/2 Mile ESE
M70	CAOG13000133414	1/4 - 1/2 Mile ENE
K71	CAOG13000131226	1/4 - 1/2 Mile ESE
N72	CAOG13000131701	1/4 - 1/2 Mile ESE
O73	CAOG13000132123	1/4 - 1/2 Mile SE
O74	CAOG13000132086	1/4 - 1/2 Mile SE
P75	CAOG13000132573	1/4 - 1/2 Mile ENE
P76	CAOG13000131196	1/4 - 1/2 Mile East
N77	CAOG13000131979	1/4 - 1/2 Mile ESE
78	CAOG13000133440	1/4 - 1/2 Mile SSE
P79	CAOG13000132209	1/4 - 1/2 Mile ENE
O80	CAOG13000132212	1/4 - 1/2 Mile SE
N81	CAOG13000131556	1/4 - 1/2 Mile ESE
Q82	CAOG13000130741	1/4 - 1/2 Mile East
N83	CAOG13000130908	1/4 - 1/2 Mile ESE
Q84	CAOG13000130737	1/4 - 1/2 Mile East
Q85	CAOG13000132187	1/4 - 1/2 Mile East
Q86	CAOG13000130740	1/4 - 1/2 Mile East
87	CAOG13000131499	1/4 - 1/2 Mile NW
R88	CAOG13000132837	1/4 - 1/2 Mile ESE
S89	CAOG13000130885	1/4 - 1/2 Mile ENE
O90	CAOG13000131076	1/4 - 1/2 Mile SE
P91	CAOG13000133084	1/4 - 1/2 Mile East
O92	CAOG13000132073	1/4 - 1/2 Mile SE
Q93	CAOG13000131333	1/4 - 1/2 Mile East
R94	CAOG13000132285	1/4 - 1/2 Mile ESE
P95	CAOG13000130889	1/4 - 1/2 Mile ENE
Q96	CAOG13000131564	1/4 - 1/2 Mile East
S97	CAOG13000131339	1/4 - 1/2 Mile ENE
Q98	CAOG13000131338	1/4 - 1/2 Mile East
P99	CAOG13000133398	1/4 - 1/2 Mile ENE
Q100	CAOG13000131316	1/4 - 1/2 Mile East
O101	CAOG13000132064	1/4 - 1/2 Mile SE
P102	CAOG13000131295	1/2 - 1 Mile East
Q103	CAOG13000132095	1/4 - 1/2 Mile East
O104	CAOG13000130738	1/2 - 1 Mile ESE
T105	CAOG13000131562	1/2 - 1 Mile SSE
Q106	CAOG13000131340	1/2 - 1 Mile East
R107	CAOG13000131930	1/2 - 1 Mile East
U108	CAOG13000132211	1/2 - 1 Mile SE
V109	CAOG13000130897	1/2 - 1 Mile ESE
W110	CAOG13000131796	1/2 - 1 Mile East
U111	CAOG13000131073	1/2 - 1 Mile SE
W112	CAOG13000132181	1/2 - 1 Mile East
W113	CAOG13000132231	1/2 - 1 Mile East
R114	CAOG13000132627	1/2 - 1 Mile ESE
R115	CAOG13000132628	1/2 - 1 Mile ESE
U116	CAOG13000132065	1/2 - 1 Mile SE
Q117	CAOG13000132284	1/2 - 1 Mile East
X118	CAOG13000005718	1/2 - 1 Mile South
Q119	CAOG13000132208	1/2 - 1 Mile East
V120	CAOG13000132579	1/2 - 1 Mile ESE
121	CAOG13000005349	1/2 - 1 Mile SSE
T122	CAOG13000132122	1/2 - 1 Mile SE
V123	CAOG13000133208	1/2 - 1 Mile ESE
X124	CAOG13000005719	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
V125	CAOG13000132947	1/2 - 1 Mile ESE
126	CAOG13000132230	1/2 - 1 Mile ENE
V127	CAOG13000131005	1/2 - 1 Mile ESE
W128	CAOG13000131401	1/2 - 1 Mile East
W129	CAOG13000131167	1/2 - 1 Mile East
W130	CAOG13000131797	1/2 - 1 Mile East
V131	CAOG13000132625	1/2 - 1 Mile ESE
Y132	CAOG13000132983	1/2 - 1 Mile East
Y133	CAOG13000130887	1/2 - 1 Mile East
Y134	CAOG13000132982	1/2 - 1 Mile East
U135	CAOG13000132205	1/2 - 1 Mile SE
136	CAOG13000131206	1/2 - 1 Mile NW
Y137	CAOG13000132289	1/2 - 1 Mile ESE
W138	CAOG13000132018	1/2 - 1 Mile East
Y139	CAOG13000132110	1/2 - 1 Mile East
U140	CAOG13000132062	1/2 - 1 Mile SE
W141	CAOG13000132984	1/2 - 1 Mile East
Z142	CAOG13000132624	1/2 - 1 Mile ESE
Y143	CAOG13000131096	1/2 - 1 Mile East
U144	CAOG13000131738	1/2 - 1 Mile SE
V145	CAOG13000132978	1/2 - 1 Mile ESE
AA146	CAOG13000131320	1/2 - 1 Mile NNW
Y147	CAOG13000131403	1/2 - 1 Mile East
U148	CAOG13000132248	1/2 - 1 Mile SE
W149	CAOG13000132598	1/2 - 1 Mile East
AA150	CAOG13000133279	1/2 - 1 Mile NW
Z151	CAOG13000131026	1/2 - 1 Mile ESE
AB152	CAOG13000131107	1/2 - 1 Mile ESE
U153	CAOG13000132063	1/2 - 1 Mile SE
U154	CAOG13000132300	1/2 - 1 Mile SE
U155	CAOG13000132247	1/2 - 1 Mile SE
Y156	CAOG13000131337	1/2 - 1 Mile East
V157	CAOG13000131465	1/2 - 1 Mile ESE
U158	CAOG13000133178	1/2 - 1 Mile SE
AB159	CAOG13000133333	1/2 - 1 Mile ESE
Y160	CAOG13000132626	1/2 - 1 Mile ESE
Y161	CAOG13000132030	1/2 - 1 Mile ESE
AC162	CAOG13000131911	1/2 - 1 Mile East
AB163	CAOG13000131597	1/2 - 1 Mile ESE
164	CAOG13000133280	1/2 - 1 Mile NW
Z165	CAOG13000131029	1/2 - 1 Mile ESE
Y166	CAOG13000131051	1/2 - 1 Mile East
AD167	CAOG13000131832	1/2 - 1 Mile SE
AB168	CAOG13000131050	1/2 - 1 Mile ESE
Z169	CAOG13000130787	1/2 - 1 Mile ESE
Z170	CAOG13000131420	1/2 - 1 Mile ESE
AB171	CAOG13000131074	1/2 - 1 Mile SE
Y172	CAOG13000131317	1/2 - 1 Mile East
AC173	CAOG13000131711	1/2 - 1 Mile East
AD174	CAOG13000131088	1/2 - 1 Mile SE
175	CAOG13000131565	1/2 - 1 Mile ENE
Y176	CAOG13000131405	1/2 - 1 Mile East
AC177	CAOG13000131645	1/2 - 1 Mile East
AD178	CAOG13000131833	1/2 - 1 Mile SE
AB179	CAOG13000132590	1/2 - 1 Mile ESE
Z180	CAOG13000132820	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Z181	CAOG13000130901	1/2 - 1 Mile ESE
AE182	CAOG13000131419	1/2 - 1 Mile ESE
AF183	CAOG13000131407	1/2 - 1 Mile East
AF184	CAOG13000132010	1/2 - 1 Mile East
AB185	CAOG13000132206	1/2 - 1 Mile ESE
AD186	CAOG13000132074	1/2 - 1 Mile SE
AE187	CAOG13000131811	1/2 - 1 Mile ESE
AB188	CAOG13000132224	1/2 - 1 Mile ESE
AC189	CAOG13000131561	1/2 - 1 Mile East
Z190	CAOG13000132339	1/2 - 1 Mile ESE
AD191	CAOG13000133089	1/2 - 1 Mile SE
AF192	CAOG13000131303	1/2 - 1 Mile East
AE193	CAOG13000131304	1/2 - 1 Mile ESE
AF194	CAOG13000131655	1/2 - 1 Mile ESE
AC195	CAOG13000132836	1/2 - 1 Mile East
AF196	CAOG13000131049	1/2 - 1 Mile East
AE197	CAOG13000131278	1/2 - 1 Mile ESE
AF198	CAOG13000132822	1/2 - 1 Mile East
AF199	CAOG13000133081	1/2 - 1 Mile East
AD200	CAOG13000131830	1/2 - 1 Mile SE
AG201	CAOG13000133515	1/2 - 1 Mile NNW
AE202	CAOG13000131279	1/2 - 1 Mile ESE
AD203	CAOG13000133397	1/2 - 1 Mile SE
AC204	CAOG13000130891	1/2 - 1 Mile East
AE205	CAOG13000131354	1/2 - 1 Mile ESE
AE206	CAOG13000133427	1/2 - 1 Mile ESE
AF207	CAOG13000132338	1/2 - 1 Mile ESE
AH208	CAOG13000131421	1/2 - 1 Mile ESE
AH209	CAOG13000133428	1/2 - 1 Mile ESE
AI210	CAOG13000132045	1/2 - 1 Mile SE
AG211	CAOG13000132539	1/2 - 1 Mile NNW
AD212	CAOG13000131480	1/2 - 1 Mile SE
AE213	CAOG13000132295	1/2 - 1 Mile ESE
AG214	CAOG13000005935	1/2 - 1 Mile NNW
AE215	CAOG13000132990	1/2 - 1 Mile ESE
AJ216	CAOG13000131273	1/2 - 1 Mile ESE
AF217	CAOG13000132249	1/2 - 1 Mile East
AI218	CAOG13000132794	1/2 - 1 Mile SE
AH219	CAOG13000131408	1/2 - 1 Mile ESE
AI220	CAOG13000132075	1/2 - 1 Mile SE
AF221	CAOG13000131445	1/2 - 1 Mile ESE
AK222	CAOG13000131111	1/2 - 1 Mile SE
AH223	CAOG13000132329	1/2 - 1 Mile ESE
AJ224	CAOG13000132987	1/2 - 1 Mile ESE
AK225	CAOG13000131216	1/2 - 1 Mile SSE
AH226	CAOG13000131851	1/2 - 1 Mile ESE
AG227	CAOG13000133513	1/2 - 1 Mile NNW
AL228	CAOG13000131687	1/2 - 1 Mile SE
AJ229	CAOG13000130881	1/2 - 1 Mile ESE
AJ230	CAOG13000131277	1/2 - 1 Mile ESE
AH231	CAOG13000132001	1/2 - 1 Mile ESE
AJ232	CAOG13000131276	1/2 - 1 Mile ESE
AI233	CAOG13000132040	1/2 - 1 Mile SE
AM234	CAOG13000132250	1/2 - 1 Mile East
235	CAOG13000133514	1/2 - 1 Mile NNW
236	CAOG13000005720	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AH237	CAOG13000131993	1/2 - 1 Mile ESE
AM238	CAOG13000132155	1/2 - 1 Mile East
AK239	CAOG13000131831	1/2 - 1 Mile SE
AL240	CAOG13000133403	1/2 - 1 Mile SE
AK241	CAOG13000132798	1/2 - 1 Mile SE
AJ242	CAOG13000132594	1/2 - 1 Mile ESE
AL243	CAOG13000132204	1/2 - 1 Mile SE
AN244	CAOG13000131566	1/2 - 1 Mile East
AJ245	CAOG13000132218	1/2 - 1 Mile ESE
AO246	CAOG13000132026	1/2 - 1 Mile ESE
AL247	CAOG13000131018	1/2 - 1 Mile SE
AH248	CAOG13000130884	1/2 - 1 Mile ESE
AK249	CAOG13000132582	1/2 - 1 Mile SE
AN250	CAOG13000131016	1/2 - 1 Mile ESE
AH251	CAOG13000133317	1/2 - 1 Mile ESE
AJ252	CAOG13000131024	1/2 - 1 Mile ESE
AH253	CAOG13000132773	1/2 - 1 Mile ESE
AL254	CAOG13000132214	1/2 - 1 Mile SE
AP255	CAOG13000132067	1/2 - 1 Mile SE
AK256	CAOG13000131006	1/2 - 1 Mile SE
AJ257	CAOG13000132207	1/2 - 1 Mile ESE
AJ258	CAOG13000131692	1/2 - 1 Mile ESE
AJ259	CAOG13000132251	1/2 - 1 Mile ESE
AL260	CAOG13000131008	1/2 - 1 Mile SE
AO261	CAOG13000132024	1/2 - 1 Mile ESE
AL262	CAOG13000131524	1/2 - 1 Mile SE
AJ263	CAOG13000131418	1/2 - 1 Mile ESE
AM264	CAOG13000131794	1/2 - 1 Mile East
AP265	CAOG13000131164	1/2 - 1 Mile ESE
AL266	CAOG13000133164	1/2 - 1 Mile SE
AO267	CAOG13000132597	1/2 - 1 Mile ESE
268	CAOG13000005217	1/2 - 1 Mile NW
AO269	CAOG13000133104	1/2 - 1 Mile ESE
AM270	CAOG13000131792	1/2 - 1 Mile East
AJ271	CAOG13000133365	1/2 - 1 Mile ESE
AQ272	CAOG13000133364	1/2 - 1 Mile ESE
AP273	CAOG13000131736	1/2 - 1 Mile ESE
AL274	CAOG13000130998	1/2 - 1 Mile SE
AN275	CAOG13000132840	1/2 - 1 Mile East
AO276	CAOG13000133083	1/2 - 1 Mile ESE
AN277	CAOG13000133419	1/2 - 1 Mile ESE
AL278	CAOG13000132793	1/2 - 1 Mile SE
AL279	CAOG13000131000	1/2 - 1 Mile SE
AO280	CAOG13000131310	1/2 - 1 Mile ESE
AP281	CAOG13000132047	1/2 - 1 Mile SE
AR282	CAOG13000131002	1/2 - 1 Mile SE
AN283	CAOG13000131432	1/2 - 1 Mile ESE
AP284	CAOG13000133516	1/2 - 1 Mile ESE
AO285	CAOG13000130930	1/2 - 1 Mile ESE
AN286	CAOG13000131181	1/2 - 1 Mile ESE
AM287	CAOG13000131793	1/2 - 1 Mile East
AQ288	CAOG13000130779	1/2 - 1 Mile ESE
AP289	CAOG13000131081	1/2 - 1 Mile SE
AR290	CAOG13000131931	1/2 - 1 Mile SE
AO291	CAOG13000130958	1/2 - 1 Mile ESE
AN292	CAOG13000131997	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AP293	CAOG13000131114	1/2 - 1 Mile ESE
AO294	CAOG13000131829	1/2 - 1 Mile ESE
AN295	CAOG13000130762	1/2 - 1 Mile East
AS296	CAOG13000133328	1/2 - 1 Mile ESE
AM297	CAOG13000131094	1/2 - 1 Mile East
AN298	CAOG13000131795	1/2 - 1 Mile ESE
AO299	CAOG13000131721	1/2 - 1 Mile ESE
AR300	CAOG13000133383	1/2 - 1 Mile SE
AS301	CAOG13000131227	1/2 - 1 Mile ESE
AT302	CAOG13000131071	1/2 - 1 Mile SE
AP303	CAOG13000132079	1/2 - 1 Mile SE
AR304	CAOG13000130999	1/2 - 1 Mile SE
AN305	CAOG13000133090	1/2 - 1 Mile East
AS306	CAOG13000131180	1/2 - 1 Mile ESE
AT307	CAOG13000131663	1/2 - 1 Mile SE
AQ308	CAOG13000133174	1/2 - 1 Mile ESE
AS309	CAOG13000131493	1/2 - 1 Mile ESE
AN310	CAOG13000132572	1/2 - 1 Mile ESE
AR311	CAOG13000131004	1/2 - 1 Mile SE
AR312	CAOG13000130939	1/2 - 1 Mile SE
AP313	CAOG13000130895	1/2 - 1 Mile ESE
AQ314	CAOG13000132006	1/2 - 1 Mile ESE
AQ315	CAOG13000131588	1/2 - 1 Mile ESE
AS316	CAOG13000132183	1/2 - 1 Mile ESE
AQ317	CAOG13000131600	1/2 - 1 Mile ESE
AS318	CAOG13000131404	1/2 - 1 Mile ESE
AS319	CAOG13000131798	1/2 - 1 Mile ESE
AP320	CAOG13000130758	1/2 - 1 Mile ESE
AS321	CAOG13000130957	1/2 - 1 Mile ESE
AR322	CAOG13000133381	1/2 - 1 Mile SE
AT323	CAOG13000133357	1/2 - 1 Mile SE
AS324	CAOG13000131492	1/2 - 1 Mile ESE
AR325	CAOG13000131503	1/2 - 1 Mile SE
AU326	CAOG13000131889	1/2 - 1 Mile ESE
AQ327	CAOG13000133337	1/2 - 1 Mile ESE
AU328	CAOG13000130802	1/2 - 1 Mile ESE
AS329	CAOG13000130854	1/2 - 1 Mile ESE
AR330	CAOG13000130994	1/2 - 1 Mile SE
AP331	CAOG13000131630	1/2 - 1 Mile SE
AU332	CAOG13000132860	1/2 - 1 Mile ESE
AV333	CAOG13000132226	1/2 - 1 Mile SE
AT334	CAOG13000132049	1/2 - 1 Mile SE
AU335	CAOG13000130717	1/2 - 1 Mile ESE
AV336	CAOG13000131412	1/2 - 1 Mile SE
AS337	CAOG13000132091	1/2 - 1 Mile ESE
AS338	CAOG13000132190	1/2 - 1 Mile ESE
AR339	CAOG13000131502	1/2 - 1 Mile SE
AT340	CAOG13000131079	1/2 - 1 Mile SE
AR341	CAOG13000130995	1/2 - 1 Mile SE
AV342	CAOG13000133336	1/2 - 1 Mile SE
AQ343	CAOG13000130763	1/2 - 1 Mile ESE
AS344	CAOG13000131827	1/2 - 1 Mile ESE
AS345	CAOG13000132821	1/2 - 1 Mile ESE
AS346	CAOG13000130959	1/2 - 1 Mile ESE
AW347	CAOG13000131788	1/2 - 1 Mile East
AX348	CAOG13000131007	1/2 - 1 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
349	CAOG13000131584	1/2 - 1 Mile East
AV350	CAOG13000132008	1/2 - 1 Mile ESE
AU351	CAOG13000130774	1/2 - 1 Mile ESE
AS352	CAOG13000133421	1/2 - 1 Mile ESE
AU353	CAOG13000131355	1/2 - 1 Mile ESE
AW354	CAOG13000132586	1/2 - 1 Mile East
AU355	CAOG13000132259	1/2 - 1 Mile ESE
AU356	CAOG13000131964	1/2 - 1 Mile ESE
AS357	CAOG13000131888	1/2 - 1 Mile ESE
AR358	CAOG13000130935	1/2 - 1 Mile SE
AY359	CAOG13000130861	1/2 - 1 Mile SE
AX360	CAOG13000131622	1/2 - 1 Mile SE
AW361	CAOG13000131606	1/2 - 1 Mile ESE
AS362	CAOG13000132841	1/2 - 1 Mile ESE
AZ363	CAOG13000130914	1/2 - 1 Mile ESE
AU364	CAOG13000131883	1/2 - 1 Mile ESE
AZ365	CAOG13000131116	1/2 - 1 Mile ESE
AW366	CAOG13000131560	1/2 - 1 Mile East
AV367	CAOG13000131356	1/2 - 1 Mile ESE
AX368	CAOG13000131375	1/2 - 1 Mile SE
AU369	CAOG13000133278	1/2 - 1 Mile ESE
AY370	CAOG13000131209	1/2 - 1 Mile SE
AY371	CAOG13000131208	1/2 - 1 Mile SE
BA372	CAOG13000131292	1/2 - 1 Mile ESE
AY373	CAOG13000133165	1/2 - 1 Mile SE
AZ374	CAOG13000131284	1/2 - 1 Mile ESE
AV375	CAOG13000131882	1/2 - 1 Mile SE
AU376	CAOG13000131863	1/2 - 1 Mile ESE
AY377	CAOG13000132014	1/2 - 1 Mile SE
AV378	CAOG13000131090	1/2 - 1 Mile SE
AZ379	CAOG13000131115	1/2 - 1 Mile ESE
BA380	CAOG13000132225	1/2 - 1 Mile ESE
AY381	CAOG13000130927	1/2 - 1 Mile SE
AV382	CAOG13000131598	1/2 - 1 Mile ESE
BA383	CAOG13000132819	1/2 - 1 Mile ESE
AU384	CAOG13000130808	1/2 - 1 Mile ESE
AU385	CAOG13000131718	1/2 - 1 Mile ESE
AY386	CAOG13000132071	1/2 - 1 Mile SE
AY387	CAOG13000132072	1/2 - 1 Mile SE
AV388	CAOG13000131012	1/2 - 1 Mile ESE
AZ389	CAOG13000131028	1/2 - 1 Mile ESE
BA390	CAOG13000131978	1/2 - 1 Mile ESE
AZ391	CAOG13000131386	1/2 - 1 Mile ESE
AY392	CAOG13000131155	1/2 - 1 Mile SE
AZ393	CAOG13000131924	1/2 - 1 Mile ESE
AW394	CAOG13000131722	1/2 - 1 Mile ESE
AV395	CAOG13000131881	1/2 - 1 Mile SE
BA396	CAOG13000132090	1/2 - 1 Mile ESE
BA397	CAOG13000132034	1/2 - 1 Mile ESE
AY398	CAOG13000130996	1/2 - 1 Mile SE
BB399	CAOG13000131880	1/2 - 1 Mile SE
BC400	CAOG13000130882	1/2 - 1 Mile ESE
BC401	CAOG13000131382	1/2 - 1 Mile ESE
BA402	CAOG13000132228	1/2 - 1 Mile ESE
AX403	CAOG13000133079	1/2 - 1 Mile SE
AZ404	CAOG13000131138	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

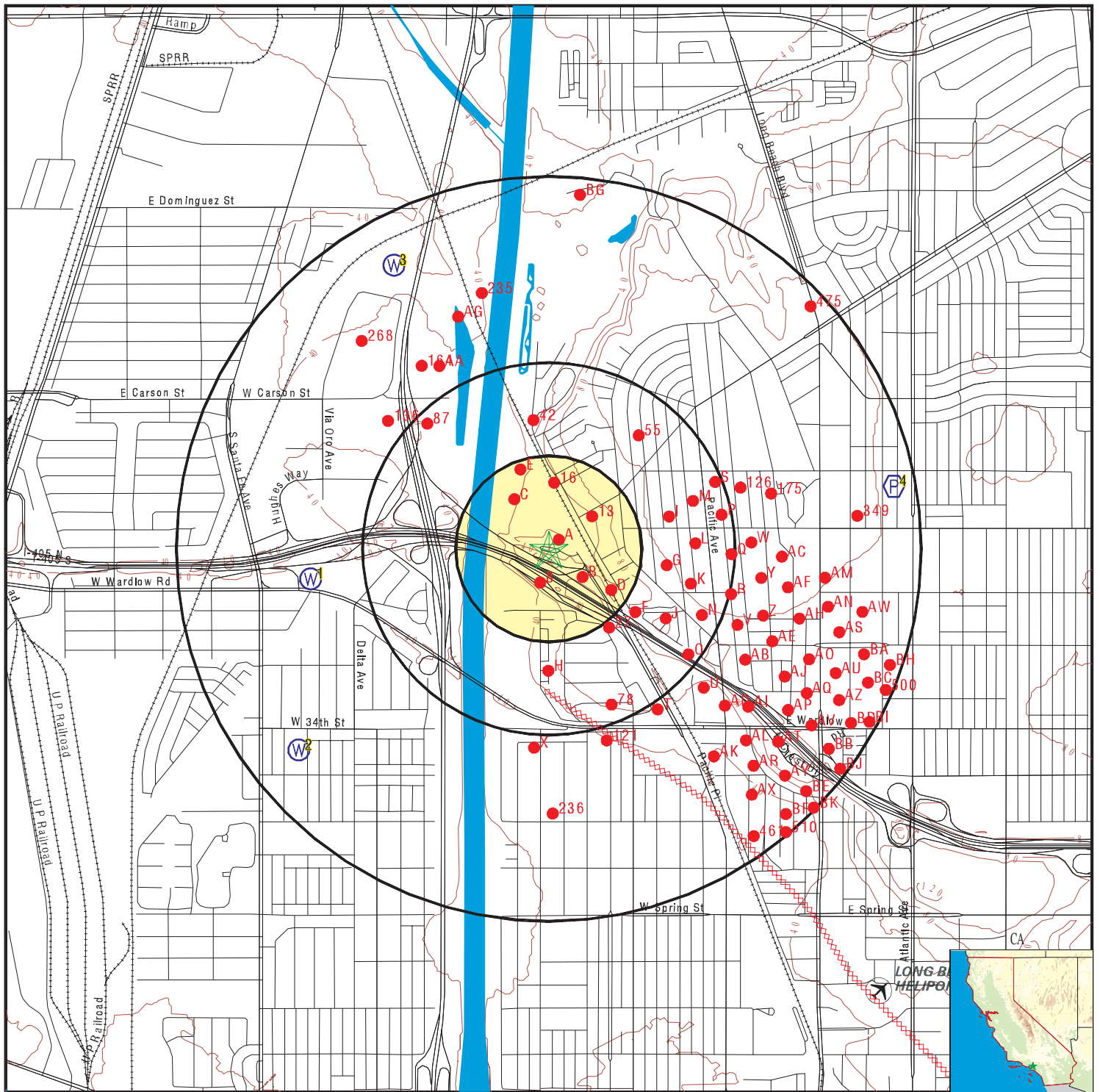
MAP ID	WELL ID	LOCATION FROM TP
BD405	CAOG13000131009	1/2 - 1 Mile ESE
AY406	CAOG13000131390	1/2 - 1 Mile SE
AY407	CAOG13000131522	1/2 - 1 Mile SE
AZ408	CAOG13000131126	1/2 - 1 Mile ESE
BB409	CAOG13000133399	1/2 - 1 Mile SE
AZ410	CAOG13000130968	1/2 - 1 Mile ESE
BA411	CAOG13000130960	1/2 - 1 Mile ESE
AY412	CAOG13000131595	1/2 - 1 Mile SE
BB413	CAOG13000131025	1/2 - 1 Mile ESE
BA414	CAOG13000131467	1/2 - 1 Mile ESE
BB415	CAOG13000131072	1/2 - 1 Mile SE
BA416	CAOG13000131183	1/2 - 1 Mile ESE
AW417	CAOG13000133356	1/2 - 1 Mile East
BB418	CAOG13000130847	1/2 - 1 Mile ESE
BB419	CAOG13000131414	1/2 - 1 Mile SE
AY420	CAOG13000131128	1/2 - 1 Mile SE
BA421	CAOG13000131693	1/2 - 1 Mile ESE
BE422	CAOG13000133163	1/2 - 1 Mile SE
AZ423	CAOG13000132162	1/2 - 1 Mile ESE
AY424	CAOG13000131590	1/2 - 1 Mile SE
BC425	CAOG13000132089	1/2 - 1 Mile ESE
BC426	CAOG13000131925	1/2 - 1 Mile ESE
BD427	CAOG13000130846	1/2 - 1 Mile ESE
BB428	CAOG13000131089	1/2 - 1 Mile SE
BB429	CAOG13000131283	1/2 - 1 Mile SE
BC430	CAOG13000130809	1/2 - 1 Mile ESE
BF431	CAOG13000131257	1/2 - 1 Mile SE
BE432	CAOG13000131324	1/2 - 1 Mile SE
BA433	CAOG13000130791	1/2 - 1 Mile ESE
BB434	CAOG13000132593	1/2 - 1 Mile ESE
BG435	CAOG13000005438	1/2 - 1 Mile North
BB436	CAOG13000131309	1/2 - 1 Mile ESE
BC437	CAOG13000131430	1/2 - 1 Mile ESE
BA438	CAOG13000132880	1/2 - 1 Mile ESE
BC439	CAOG13000131429	1/2 - 1 Mile ESE
BE440	CAOG13000131958	1/2 - 1 Mile SE
BF441	CAOG13000133312	1/2 - 1 Mile SE
BC442	CAOG13000130817	1/2 - 1 Mile ESE
BE443	CAOG13000131174	1/2 - 1 Mile SE
BC444	CAOG13000130878	1/2 - 1 Mile ESE
BD445	CAOG13000131269	1/2 - 1 Mile ESE
BB446	CAOG13000131433	1/2 - 1 Mile ESE
BB447	CAOG13000131649	1/2 - 1 Mile SE
BB448	CAOG13000133231	1/2 - 1 Mile SE
BC449	CAOG13000132562	1/2 - 1 Mile ESE
BE450	CAOG13000131228	1/2 - 1 Mile SE
BC451	CAOG13000133213	1/2 - 1 Mile ESE
BF452	CAOG13000131367	1/2 - 1 Mile SE
BD453	CAOG13000131117	1/2 - 1 Mile ESE
BE454	CAOG13000132223	1/2 - 1 Mile SE
BC455	CAOG13000131285	1/2 - 1 Mile ESE
BF456	CAOG13000131256	1/2 - 1 Mile SE
BF457	CAOG13000131548	1/2 - 1 Mile SE
BF458	CAOG13000131364	1/2 - 1 Mile SE
BB459	CAOG13000133219	1/2 - 1 Mile SE
BB460	CAOG13000131065	1/2 - 1 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
461	CAOG13000131578	1/2 - 1 Mile SE
BF462	CAOG13000130765	1/2 - 1 Mile SE
BD463	CAOG13000132002	1/2 - 1 Mile ESE
BC464	CAOG13000131315	1/2 - 1 Mile ESE
BE465	CAOG13000131472	1/2 - 1 Mile SE
BE466	CAOG13000131872	1/2 - 1 Mile SE
BH467	CAOG13000131961	1/2 - 1 Mile ESE
BB468	CAOG13000132068	1/2 - 1 Mile SE
BD469	CAOG13000131013	1/2 - 1 Mile ESE
BF470	CAOG13000132238	1/2 - 1 Mile SE
BF471	CAOG13000131571	1/2 - 1 Mile SE
BE472	CAOG13000131473	1/2 - 1 Mile SE
BE473	CAOG13000131936	1/2 - 1 Mile SE
BE474	CAOG13000131937	1/2 - 1 Mile SE
475	CAOG13000005549	1/2 - 1 Mile NE
BC476	CAOG13000131027	1/2 - 1 Mile ESE
BE477	CAOG13000131940	1/2 - 1 Mile SE
BC478	CAOG13000131015	1/2 - 1 Mile ESE
BH479	CAOG13000130853	1/2 - 1 Mile ESE
BF480	CAOG13000131252	1/2 - 1 Mile SE
BE481	CAOG13000133281	1/2 - 1 Mile SE
BF482	CAOG13000131812	1/2 - 1 Mile SE
BD483	CAOG13000130845	1/2 - 1 Mile ESE
BI484	CAOG13000131103	1/2 - 1 Mile ESE
BB485	CAOG13000132044	1/2 - 1 Mile SE
BI486	CAOG13000130896	1/2 - 1 Mile ESE
BH487	CAOG13000132237	1/2 - 1 Mile ESE
BF488	CAOG13000131954	1/2 - 1 Mile SE
BH489	CAOG13000132182	1/2 - 1 Mile ESE
BJ490	CAOG13000131075	1/2 - 1 Mile SE
BH491	CAOG13000131591	1/2 - 1 Mile ESE
BI492	CAOG13000130822	1/2 - 1 Mile ESE
BI493	CAOG13000131434	1/2 - 1 Mile ESE
BI494	CAOG13000131373	1/2 - 1 Mile ESE
BH495	CAOG13000133216	1/2 - 1 Mile ESE
BH496	CAOG13000130980	1/2 - 1 Mile ESE
BE497	CAOG13000132202	1/2 - 1 Mile SE
BJ498	CAOG13000131190	1/2 - 1 Mile SE
BI499	CAOG13000130926	1/2 - 1 Mile ESE
500	CAOG13000131271	1/2 - 1 Mile ESE
BF501	CAOG13000133382	1/2 - 1 Mile SE
BE502	CAOG13000132203	1/2 - 1 Mile SE
BG503	CAOG13000005657	1/2 - 1 Mile North
BF504	CAOG13000133191	1/2 - 1 Mile SE
BI505	CAOG13000133237	1/2 - 1 Mile ESE
BI506	CAOG13000131491	1/2 - 1 Mile ESE
BI507	CAOG13000131195	1/2 - 1 Mile ESE
BF508	CAOG13000131122	1/2 - 1 Mile SE
BJ509	CAOG13000132041	1/2 - 1 Mile SE
510	CAOG13000131887	1/2 - 1 Mile SE
BK511	CAOG13000130761	1/2 - 1 Mile SE
BK512	CAOG13000132213	1/2 - 1 Mile SE
BI513	CAOG13000131431	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 5914858.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: APN 7140-014-025
 ADDRESS: Not Reported
 Long Beach CA 90806
 LAT/LONG: 33.82591 / 118.202012

CLIENT: Roux Associates Inc
 CONTACT: Amanda Broffman
 INQUIRY #: 5914858.2s
 DATE: December 23, 2019 1:10 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
West
1/2 - 1 Mile
Lower

FED USGS USGS40000155024

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W14L001S	Type:	Well
Description:	Not Reported	HUC:	18090206
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	308	Level reading date:	1987-08-28
Feet below surface:	41.72	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1987-07-24	Feet below surface:	41.88
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-06-23	Feet below surface:	41.72
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-06-01	Feet below surface:	41.52
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-05-01	Feet below surface:	41.72
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-04-03	Feet below surface:	41.32
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-02-27	Feet below surface:	39.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-02-02	Feet below surface:	43.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-12-26	Feet below surface:	41.72
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-12-01	Feet below surface:	41.62
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-10-27	Feet below surface:	42.22
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-09-26	Feet below surface:	42.22
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-09-02	Feet below surface:	43.12
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-07-25	Feet below surface:	42.42
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1986-07-07	Feet below surface:	42.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-29	Feet below surface:	42.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-25	Feet below surface:	43.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-01	Feet below surface:	43.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-03	Feet below surface:	40.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-31	Feet below surface:	43.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-27	Feet below surface:	45.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-22	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-25	Feet below surface:	43.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-09-27	Feet below surface:	43.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-08-30	Feet below surface:	43.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-07-26	Feet below surface:	43.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-28	Feet below surface:	43.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-27	Feet below surface:	43.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-26	Feet below surface:	42.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-29	Feet below surface:	44.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-01	Feet below surface:	44.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-01-25	Feet below surface:	45.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-20	Feet below surface:	45.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-20	Feet below surface:	45.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-22	Feet below surface:	45.72
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1984-09-20	Feet below surface:	45.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-20	Feet below surface:	45.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-07-23	Feet below surface:	47.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-20	Feet below surface:	45.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-21	Feet below surface:	50.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-23	Feet below surface:	45.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-26	Feet below surface:	47.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-24	Feet below surface:	47.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-30	Feet below surface:	46.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-12-30	Feet below surface:	45.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-23	Feet below surface:	46.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-09-29	Feet below surface:	47.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-01	Feet below surface:	50.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-01	Feet below surface:	48.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-06-28	Feet below surface:	47.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-23	Feet below surface:	47.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-29	Feet below surface:	47.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-29	Feet below surface:	48.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-05	Feet below surface:	50.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-26	Feet below surface:	48.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-10	Feet below surface:	48.52
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1982-12-03	Feet below surface:	50.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-02	Feet below surface:	51.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-23	Feet below surface:	49.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-13	Feet below surface:	49.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-08	Feet below surface:	49.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-24	Feet below surface:	39.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-04	Feet below surface:	51.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-30	Feet below surface:	49.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-29	Feet below surface:	49.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-23	Feet below surface:	49.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-24	Feet below surface:	49.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-03	Feet below surface:	49.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-22	Feet below surface:	49.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-21	Feet below surface:	49.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-29	Feet below surface:	49.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-25	Feet below surface:	49.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-03	Feet below surface:	49.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-20	Feet below surface:	49.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-23	Feet below surface:	49.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-26	Feet below surface:	49.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-21	Feet below surface:	49.52
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1980-09-23	Feet below surface:	49.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-20	Feet below surface:	49.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-22	Feet below surface:	51.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-20	Feet below surface:	49.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-20	Feet below surface:	49.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-18	Feet below surface:	49.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-21	Feet below surface:	52.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-25	Feet below surface:	50.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-21	Feet below surface:	50.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-20	Feet below surface:	51.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-26	Feet below surface:	50.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-27	Feet below surface:	51.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-24	Feet below surface:	51.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-26	Feet below surface:	51.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-18	Feet below surface:	50.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-18	Feet below surface:	50.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-25	Feet below surface:	49.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-25	Feet below surface:	51.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-20	Feet below surface:	51.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-18	Feet below surface:	50.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-21	Feet below surface:	52.02
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1978-11-28	Feet below surface:	52.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-20	Feet below surface:	52.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-20	Feet below surface:	52.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-09	Feet below surface:	53.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-19	Feet below surface:	53.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-14	Feet below surface:	53.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-17	Feet below surface:	53.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-19	Feet below surface:	53.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-29	Feet below surface:	53.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-22	Feet below surface:	54.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-18	Feet below surface:	54.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-21	Feet below surface:	54.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-02	Feet below surface:	54.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-14	Feet below surface:	54.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-10	Feet below surface:	54.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-13	Feet below surface:	55.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-08	Feet below surface:	55.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-18	Feet below surface:	55.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-11	Feet below surface:	55.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-15	Feet below surface:	55.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-09	Feet below surface:	55.82
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1976-12-22	Feet below surface:	56.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-20	Feet below surface:	56.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-22	Feet below surface:	56.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-25	Feet below surface:	56.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-21	Feet below surface:	56.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-16	Feet below surface:	56.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-19	Feet below surface:	61.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-21	Feet below surface:	58.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-17	Feet below surface:	57.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-18	Feet below surface:	56.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-07	Feet below surface:	56.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-17	Feet below surface:	56.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-05	Feet below surface:	57.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-22	Feet below surface:	56.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-24	Feet below surface:	56.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-20	Feet below surface:	56.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-29	Feet below surface:	56.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-25	Feet below surface:	57.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-21	Feet below surface:	57.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-09	Feet below surface:	60.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-19	Feet below surface:	62.12
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1975-02-20	Feet below surface:	57.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-15	Feet below surface:	62.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-20	Feet below surface:	58.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-20	Feet below surface:	58.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-02	Feet below surface:	58.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-19	Feet below surface:	58.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-19	Feet below surface:	58.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-23	Feet below surface:	58.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-19	Feet below surface:	59.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-20	Feet below surface:	59.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-20	Feet below surface:	59.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-02	Feet below surface:	59.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-19	Feet below surface:	59.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-07	Feet below surface:	59.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-10	Feet below surface:	59.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-19	Feet below surface:	59.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-15	Feet below surface:	64.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-18	Feet below surface:	63.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-13	Feet below surface:	60.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-23	Feet below surface:	63.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-25	Feet below surface:	60.92
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1973-03-14	Feet below surface:	61.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-14	Feet below surface:	62.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-24	Feet below surface:	68.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-21	Feet below surface:	61.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-17	Feet below surface:	63.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-18	Feet below surface:	61.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-20	Feet below surface:	62.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-21	Feet below surface:	62.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-14	Feet below surface:	62.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-24	Feet below surface:	63.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-26	Feet below surface:	63.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-15	Feet below surface:	63.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-28	Feet below surface:	63.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-26	Feet below surface:	63.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-29	Feet below surface:	63.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-17	Feet below surface:	63.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-27	Feet below surface:	63.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-22	Feet below surface:	73.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-25	Feet below surface:	64.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-21	Feet below surface:	64.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-23	Feet below surface:	65.02
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1971-05-19	Feet below surface:	64.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-21	Feet below surface:	64.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-24	Feet below surface:	65.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-24	Feet below surface:	65.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-20	Feet below surface:	65.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-28	Feet below surface:	65.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-23	Feet below surface:	65.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-26	Feet below surface:	65.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-21	Feet below surface:	65.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-24	Feet below surface:	64.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-27	Feet below surface:	64.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-22	Feet below surface:	64.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-25	Feet below surface:	64.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-20	Feet below surface:	65.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-23	Feet below surface:	64.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-23	Feet below surface:	64.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-26	Feet below surface:	64.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-22	Feet below surface:	64.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-24	Feet below surface:	64.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-27	Feet below surface:	64.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-22	Feet below surface:	64.87
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1969-08-25	Feet below surface:	64.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-28	Feet below surface:	65.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-23	Feet below surface:	65.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-26	Feet below surface:	64.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-21	Feet below surface:	65.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-24	Feet below surface:	65.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-24	Feet below surface:	64.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-20	Feet below surface:	64.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-16	Feet below surface:	64.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-25	Feet below surface:	64.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-21	Feet below surface:	64.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-23	Feet below surface:	64.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-19	Feet below surface:	64.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-22	Feet below surface:	64.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-24	Feet below surface:	64.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-20	Feet below surface:	64.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-22	Feet below surface:	64.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-25	Feet below surface:	63.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-19	Feet below surface:	63.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-22	Feet below surface:	63.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-26	Feet below surface:	63.84
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1967-11-27	Feet below surface:	63.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-30	Feet below surface:	63.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-25	Feet below surface:	63.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-28	Feet below surface:	63.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-24	Feet below surface:	63.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-26	Feet below surface:	63.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-29	Feet below surface:	62.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-24	Feet below surface:	62.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-27	Feet below surface:	67.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-20	Feet below surface:	62.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-23	Feet below surface:	62.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-26	Feet below surface:	62.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-28	Feet below surface:	62.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-24	Feet below surface:	62.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-26	Feet below surface:	62.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-22	Feet below surface:	62.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-25	Feet below surface:	62.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-30	Feet below surface:	62.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-30	Feet below surface:	62.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-25	Feet below surface:	62.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-28	Feet below surface:	61.89
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1966-02-28	Feet below surface:	61.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-31	Feet below surface:	61.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-27	Feet below surface:	61.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-29	Feet below surface:	61.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-25	Feet below surface:	61.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-27	Feet below surface:	61.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-30	Feet below surface:	61.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-27	Feet below surface:	61.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-28	Feet below surface:	60.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-24	Feet below surface:	60.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-26	Feet below surface:	60.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-29	Feet below surface:	60.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-22	Feet below surface:	60.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-25	Feet below surface:	60.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-30	Feet below surface:	60.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-30	Feet below surface:	60.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-26	Feet below surface:	59.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-28	Feet below surface:	59.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-31	Feet below surface:	59.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-27	Feet below surface:	59.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-29	Feet below surface:	59.37
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1964-05-25	Feet below surface:	59.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-27	Feet below surface:	58.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-30	Feet below surface:	58.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-24	Feet below surface:	58.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-27	Feet below surface:	58.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-12-30	Feet below surface:	58.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-11-25	Feet below surface:	58.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-28	Feet below surface:	58.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-23	Feet below surface:	58.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-26	Feet below surface:	58.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-29	Feet below surface:	58.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-24	Feet below surface:	58.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-27	Feet below surface:	57.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-29	Feet below surface:	58.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-25	Feet below surface:	57.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-02-25	Feet below surface:	57.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-01-28	Feet below surface:	57.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-12-24	Feet below surface:	57.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-11-26	Feet below surface:	57.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-10-29	Feet below surface:	57.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-09-24	Feet below surface:	57.35
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1962-08-27	Feet below surface:	57.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-07-30	Feet below surface:	57.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-06-25	Feet below surface:	57.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-05-28	Feet below surface:	57.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-04-23	Feet below surface:	57.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-26	Feet below surface:	57.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-02-26	Feet below surface:	56.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-01-29	Feet below surface:	55.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-12-25	Feet below surface:	55.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-11-27	Feet below surface:	55.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-10-30	Feet below surface:	55.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-09-25	Feet below surface:	55.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-08-28	Feet below surface:	56.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-07-31	Feet below surface:	56.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-06-26	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-05-29	Feet below surface:	54.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-04-24	Feet below surface:	54.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-27	Feet below surface:	54.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-02-27	Feet below surface:	54.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-30	Feet below surface:	54.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-05	Feet below surface:	20.62
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

2
SW
1/2 - 1 Mile
Lower

FED USGS USGS40000138415

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23B002S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1068
Well Depth Units:	ft	Well Hole Depth:	1068
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	1580	Level reading date:	1987-08-28
Feet below surface:	94.58	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1987-07-24	Feet below surface:	97.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-23	Feet below surface:	95.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-01	Feet below surface:	92.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-01	Feet below surface:	94.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-04-03	Feet below surface:	94.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-27	Feet below surface:	93.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-02	Feet below surface:	93.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-26	Feet below surface:	89.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-01	Feet below surface:	92.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-10-27	Feet below surface:	94.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-26	Feet below surface:	95.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-02	Feet below surface:	97.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-25	Feet below surface:	98.58
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1986-07-07	Feet below surface:	99.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-29	Feet below surface:	94.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-25	Feet below surface:	94.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-01	Feet below surface:	93.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-03	Feet below surface:	91.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-31	Feet below surface:	94.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-27	Feet below surface:	99.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-22	Feet below surface:	95.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-25	Feet below surface:	97.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-09-27	Feet below surface:	99.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-08-30	Feet below surface:	99.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-07-26	Feet below surface:	98.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-28	Feet below surface:	99.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-27	Feet below surface:	96.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-26	Feet below surface:	94.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-29	Feet below surface:	90.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-01	Feet below surface:	89.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-01-25	Feet below surface:	93.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-20	Feet below surface:	100.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-20	Feet below surface:	100.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-22	Feet below surface:	103.08
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1984-09-20	Feet below surface:	103.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-20	Feet below surface:	100.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-07-23	Feet below surface:	101.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-20	Feet below surface:	100.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-21	Feet below surface:	101.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-23	Feet below surface:	108.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-26	Feet below surface:	107.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-24	Feet below surface:	103.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-30	Feet below surface:	102.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-12-30	Feet below surface:	101.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-23	Feet below surface:	102.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-09-29	Feet below surface:	105.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-29	Feet below surface:	108.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-01	Feet below surface:	107.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-01	Feet below surface:	106.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-06-28	Feet below surface:	102.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-23	Feet below surface:	104.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-29	Feet below surface:	103.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-29	Feet below surface:	100.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-05	Feet below surface:	100.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-26	Feet below surface:	104.78
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1983-01-10	Feet below surface:	103.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-03	Feet below surface:	103.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-02	Feet below surface:	106.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-30	Feet below surface:	108.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-23	Feet below surface:	108.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-13	Feet below surface:	107.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-08	Feet below surface:	109.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-28	Feet below surface:	107.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-06	Feet below surface:	106.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-24	Feet below surface:	108.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-25	Feet below surface:	107.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-04	Feet below surface:	105.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-30	Feet below surface:	104.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-29	Feet below surface:	110.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-23	Feet below surface:	108.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-24	Feet below surface:	110.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-03	Feet below surface:	108.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-22	Feet below surface:	106.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-21	Feet below surface:	107.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-29	Feet below surface:	109.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-25	Feet below surface:	109.08
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1981-03-03	Feet below surface:	108.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-20	Feet below surface:	110.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-23	Feet below surface:	110.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-26	Feet below surface:	108.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-21	Feet below surface:	109.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-23	Feet below surface:	117.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-20	Feet below surface:	116.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-22	Feet below surface:	112.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-20	Feet below surface:	105.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-20	Feet below surface:	107.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-18	Feet below surface:	110.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-21	Feet below surface:	109.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-25	Feet below surface:	109.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-21	Feet below surface:	111.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-20	Feet below surface:	111.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-26	Feet below surface:	110.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-27	Feet below surface:	112.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-24	Feet below surface:	114.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-26	Feet below surface:	112.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-18	Feet below surface:	116.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-18	Feet below surface:	110.98
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1979-04-25	Feet below surface:	111.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-20	Feet below surface:	119.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-18	Feet below surface:	114.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-21	Feet below surface:	121.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-28	Feet below surface:	116.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-20	Feet below surface:	115.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-20	Feet below surface:	115.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-23	Feet below surface:	118.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-19	Feet below surface:	117.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-21	Feet below surface:	115.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-17	Feet below surface:	115.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-26	Feet below surface:	115.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-22	Feet below surface:	114.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-22	Feet below surface:	112.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-18	Feet below surface:	116.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-28	Feet below surface:	117.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-16	Feet below surface:	122.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-21	Feet below surface:	120.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-10	Feet below surface:	123.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-13	Feet below surface:	124.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-08	Feet below surface:	122.08
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1977-05-18	Feet below surface:	119.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-20	Feet below surface:	120.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-15	Feet below surface:	115.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-16	Feet below surface:	117.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-19	Feet below surface:	116.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-22	Feet below surface:	117.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-17	Feet below surface:	118.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-20	Feet below surface:	129.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-22	Feet below surface:	121.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-25	Feet below surface:	122.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-21	Feet below surface:	122.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-23	Feet below surface:	122.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-19	Feet below surface:	123.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-21	Feet below surface:	123.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-17	Feet below surface:	122.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-18	Feet below surface:	121.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-21	Feet below surface:	120.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-17	Feet below surface:	119.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-19	Feet below surface:	121.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-22	Feet below surface:	124.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-17	Feet below surface:	125.33
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1975-08-20	Feet below surface:	124.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-29	Feet below surface:	124.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-18	Feet below surface:	118.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-21	Feet below surface:	114.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-23	Feet below surface:	118.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-25	Feet below surface:	114.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-19	Feet below surface:	115.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-20	Feet below surface:	119.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-22	Feet below surface:	121.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-18	Feet below surface:	122.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-20	Feet below surface:	123.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-23	Feet below surface:	121.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-18	Feet below surface:	123.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-21	Feet below surface:	124.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-19	Feet below surface:	123.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-19	Feet below surface:	122.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-22	Feet below surface:	122.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-19	Feet below surface:	119.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-20	Feet below surface:	116.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-20	Feet below surface:	119.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-23	Feet below surface:	117.48
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1973-12-19	Feet below surface:	122.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-21	Feet below surface:	121.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-17	Feet below surface:	125.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-19	Feet below surface:	126.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-22	Feet below surface:	129.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-18	Feet below surface:	128.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-20	Feet below surface:	127.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-23	Feet below surface:	125.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-25	Feet below surface:	123.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-21	Feet below surface:	120.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-21	Feet below surface:	119.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-24	Feet below surface:	120.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-21	Feet below surface:	121.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-22	Feet below surface:	121.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-18	Feet below surface:	126.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-20	Feet below surface:	128.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-23	Feet below surface:	130.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-21	Feet below surface:	127.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-21	Feet below surface:	126.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-24	Feet below surface:	124.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-26	Feet below surface:	123.28
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1972-03-22	Feet below surface:	121.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-28	Feet below surface:	123.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-26	Feet below surface:	123.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-29	Feet below surface:	122.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-17	Feet below surface:	122.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-27	Feet below surface:	123.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-22	Feet below surface:	122.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-25	Feet below surface:	128.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-21	Feet below surface:	125.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-23	Feet below surface:	119.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-19	Feet below surface:	121.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-21	Feet below surface:	121.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-24	Feet below surface:	119.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-24	Feet below surface:	115.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-20	Feet below surface:	119.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-28	Feet below surface:	116.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-23	Feet below surface:	117.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-26	Feet below surface:	119.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-21	Feet below surface:	124.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-24	Feet below surface:	123.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-27	Feet below surface:	125.58
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1970-06-22	Feet below surface:	123.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-25	Feet below surface:	123.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-20	Feet below surface:	122.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-23	Feet below surface:	120.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-23	Feet below surface:	120.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-26	Feet below surface:	123.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-22	Feet below surface:	123.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-24	Feet below surface:	123.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-27	Feet below surface:	123.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-22	Feet below surface:	125.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-25	Feet below surface:	124.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-28	Feet below surface:	126.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-23	Feet below surface:	125.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-26	Feet below surface:	124.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-21	Feet below surface:	119.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-24	Feet below surface:	119.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-24	Feet below surface:	118.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-20	Feet below surface:	117.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-16	Feet below surface:	119.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-25	Feet below surface:	117.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-21	Feet below surface:	118.35
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1968-09-23	Feet below surface:	121.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-19	Feet below surface:	124.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-22	Feet below surface:	125.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-24	Feet below surface:	126.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-20	Feet below surface:	121.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-22	Feet below surface:	119.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-25	Feet below surface:	115.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-19	Feet below surface:	115.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-22	Feet below surface:	120.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-26	Feet below surface:	120.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-27	Feet below surface:	119.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-30	Feet below surface:	118.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-25	Feet below surface:	118.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-28	Feet below surface:	121.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-24	Feet below surface:	119.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-26	Feet below surface:	119.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-29	Feet below surface:	120.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-24	Feet below surface:	120.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-27	Feet below surface:	119.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-20	Feet below surface:	116.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-23	Feet below surface:	117.50
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1966-12-26	Feet below surface:	118.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-28	Feet below surface:	116.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-24	Feet below surface:	119.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-26	Feet below surface:	118.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-22	Feet below surface:	118.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-25	Feet below surface:	118.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-30	Feet below surface:	113.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-30	Feet below surface:	117.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-25	Feet below surface:	118.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-28	Feet below surface:	117.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-28	Feet below surface:	115.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-31	Feet below surface:	114.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-27	Feet below surface:	114.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-29	Feet below surface:	117.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-25	Feet below surface:	120.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-27	Feet below surface:	121.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-30	Feet below surface:	124.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-27	Feet below surface:	122.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-28	Feet below surface:	119.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-24	Feet below surface:	118.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-26	Feet below surface:	116.40
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1965-03-29	Feet below surface:	116.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-22	Feet below surface:	117.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-25	Feet below surface:	112.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-30	Feet below surface:	109.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-30	Feet below surface:	111.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-26	Feet below surface:	112.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-28	Feet below surface:	117.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-31	Feet below surface:	118.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-27	Feet below surface:	120.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-29	Feet below surface:	117.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-25	Feet below surface:	116.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-27	Feet below surface:	110.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-30	Feet below surface:	108.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-24	Feet below surface:	104.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-27	Feet below surface:	111.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-12-30	Feet below surface:	113.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-11-25	Feet below surface:	111.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-28	Feet below surface:	113.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-23	Feet below surface:	115.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-26	Feet below surface:	116.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-29	Feet below surface:	115.02
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1963-06-24	Feet below surface:	112.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-27	Feet below surface:	110.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-29	Feet below surface:	110.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-25	Feet below surface:	112.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-02-25	Feet below surface:	109.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-01-28	Feet below surface:	107.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-12-24	Feet below surface:	111.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-11-26	Feet below surface:	113.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-10-29	Feet below surface:	115.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-09-24	Feet below surface:	117.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-08-27	Feet below surface:	119.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-07-30	Feet below surface:	118.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-06-25	Feet below surface:	114.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-05-28	Feet below surface:	118.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-04-23	Feet below surface:	117.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-26	Feet below surface:	111.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-02-26	Feet below surface:	111.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-01-29	Feet below surface:	107.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-12-25	Feet below surface:	112.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-11-27	Feet below surface:	115.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-10-30	Feet below surface:	116.85
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1961-09-25	Feet below surface:	122.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-08-28	Feet below surface:	122.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-07-31	Feet below surface:	121.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-06-26	Feet below surface:	120.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-05-29	Feet below surface:	121.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-04-24	Feet below surface:	119.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-27	Feet below surface:	114.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-02-27	Feet below surface:	115.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-30	Feet below surface:	110.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-23	Feet below surface:	112.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-16	Feet below surface:	112.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-09	Feet below surface:	110.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-02	Feet below surface:	109.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-12-26	Feet below surface:	109.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-12-19	Feet below surface:	108.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-12-12	Feet below surface:	108.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-12-05	Feet below surface:	108.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-28	Feet below surface:	106.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-21	Feet below surface:	107.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-14	Feet below surface:	111.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-07	Feet below surface:	112.72
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1960-10-31	Feet below surface:	114.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-24	Feet below surface:	113.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-17	Feet below surface:	115.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-10	Feet below surface:	116.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-03	Feet below surface:	116.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-09-26	Feet below surface:	117.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-09-19	Feet below surface:	117.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-09-12	Feet below surface:	116.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-09-05	Feet below surface:	115.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-29	Feet below surface:	116.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-22	Feet below surface:	116.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-15	Feet below surface:	116.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-08	Feet below surface:	116.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-01	Feet below surface:	116.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-07-25	Feet below surface:	117.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-07-18	Feet below surface:	115.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-07-11	Feet below surface:	114.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-07-04	Feet below surface:	114.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-06-27	Feet below surface:	115.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-06-20	Feet below surface:	114.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-06-13	Feet below surface:	115.25
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1960-06-06	Feet below surface:	114.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-30	Feet below surface:	115.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-23	Feet below surface:	114.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-16	Feet below surface:	112.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-09	Feet below surface:	111.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-02	Feet below surface:	108.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-25	Feet below surface:	107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-18	Feet below surface:	107.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-11	Feet below surface:	106.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-04	Feet below surface:	106.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-28	Feet below surface:	105.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-21	Feet below surface:	105.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-14	Feet below surface:	105.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-07	Feet below surface:	105.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-29	Feet below surface:	105.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-22	Feet below surface:	107.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-15	Feet below surface:	102.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-08	Feet below surface:	103.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-01	Feet below surface:	103.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-01-25	Feet below surface:	104.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-01-11	Feet below surface:	107.47
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1960-01-04	Feet below surface:	108.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-28	Feet below surface:	108.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-21	Feet below surface:	111.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-14	Feet below surface:	111.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-07	Feet below surface:	111.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-30	Feet below surface:	111.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-23	Feet below surface:	111.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-16	Feet below surface:	111.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-09	Feet below surface:	111.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-02	Feet below surface:	111.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-26	Feet below surface:	112.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-19	Feet below surface:	113.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-12	Feet below surface:	114.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-05	Feet below surface:	115.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-09-28	Feet below surface:	117.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-09-21	Feet below surface:	117.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-09-14	Feet below surface:	119.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-09-07	Feet below surface:	119.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-31	Feet below surface:	119.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-24	Feet below surface:	120.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-17	Feet below surface:	119.42
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1959-08-10	Feet below surface:	119.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-03	Feet below surface:	119.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07-27	Feet below surface:	116.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07-20	Feet below surface:	117.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07-13	Feet below surface:	118.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07-06	Feet below surface:	116.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-29	Feet below surface:	116.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-22	Feet below surface:	114.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-15	Feet below surface:	113.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-08	Feet below surface:	112.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-01	Feet below surface:	111.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-25	Feet below surface:	110.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-18	Feet below surface:	109.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-11	Feet below surface:	109.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-04	Feet below surface:	107.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04-27	Feet below surface:	107.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04-20	Feet below surface:	107.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04-13	Feet below surface:	106.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04-06	Feet below surface:	105.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-30	Feet below surface:	104.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-23	Feet below surface:	103.70
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1959-03-16	Feet below surface:	99.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-09	Feet below surface:	99.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-02	Feet below surface:	99.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-23	Feet below surface:	99.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-16	Feet below surface:	99.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-09	Feet below surface:	101.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-02	Feet below surface:	103.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01-26	Feet below surface:	103.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01-19	Feet below surface:	104.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01-12	Feet below surface:	104.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01-05	Feet below surface:	105.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-29	Feet below surface:	107.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-22	Feet below surface:	109.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-15	Feet below surface:	111.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-08	Feet below surface:	109.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-01	Feet below surface:	110.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11-24	Feet below surface:	113.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11-17	Feet below surface:	113.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11-10	Feet below surface:	113.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11-03	Feet below surface:	114.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10-27	Feet below surface:	112.25
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1958-10-20	Feet below surface:	115.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10-13	Feet below surface:	114.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10-06	Feet below surface:	116.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-29	Feet below surface:	115.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-22	Feet below surface:	115.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-15	Feet below surface:	115.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-08	Feet below surface:	114.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-01	Feet below surface:	114.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-25	Feet below surface:	115.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-18	Feet below surface:	115.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-11	Feet below surface:	116.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-04	Feet below surface:	116.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07-28	Feet below surface:	116.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07-21	Feet below surface:	116.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07-14	Feet below surface:	115.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07-07	Feet below surface:	114.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-30	Feet below surface:	116.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-23	Feet below surface:	115.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-16	Feet below surface:	114.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-09	Feet below surface:	113.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-02	Feet below surface:	110.62
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1958-05-26	Feet below surface:	110.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-19	Feet below surface:	108.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-12	Feet below surface:	109.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-02	Feet below surface:	111.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-28	Feet below surface:	111.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-21	Feet below surface:	108.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-14	Feet below surface:	105.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-07	Feet below surface:	104.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-01	Feet below surface:	103.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-31	Feet below surface:	103.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-24	Feet below surface:	103.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-17	Feet below surface:	102.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-10	Feet below surface:	101.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-03	Feet below surface:	100.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-02-24	Feet below surface:	99.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-02-17	Feet below surface:	100.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-02-10	Feet below surface:	99.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-02-03	Feet below surface:	97.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-27	Feet below surface:	98.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-20	Feet below surface:	99.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-13	Feet below surface:	98.70
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1958-01-06	Feet below surface:	99.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-30	Feet below surface:	99.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-23	Feet below surface:	99.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-16	Feet below surface:	101.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-09	Feet below surface:	102.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-02	Feet below surface:	103.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-25	Feet below surface:	105.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-18	Feet below surface:	104.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-11	Feet below surface:	105.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-04	Feet below surface:	107.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-28	Feet below surface:	109.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-21	Feet below surface:	109.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-14	Feet below surface:	110.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-07	Feet below surface:	113.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-30	Feet below surface:	115.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-23	Feet below surface:	116.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-16	Feet below surface:	117.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-09	Feet below surface:	118.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-02	Feet below surface:	117.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-26	Feet below surface:	118.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-19	Feet below surface:	118.65
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1957-08-12	Feet below surface:	115.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-05	Feet below surface:	115.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-29	Feet below surface:	113.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-22	Feet below surface:	113.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-15	Feet below surface:	113.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-08	Feet below surface:	112.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-01	Feet below surface:	114.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-06-24	Feet below surface:	116.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-06-17	Feet below surface:	111.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-06-10	Feet below surface:	110.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-06-03	Feet below surface:	110.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-27	Feet below surface:	109.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-20	Feet below surface:	106.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-13	Feet below surface:	105.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-06	Feet below surface:	105.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-29	Feet below surface:	102.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-22	Feet below surface:	101.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-15	Feet below surface:	103.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-08	Feet below surface:	106.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-01	Feet below surface:	101.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-03-25	Feet below surface:	100.85
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1957-03-18	Feet below surface:	100.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-03-11	Feet below surface:	100.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-03-04	Feet below surface:	99.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-25	Feet below surface:	101.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-18	Feet below surface:	101.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-11	Feet below surface:	103.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-04	Feet below surface:	103.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-01-28	Feet below surface:	102.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-01-21	Feet below surface:	101.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-01-14	Feet below surface:	101.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-01-07	Feet below surface:	104.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-31	Feet below surface:	106.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-24	Feet below surface:	107.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-17	Feet below surface:	107.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-10	Feet below surface:	109.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-03	Feet below surface:	110.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-11-26	Feet below surface:	112.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-11-19	Feet below surface:	112.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-11-12	Feet below surface:	116.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-11-05	Feet below surface:	112.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-29	Feet below surface:	113.80
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1956-10-22	Feet below surface:	113.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-15	Feet below surface:	115.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-08	Feet below surface:	114.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-01	Feet below surface:	116.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09-24	Feet below surface:	116.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09-17	Feet below surface:	118.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09-10	Feet below surface:	118.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09-03	Feet below surface:	118.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08-27	Feet below surface:	118.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08-20	Feet below surface:	118.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08-13	Feet below surface:	116.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08-06	Feet below surface:	116.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07-30	Feet below surface:	115.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07-23	Feet below surface:	114.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07-16	Feet below surface:	114.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07-09	Feet below surface:	114.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07-02	Feet below surface:	116.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-06-25	Feet below surface:	114.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-06-18	Feet below surface:	115.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-06-11	Feet below surface:	112.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-06-04	Feet below surface:	111.75
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1956-05-28	Feet below surface:	111.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-05-21	Feet below surface:	110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-05-14	Feet below surface:	107.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-05-07	Feet below surface:	104.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-30	Feet below surface:	102.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-23	Feet below surface:	102.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-16	Feet below surface:	103.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-09	Feet below surface:	106.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-02	Feet below surface:	106.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03-26	Feet below surface:	105.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03-19	Feet below surface:	104.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03-12	Feet below surface:	102.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03-05	Feet below surface:	101.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-02-27	Feet below surface:	102.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-02-20	Feet below surface:	102.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-02-13	Feet below surface:	103.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-02-06	Feet below surface:	103.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-30	Feet below surface:	104.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-23	Feet below surface:	106.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-16	Feet below surface:	106.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-09	Feet below surface:	105.23
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1956-01-02	Feet below surface:	106.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-26	Feet below surface:	106.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-19	Feet below surface:	107.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-12	Feet below surface:	107.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-05	Feet below surface:	108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11-28	Feet below surface:	107.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11-21	Feet below surface:	108.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11-14	Feet below surface:	111.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11-07	Feet below surface:	112.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-31	Feet below surface:	112.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-24	Feet below surface:	113.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-17	Feet below surface:	113.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-10	Feet below surface:	113.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-03	Feet below surface:	112.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09-26	Feet below surface:	112.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09-19	Feet below surface:	114.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09-12	Feet below surface:	116.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09-05	Feet below surface:	116.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-29	Feet below surface:	114.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-22	Feet below surface:	113.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-15	Feet below surface:	115.80
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1955-08-08	Feet below surface:	115.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-01	Feet below surface:	115.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07-25	Feet below surface:	116.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07-18	Feet below surface:	116.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07-11	Feet below surface:	116.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07-04	Feet below surface:	116.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-06-27	Feet below surface:	117.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-06-20	Feet below surface:	116.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-06-13	Feet below surface:	117.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-06-06	Feet below surface:	119.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-30	Feet below surface:	120.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-23	Feet below surface:	124.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-16	Feet below surface:	119.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-09	Feet below surface:	119.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-02	Feet below surface:	120.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-04-25	Feet below surface:	120.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-04-18	Feet below surface:	126.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-04-11	Feet below surface:	124.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-04-04	Feet below surface:	122.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-28	Feet below surface:	123.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-21	Feet below surface:	122.09
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1955-03-14	Feet below surface:	121.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-07	Feet below surface:	120.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02-28	Feet below surface:	120.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02-21	Feet below surface:	120.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02-14	Feet below surface:	120.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02-07	Feet below surface:	118.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01-31	Feet below surface:	119.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01-24	Feet below surface:	117.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01-17	Feet below surface:	118.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01-10	Feet below surface:	118.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01-03	Feet below surface:	120.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-27	Feet below surface:	120.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-20	Feet below surface:	119.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-13	Feet below surface:	117.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-06	Feet below surface:	118.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11-29	Feet below surface:	120.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11-22	Feet below surface:	123.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11-15	Feet below surface:	121.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11-08	Feet below surface:	124.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11-01	Feet below surface:	125.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-10-25	Feet below surface:	124.20
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1954-10-18	Feet below surface:	123.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-10-11	Feet below surface:	121.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-10-04	Feet below surface:	120.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09-27	Feet below surface:	123.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09-24	Feet below surface:	124.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09-13	Feet below surface:	126.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09-06	Feet below surface:	127.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-30	Feet below surface:	126.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-23	Feet below surface:	127.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-16	Feet below surface:	125.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-09	Feet below surface:	124.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-02	Feet below surface:	126.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07-26	Feet below surface:	125.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07-19	Feet below surface:	126.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07-12	Feet below surface:	126.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07-05	Feet below surface:	123.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-06-28	Feet below surface:	122.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-06-21	Feet below surface:	123.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-06-14	Feet below surface:	124.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-06-07	Feet below surface:	121.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-31	Feet below surface:	120.04
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1954-05-24	Feet below surface:	119.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-17	Feet below surface:	118.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-10	Feet below surface:	120.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-03	Feet below surface:	115.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-26	Feet below surface:	114.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-19	Feet below surface:	113.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-12	Feet below surface:	113.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-05	Feet below surface:	110.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-29	Feet below surface:	111.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-22	Feet below surface:	109.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-15	Feet below surface:	113.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-08	Feet below surface:	112.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-01	Feet below surface:	113.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02-22	Feet below surface:	113.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02-15	Feet below surface:	113.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02-01	Feet below surface:	113.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01-25	Feet below surface:	112.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01-18	Feet below surface:	114.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01-11	Feet below surface:	116.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01-04	Feet below surface:	116.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-12-28	Feet below surface:	117.66
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1953-12-21	Feet below surface:	119.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-12-14	Feet below surface:	119.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-12-07	Feet below surface:	117.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-30	Feet below surface:	118.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-23	Feet below surface:	117.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-16	Feet below surface:	120.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-09	Feet below surface:	123.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-02	Feet below surface:	125.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-26	Feet below surface:	125.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-19	Feet below surface:	125.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-12	Feet below surface:	128.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-05	Feet below surface:	126.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09-28	Feet below surface:	125.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09-20	Feet below surface:	126.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09-14	Feet below surface:	128.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09-07	Feet below surface:	127.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-31	Feet below surface:	127.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-24	Feet below surface:	127.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-17	Feet below surface:	128.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-10	Feet below surface:	129.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-03	Feet below surface:	130.10
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1953-07-27	Feet below surface:	130.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07-20	Feet below surface:	131.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07-13	Feet below surface:	130.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07-06	Feet below surface:	127.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-29	Feet below surface:	126.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-22	Feet below surface:	124.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-15	Feet below surface:	125.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-08	Feet below surface:	125.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-01	Feet below surface:	125.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05-25	Feet below surface:	125.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05-18	Feet below surface:	124.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05-12	Feet below surface:	124.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05-04	Feet below surface:	120.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04-27	Feet below surface:	119.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04-20	Feet below surface:	121.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04-13	Feet below surface:	119.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04-06	Feet below surface:	119.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-30	Feet below surface:	118.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-24	Feet below surface:	118.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-16	Feet below surface:	118.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-09	Feet below surface:	117.94
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1953-03-02	Feet below surface:	115.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02-23	Feet below surface:	117.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02-16	Feet below surface:	116.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02-09	Feet below surface:	114.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02-02	Feet below surface:	113.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01-27	Feet below surface:	111.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01-20	Feet below surface:	131.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01-13	Feet below surface:	111.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01-06	Feet below surface:	110.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-30	Feet below surface:	110.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-23	Feet below surface:	112.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-16	Feet below surface:	113.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-09	Feet below surface:	112.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-02	Feet below surface:	112.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11-24	Feet below surface:	114.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11-17	Feet below surface:	116.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11-10	Feet below surface:	120.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11-03	Feet below surface:	119.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-28	Feet below surface:	119.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-21	Feet below surface:	119.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-14	Feet below surface:	121.81
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1952-10-07	Feet below surface:	121.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-30	Feet below surface:	123.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-23	Feet below surface:	123.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-16	Feet below surface:	124.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-10	Feet below surface:	125.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-02	Feet below surface:	124.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08-25	Feet below surface:	122.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08-19	Feet below surface:	120.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08-12	Feet below surface:	120.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08-05	Feet below surface:	120.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-29	Feet below surface:	121.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-22	Feet below surface:	118.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-15	Feet below surface:	116.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-08	Feet below surface:	116.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-01	Feet below surface:	117.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06-24	Feet below surface:	117.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06-17	Feet below surface:	116.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06-10	Feet below surface:	113.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06-04	Feet below surface:	113.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-27	Feet below surface:	112.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-20	Feet below surface:	111.95
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1952-05-13	Feet below surface:	109.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-06	Feet below surface:	106.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-29	Feet below surface:	102.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-22	Feet below surface:	103.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-15	Feet below surface:	104.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-08	Feet below surface:	104.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-01	Feet below surface:	103.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-25	Feet below surface:	102.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-18	Feet below surface:	101.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-11	Feet below surface:	102.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-04	Feet below surface:	104.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02-26	Feet below surface:	105.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02-19	Feet below surface:	103.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02-13	Feet below surface:	101.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02-06	Feet below surface:	103.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-29	Feet below surface:	103.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-22	Feet below surface:	102.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-15	Feet below surface:	102.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-08	Feet below surface:	103.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-02	Feet below surface:	104.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-12-18	Feet below surface:	104.72
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1951-12-11	Feet below surface:	106.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-12-04	Feet below surface:	107.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11-27	Feet below surface:	109.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11-20	Feet below surface:	113.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11-13	Feet below surface:	113.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11-06	Feet below surface:	114.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-30	Feet below surface:	112.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-23	Feet below surface:	114.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-16	Feet below surface:	114.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-09	Feet below surface:	116.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-02	Feet below surface:	114.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09-25	Feet below surface:	113.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09-18	Feet below surface:	114.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09-11	Feet below surface:	111.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09-04	Feet below surface:	114.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08-28	Feet below surface:	113.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08-21	Feet below surface:	115.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08-14	Feet below surface:	117.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08-07	Feet below surface:	117.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07-31	Feet below surface:	116.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07-24	Feet below surface:	115.52
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1951-07-17	Feet below surface:	116.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07-10	Feet below surface:	116.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07-03	Feet below surface:	113.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06-26	Feet below surface:	111.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06-19	Feet below surface:	112.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06-12	Feet below surface:	113.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06-05	Feet below surface:	112.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-29	Feet below surface:	111.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-22	Feet below surface:	111.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-15	Feet below surface:	109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-08	Feet below surface:	108.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-01	Feet below surface:	105.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04-24	Feet below surface:	108.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04-17	Feet below surface:	105.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04-10	Feet below surface:	104.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04-03	Feet below surface:	107.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-28	Feet below surface:	107.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-27	Feet below surface:	107.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-20	Feet below surface:	105.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-13	Feet below surface:	101.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-06	Feet below surface:	99.55
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1951-02-27	Feet below surface:	101.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-02-20	Feet below surface:	102.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-02-13	Feet below surface:	99.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-02-02	Feet below surface:	99.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-30	Feet below surface:	98.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-23	Feet below surface:	99.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-16	Feet below surface:	100.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-09	Feet below surface:	102.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-02	Feet below surface:	101.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-27	Feet below surface:	101.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-19	Feet below surface:	102.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-12	Feet below surface:	101.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-05	Feet below surface:	100.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-01	Feet below surface:	99.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-28	Feet below surface:	99.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-21	Feet below surface:	101.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-14	Feet below surface:	105.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-07	Feet below surface:	103.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-02	Feet below surface:	106.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10-31	Feet below surface:	105.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10-24	Feet below surface:	106.99
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1950-10-17	Feet below surface:	108.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10-10	Feet below surface:	105.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10-03	Feet below surface:	106.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09-25	Feet below surface:	106.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09-18	Feet below surface:	105.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09-11	Feet below surface:	103.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09-01	Feet below surface:	105.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-29	Feet below surface:	104.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-21	Feet below surface:	106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-14	Feet below surface:	107.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-07	Feet below surface:	106.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-01	Feet below surface:	104.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07-28	Feet below surface:	107.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07-24	Feet below surface:	103.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07-17	Feet below surface:	102.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07-10	Feet below surface:	105.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07-03	Feet below surface:	103.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06-30	Feet below surface:	104.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06-26	Feet below surface:	100.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06-19	Feet below surface:	99.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06-12	Feet below surface:	98.90
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1950-06-01	Feet below surface:	101.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-29	Feet below surface:	96.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-22	Feet below surface:	96.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-15	Feet below surface:	95.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-08	Feet below surface:	96.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-01	Feet below surface:	95.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04-24	Feet below surface:	94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04-17	Feet below surface:	95.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04-10	Feet below surface:	92.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04-03	Feet below surface:	92.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-03-20	Feet below surface:	90.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-03-13	Feet below surface:	92.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-03-01	Feet below surface:	88.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-02-28	Feet below surface:	88.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-02-20	Feet below surface:	89.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-02-02	Feet below surface:	91.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-01-16	Feet below surface:	90.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-01-09	Feet below surface:	90.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-01-03	Feet below surface:	90.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-12-27	Feet below surface:	91.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-12-19	Feet below surface:	93.00
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1949-12-12	Feet below surface:	94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-30	Feet below surface:	95.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-21	Feet below surface:	97.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-11	Feet below surface:	96.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-07	Feet below surface:	100.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-28	Feet below surface:	100.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-24	Feet below surface:	99.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-18	Feet below surface:	99.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-17	Feet below surface:	99.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-10	Feet below surface:	100.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-03	Feet below surface:	102.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-09-28	Feet below surface:	102.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-09-19	Feet below surface:	103.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-09-12	Feet below surface:	102.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-08-31	Feet below surface:	105.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-08-22	Feet below surface:	103.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-08-15	Feet below surface:	103.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-08-08	Feet below surface:	104.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-07-29	Feet below surface:	104.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-07-25	Feet below surface:	103.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-07-11	Feet below surface:	101.90
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1949-07-01	Feet below surface:	102.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06-30	Feet below surface:	107.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06-20	Feet below surface:	101.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06-13	Feet below surface:	100.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06-06	Feet below surface:	100.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-31	Feet below surface:	99.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-23	Feet below surface:	97.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-16	Feet below surface:	97.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-09	Feet below surface:	97.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-02	Feet below surface:	96.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-04-25	Feet below surface:	94.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-04-18	Feet below surface:	92.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-31	Feet below surface:	86.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-21	Feet below surface:	86.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-14	Feet below surface:	87.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-07	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02-28	Feet below surface:	88.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02-21	Feet below surface:	88.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02-14	Feet below surface:	88.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02-07	Feet below surface:	89.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-31	Feet below surface:	88.70
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1949-01-24	Feet below surface:	88.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-17	Feet below surface:	89.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-10	Feet below surface:	88.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-03	Feet below surface:	91.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-12-20	Feet below surface:	90.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-12-13	Feet below surface:	91.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-12-01	Feet below surface:	91.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-22	Feet below surface:	90.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-15	Feet below surface:	91.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-08	Feet below surface:	90.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-01	Feet below surface:	89.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-10-25	Feet below surface:	86.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-10-18	Feet below surface:	97.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-10-11	Feet below surface:	88.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-10-01	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-09-20	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-09-13	Feet below surface:	91.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-09-07	Feet below surface:	97.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-09-01	Feet below surface:	100.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-08-23	Feet below surface:	101.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-08-16	Feet below surface:	97.80
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1948-08-09	Feet below surface:	98.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-08-02	Feet below surface:	100.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07-26	Feet below surface:	99.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07-19	Feet below surface:	98.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07-12	Feet below surface:	99.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07-01	Feet below surface:	99.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-06-21	Feet below surface:	97.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-06-14	Feet below surface:	96.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-06-02	Feet below surface:	95.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-24	Feet below surface:	97.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-17	Feet below surface:	96.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-10	Feet below surface:	94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-03	Feet below surface:	94.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-04-26	Feet below surface:	95.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-04-19	Feet below surface:	94.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-04-12	Feet below surface:	90.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-04-01	Feet below surface:	88.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-22	Feet below surface:	88.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-15	Feet below surface:	88.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-08	Feet below surface:	89.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-01	Feet below surface:	89.10
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1948-02-24	Feet below surface:	88.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02-16	Feet below surface:	86.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02-09	Feet below surface:	86.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02-02	Feet below surface:	86.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01-26	Feet below surface:	89.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01-19	Feet below surface:	92.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01-12	Feet below surface:	87.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01-05	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-29	Feet below surface:	87.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-22	Feet below surface:	85.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-15	Feet below surface:	87.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-08	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-01	Feet below surface:	91.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-11-24	Feet below surface:	90.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-11-17	Feet below surface:	91.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-11-10	Feet below surface:	95.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-11-03	Feet below surface:	92.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10-27	Feet below surface:	94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10-20	Feet below surface:	93.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10-14	Feet below surface:	94.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10-01	Feet below surface:	98.90
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1947-09-22	Feet below surface:	98.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-09-15	Feet below surface:	98.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-09-08	Feet below surface:	100.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-09-02	Feet below surface:	100.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-08-25	Feet below surface:	100.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-08-18	Feet below surface:	100.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-08-11	Feet below surface:	101.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-08-01	Feet below surface:	100.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-07-21	Feet below surface:	98.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-07-14	Feet below surface:	98.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-07-07	Feet below surface:	94.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-07-01	Feet below surface:	96.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06-23	Feet below surface:	96.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06-17	Feet below surface:	94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06-10	Feet below surface:	93.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06-02	Feet below surface:	91.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-05-26	Feet below surface:	92.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-05-19	Feet below surface:	100.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-05-12	Feet below surface:	92.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-05-01	Feet below surface:	90.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-04-21	Feet below surface:	91.90
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1947-04-14	Feet below surface:	91.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-04-07	Feet below surface:	87.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-03-24	Feet below surface:	82.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-03-17	Feet below surface:	83.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-03-10	Feet below surface:	82.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-28	Feet below surface:	82.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-24	Feet below surface:	82.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-17	Feet below surface:	82.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-10	Feet below surface:	81.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-03	Feet below surface:	82.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01-28	Feet below surface:	80.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01-20	Feet below surface:	79.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01-13	Feet below surface:	79.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01-02	Feet below surface:	80.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-12-23	Feet below surface:	81.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-12-16	Feet below surface:	81.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-12-09	Feet below surface:	82.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-12-02	Feet below surface:	82.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11-25	Feet below surface:	83.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11-18	Feet below surface:	86.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11-12	Feet below surface:	84.70
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1946-11-01	Feet below surface:	86.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10-21	Feet below surface:	89.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10-14	Feet below surface:	93.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10-07	Feet below surface:	92.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10-01	Feet below surface:	95.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-09-23	Feet below surface:	95.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-09-09	Feet below surface:	97.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-09-03	Feet below surface:	98.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-08-19	Feet below surface:	101.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-08-12	Feet below surface:	93.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-08-01	Feet below surface:	97.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07-26	Feet below surface:	94.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07-15	Feet below surface:	93.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07-09	Feet below surface:	96.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07-01	Feet below surface:	93.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-06-24	Feet below surface:	92.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-06-17	Feet below surface:	95.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-06-10	Feet below surface:	93.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-06-01	Feet below surface:	90.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-05-20	Feet below surface:	86.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-05-15	Feet below surface:	86.30
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1946-05-01	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04-22	Feet below surface:	83.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04-15	Feet below surface:	82.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04-08	Feet below surface:	80.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04-01	Feet below surface:	86.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03-23	Feet below surface:	86.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03-18	Feet below surface:	88.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03-09	Feet below surface:	86.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03-01	Feet below surface:	84.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-02-19	Feet below surface:	84.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-02-11	Feet below surface:	80.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-02-01	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-01-21	Feet below surface:	82.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-01-14	Feet below surface:	80.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-01-07	Feet below surface:	80.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-31	Feet below surface:	84.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-24	Feet below surface:	82.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-07	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-01	Feet below surface:	86.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-11-23	Feet below surface:	89.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-11-17	Feet below surface:	89.00
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1945-11-08	Feet below surface:	90.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-11-01	Feet below surface:	90.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10-22	Feet below surface:	89.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10-15	Feet below surface:	88.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10-06	Feet below surface:	91.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10-01	Feet below surface:	93.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-09-22	Feet below surface:	92.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-09-14	Feet below surface:	93.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-09-08	Feet below surface:	93.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-31	Feet below surface:	92.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-25	Feet below surface:	92.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-18	Feet below surface:	102.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-11	Feet below surface:	102.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-01	Feet below surface:	97.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-07-21	Feet below surface:	95.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-07-14	Feet below surface:	93.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-07-07	Feet below surface:	93.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06-30	Feet below surface:	93.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06-23	Feet below surface:	91.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06-16	Feet below surface:	90.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06-09	Feet below surface:	88.70
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1945-06-01	Feet below surface:	90.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-05-26	Feet below surface:	89.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-05-19	Feet below surface:	86.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-05-12	Feet below surface:	89.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-05-01	Feet below surface:	86.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-04-21	Feet below surface:	84.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-04-14	Feet below surface:	86.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-04-07	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-04-02	Feet below surface:	85.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-24	Feet below surface:	84.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-17	Feet below surface:	79.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-10	Feet below surface:	84.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-01	Feet below surface:	84.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-02-17	Feet below surface:	88.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01-20	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01-13	Feet below surface:	87.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01-06	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01-02	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-12-23	Feet below surface:	85.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-12-16	Feet below surface:	85.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-12-09	Feet below surface:	87.10
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1944-11-25	Feet below surface:	83.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11-18	Feet below surface:	82.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11-10	Feet below surface:	83.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11-01	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10-21	Feet below surface:	88.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10-14	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10-07	Feet below surface:	85.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10-02	Feet below surface:	87.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09-23	Feet below surface:	84.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09-16	Feet below surface:	83.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09-08	Feet below surface:	86.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09-01	Feet below surface:	87.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-08-26	Feet below surface:	86.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-08-19	Feet below surface:	85.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-08-12	Feet below surface:	83.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-31	Feet below surface:	80.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-22	Feet below surface:	86.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-15	Feet below surface:	83.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-08	Feet below surface:	87.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-01	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-06-24	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1944-06-17	Feet below surface:	83.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-06-10	Feet below surface:	86.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-05-31	Feet below surface:	84.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-05-20	Feet below surface:	80.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-05-13	Feet below surface:	79.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-05-06	Feet below surface:	78.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-29	Feet below surface:	77.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-22	Feet below surface:	78.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-15	Feet below surface:	78.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-08	Feet below surface:	76.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-01	Feet below surface:	76.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-25	Feet below surface:	74.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-18	Feet below surface:	72.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-11	Feet below surface:	72.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-01	Feet below surface:	71.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-02-19	Feet below surface:	71.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-02-11	Feet below surface:	71.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-31	Feet below surface:	71.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-22	Feet below surface:	68.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-15	Feet below surface:	69.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-08	Feet below surface:	69.40
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1943-12-31	Feet below surface:	69.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-24	Feet below surface:	73.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-18	Feet below surface:	73.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-11	Feet below surface:	73.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-01	Feet below surface:	74.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-11-20	Feet below surface:	80.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-11-13	Feet below surface:	78.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-11-06	Feet below surface:	84.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-29	Feet below surface:	82.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-23	Feet below surface:	84.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-16	Feet below surface:	79.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-08	Feet below surface:	88.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-01	Feet below surface:	87.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-09-25	Feet below surface:	87.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-09-18	Feet below surface:	85.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-09-11	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-09-01	Feet below surface:	81.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-08-21	Feet below surface:	80.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-08-14	Feet below surface:	80.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-08-07	Feet below surface:	79.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-08-01	Feet below surface:	79.10
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1943-07-24	Feet below surface:	78.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-07-17	Feet below surface:	77.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-07-10	Feet below surface:	76.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06-30	Feet below surface:	78.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06-19	Feet below surface:	76.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06-12	Feet below surface:	74.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06-01	Feet below surface:	72.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-05-22	Feet below surface:	73.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-05-15	Feet below surface:	72.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-05-08	Feet below surface:	69.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04-30	Feet below surface:	72.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04-24	Feet below surface:	67.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04-17	Feet below surface:	65.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-31	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-20	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-13	Feet below surface:	62.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-06	Feet below surface:	61.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-01	Feet below surface:	63.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-02-20	Feet below surface:	63.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-02-13	Feet below surface:	62.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-01-29	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1943-01-16	Feet below surface:	64.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-01-09	Feet below surface:	64.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12-21	Feet below surface:	65.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12-12	Feet below surface:	64.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12-01	Feet below surface:	65.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-11-21	Feet below surface:	64.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-11-07	Feet below surface:	64.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-11-02	Feet below surface:	64.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10-24	Feet below surface:	67.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10-17	Feet below surface:	66.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10-10	Feet below surface:	66.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09-30	Feet below surface:	66.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09-19	Feet below surface:	66.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09-12	Feet below surface:	67.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09-01	Feet below surface:	68.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08-22	Feet below surface:	69.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08-15	Feet below surface:	70.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08-08	Feet below surface:	70.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08-01	Feet below surface:	69.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07-25	Feet below surface:	69.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07-17	Feet below surface:	69.00
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1942-07-11	Feet below surface:	71.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07-01	Feet below surface:	68.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-06-21	Feet below surface:	67.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-06-13	Feet below surface:	68.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-06-06	Feet below surface:	67.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-06-01	Feet below surface:	67.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-05-23	Feet below surface:	65.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-05-16	Feet below surface:	62.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-05-09	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-05-01	Feet below surface:	59.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-04-25	Feet below surface:	57.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-04-18	Feet below surface:	58.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-04-11	Feet below surface:	59.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-03-31	Feet below surface:	63.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-03-21	Feet below surface:	57.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-03-14	Feet below surface:	58.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-03-07	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02-28	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02-21	Feet below surface:	61.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02-14	Feet below surface:	62.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02-07	Feet below surface:	59.90
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1942-01-24	Feet below surface:	59.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-01-17	Feet below surface:	59.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-01-10	Feet below surface:	59.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-20	Feet below surface:	58.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-13	Feet below surface:	59.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-11-15	Feet below surface:	67.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-11-08	Feet below surface:	65.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-31	Feet below surface:	73.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-25	Feet below surface:	74.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-18	Feet below surface:	75.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-11	Feet below surface:	72.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-01	Feet below surface:	73.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09-20	Feet below surface:	69.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09-13	Feet below surface:	76.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09-02	Feet below surface:	77.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-08-23	Feet below surface:	75.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-08-09	Feet below surface:	68.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-08-01	Feet below surface:	65.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-26	Feet below surface:	64.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-19	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-12	Feet below surface:	68.90
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1941-07-07	Feet below surface:	67.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-01	Feet below surface:	67.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-06-21	Feet below surface:	64.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-06-14	Feet below surface:	63.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-06-07	Feet below surface:	69.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-06-02	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-05-24	Feet below surface:	61.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-05-17	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-05-10	Feet below surface:	60.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-30	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-19	Feet below surface:	56.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-12	Feet below surface:	55.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-31	Feet below surface:	56.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-22	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-15	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-08	Feet below surface:	54.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02-28	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02-21	Feet below surface:	54.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02-15	Feet below surface:	55.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02-08	Feet below surface:	56.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-31	Feet below surface:	56.30
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1941-01-25	Feet below surface:	56.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-18	Feet below surface:	56.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-11	Feet below surface:	57.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-02	Feet below surface:	57.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-12-21	Feet below surface:	60.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-12-07	Feet below surface:	63.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-12-02	Feet below surface:	62.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11-23	Feet below surface:	64.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11-16	Feet below surface:	64.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11-09	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11-01	Feet below surface:	63.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10-26	Feet below surface:	66.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10-19	Feet below surface:	66.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10-11	Feet below surface:	67.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10-01	Feet below surface:	68.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-09-21	Feet below surface:	68.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-09-14	Feet below surface:	73.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-09-07	Feet below surface:	75.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08-30	Feet below surface:	77.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08-24	Feet below surface:	75.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08-17	Feet below surface:	77.40
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1940-08-10	Feet below surface:	73.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08-01	Feet below surface:	71.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07-20	Feet below surface:	72.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07-13	Feet below surface:	71.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07-06	Feet below surface:	69.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07-01	Feet below surface:	71.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-06-22	Feet below surface:	72.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-06-15	Feet below surface:	71.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-06-08	Feet below surface:	70.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-31	Feet below surface:	69.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-24	Feet below surface:	66.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-18	Feet below surface:	67.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-11	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-01	Feet below surface:	60.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-04-20	Feet below surface:	61.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-04-13	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-04-06	Feet below surface:	56.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-04-01	Feet below surface:	57.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-23	Feet below surface:	59.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-16	Feet below surface:	60.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-09	Feet below surface:	57.80
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1940-03-01	Feet below surface:	55.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-23	Feet below surface:	56.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-16	Feet below surface:	55.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-09	Feet below surface:	55.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-30	Feet below surface:	56.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-19	Feet below surface:	56.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-12	Feet below surface:	58.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-06	Feet below surface:	58.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-02	Feet below surface:	59.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12-23	Feet below surface:	63.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12-15	Feet below surface:	66.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12-08	Feet below surface:	63.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12-01	Feet below surface:	64.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-25	Feet below surface:	63.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-18	Feet below surface:	64.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-13	Feet below surface:	61.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-01	Feet below surface:	63.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-10-21	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-10-14	Feet below surface:	62.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-10-07	Feet below surface:	61.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-30	Feet below surface:	64.10
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1939-09-23	Feet below surface:	69.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-16	Feet below surface:	65.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-11	Feet below surface:	67.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-01	Feet below surface:	72.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-26	Feet below surface:	71.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-19	Feet below surface:	71.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-18	Feet below surface:	68.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-12	Feet below surface:	72.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-05	Feet below surface:	72.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07-31	Feet below surface:	72.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07-22	Feet below surface:	71.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07-15	Feet below surface:	68.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07-08	Feet below surface:	66.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-06-30	Feet below surface:	68.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-06-17	Feet below surface:	67.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-06-10	Feet below surface:	67.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-06-09	Feet below surface:	65.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-31	Feet below surface:	65.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-20	Feet below surface:	62.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-13	Feet below surface:	62.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-09	Feet below surface:	60.99
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1939-05-06	Feet below surface:	60.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-01	Feet below surface:	57.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04-22	Feet below surface:	57.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04-15	Feet below surface:	57.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04-08	Feet below surface:	56.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-31	Feet below surface:	54.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-25	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-18	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-11	Feet below surface:	55.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-07	Feet below surface:	56.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-01	Feet below surface:	55.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02-20	Feet below surface:	53.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02-11	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02-06	Feet below surface:	52.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-31	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-21	Feet below surface:	53.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-14	Feet below surface:	54.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-13	Feet below surface:	53.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-07	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-31	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-24	Feet below surface:	54.70
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1938-12-17	Feet below surface:	58.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-10	Feet below surface:	59.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-01	Feet below surface:	59.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-11-19	Feet below surface:	60.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-11-14	Feet below surface:	62.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-11-12	Feet below surface:	59.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-11-05	Feet below surface:	60.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-31	Feet below surface:	62.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-25	Feet below surface:	66.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-22	Feet below surface:	63.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-15	Feet below surface:	65.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-08	Feet below surface:	66.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-01	Feet below surface:	65.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-09-26	Feet below surface:	63.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-09-24	Feet below surface:	64.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-09-17	Feet below surface:	65.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-09-12	Feet below surface:	66.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-31	Feet below surface:	65.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-22	Feet below surface:	64.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-15	Feet below surface:	65.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-08	Feet below surface:	64.70
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1938-08-03	Feet below surface:	64.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-01	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-07-25	Feet below surface:	63.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-07-18	Feet below surface:	64.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-07-11	Feet below surface:	63.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-30	Feet below surface:	63.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-20	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-13	Feet below surface:	59.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-07	Feet below surface:	60.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-01	Feet below surface:	58.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-23	Feet below surface:	58.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-16	Feet below surface:	59.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-09	Feet below surface:	58.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-06	Feet below surface:	57.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-02	Feet below surface:	56.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-04-25	Feet below surface:	58.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-04-18	Feet below surface:	59.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-04-11	Feet below surface:	59.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-04-01	Feet below surface:	58.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-03-28	Feet below surface:	56.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-03-14	Feet below surface:	54.70
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1938-03-07	Feet below surface:	53.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-21	Feet below surface:	53.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-14	Feet below surface:	53.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-07	Feet below surface:	53.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-02	Feet below surface:	53.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-30	Feet below surface:	53.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-25	Feet below surface:	53.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-24	Feet below surface:	53.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-17	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-10	Feet below surface:	54.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-03	Feet below surface:	54.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-12-27	Feet below surface:	54.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-12-20	Feet below surface:	55.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-12-13	Feet below surface:	56.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-12-06	Feet below surface:	57.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-30	Feet below surface:	57.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-22	Feet below surface:	58.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-15	Feet below surface:	60.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-12	Feet below surface:	60.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-08	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-01	Feet below surface:	61.80
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1937-10-25	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-10-22	Feet below surface:	63.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-10-18	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-10-11	Feet below surface:	64.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-30	Feet below surface:	66.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-20	Feet below surface:	67.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-14	Feet below surface:	68.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-13	Feet below surface:	69.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-07	Feet below surface:	68.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-31	Feet below surface:	64.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-23	Feet below surface:	67.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-20	Feet below surface:	67.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-16	Feet below surface:	68.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-09	Feet below surface:	67.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-02	Feet below surface:	67.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-07-26	Feet below surface:	67.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-07-19	Feet below surface:	67.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-07-15	Feet below surface:	67.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-07-01	Feet below surface:	66.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-06-21	Feet below surface:	65.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-06-08	Feet below surface:	63.51
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1937-06-01	Feet below surface:	62.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-05-17	Feet below surface:	63.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-05-01	Feet below surface:	61.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-04-06	Feet below surface:	58.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-04-01	Feet below surface:	56.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-03-16	Feet below surface:	57.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-02-08	Feet below surface:	56.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-02-04	Feet below surface:	57.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-01-12	Feet below surface:	57.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-01-02	Feet below surface:	58.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-12-12	Feet below surface:	62.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-11-30	Feet below surface:	64.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-11-19	Feet below surface:	65.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-11-02	Feet below surface:	61.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-10-13	Feet below surface:	66.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-10-01	Feet below surface:	66.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-09-18	Feet below surface:	68.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-08-31	Feet below surface:	69.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-08-30	Feet below surface:	68.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-08-24	Feet below surface:	68.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-08-17	Feet below surface:	67.87
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1936-08-14	Feet below surface:	68.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-07-28	Feet below surface:	69.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-06-30	Feet below surface:	68.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-06-09	Feet below surface:	67.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-06-01	Feet below surface:	65.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-05-15	Feet below surface:	65.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-04-30	Feet below surface:	62.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-04-20	Feet below surface:	62.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-04-02	Feet below surface:	61.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-03-20	Feet below surface:	60.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-03-02	Feet below surface:	63.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-02-18	Feet below surface:	56.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-01-13	Feet below surface:	59.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-12-16	Feet below surface:	62.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-11-18	Feet below surface:	63.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-10-25	Feet below surface:	73.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-10-21	Feet below surface:	71.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-10-14	Feet below surface:	71.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-10-07	Feet below surface:	71.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-30	Feet below surface:	71.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-23	Feet below surface:	73.95
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1935-09-17	Feet below surface:	72.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-16	Feet below surface:	72.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-10	Feet below surface:	70.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-03	Feet below surface:	72.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-08-19	Feet below surface:	72.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-07-23	Feet below surface:	73.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-07-22	Feet below surface:	75.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-07-01	Feet below surface:	71.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-06-14	Feet below surface:	71.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-05-14	Feet below surface:	66.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-04-23	Feet below surface:	63.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-04-16	Feet below surface:	62.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-03-22	Feet below surface:	62.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-02-18	Feet below surface:	62.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-01-15	Feet below surface:	61.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-12-15	Feet below surface:	65.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-11-07	Feet below surface:	67.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-10-29	Feet below surface:	66.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-07-24	Feet below surface:	73.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-07-20	Feet below surface:	74.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-07-14	Feet below surface:	73.98
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1934-06-26	Feet below surface:	71.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-06-12	Feet below surface:	68.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-05-18	Feet below surface:	73.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-04-21	Feet below surface:	67.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-04-06	Feet below surface:	65.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-30	Feet below surface:	63.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-23	Feet below surface:	62.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-20	Feet below surface:	61.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-16	Feet below surface:	61.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-09	Feet below surface:	59.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-02	Feet below surface:	57.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-02-23	Feet below surface:	59.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-02-16	Feet below surface:	61.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-02-09	Feet below surface:	60.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-02-02	Feet below surface:	61.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-01-26	Feet below surface:	60.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-01-19	Feet below surface:	60.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-01-12	Feet below surface:	59.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-01-21	Feet below surface:	62.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-01-18	Feet below surface:	63.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-01-11	Feet below surface:	63.36
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1933-01-04	Feet below surface:	61.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-28	Feet below surface:	62.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-21	Feet below surface:	61.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-14	Feet below surface:	62.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-07	Feet below surface:	65.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-30	Feet below surface:	65.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-23	Feet below surface:	66.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-16	Feet below surface:	66.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-10	Feet below surface:	66.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-02	Feet below surface:	65.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-10-26	Feet below surface:	65.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-10-22	Feet below surface:	65.38
Feet to sea level:	Not Reported	Note:	Not Reported

3
NNW
1/2 - 1 Mile
Higher

FED USGS USGS40000138518

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W115003S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	113
Well Depth Units:	ft	Well Hole Depth:	167
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

4
East
1/2 - 1 Mile
Higher

FRDS PWS CA3600767

Epa region: 09
Pwsid: CA3600767
Cityserved: Not Reported
Ziperved: Not Reported
Status: Active
Pwssvconn: 1
Pwstype: TNCWS
Contact: Michael Dermody
Contactphone: 9097942926
Contactaddress2: Not Reported
Contactstate: CA
Pwsactivitycode: A

State: CA
Pwsname: CAMP TAHQUITZ
Stateserved: CA
Fipscounty: 06071
Retpopsrvd: 100
Psource longname: Groundwater
Owner: Private
Contactorgname: Camp Tahquitz BSA
Contactaddress1: PO Box 7338
Contactcity: Long Beach
Contactzip: 90807

PWS ID: CA3600767
PWS name: CAMP TAHQUITZ, BSA
PWS city: LONG BEACH
PWS zip: 908070000
PWS type code: NC
Contact: Michael Dermody
Contact address: Long Beach
Contact state: 90
Contact telephone: Not Reported

PWS type: System Owner/Responsible Party
PWS address: Not Reported
PWS state: CA
PWS name: Camp Tahquitz, BSA
Retail population served: 25
Contact address: PO Box 7338
Contact city: CA
Contact zip: 9097942926

PWS ID: CA3600767
Date system activated: 7706
Retail population: 00000025
System address: CAMP TAHQUITZ, BSA
System city: BARTON FLATS
System zip: 94234

Activity status: Active
Date system deactivated: Not Reported
System name: CAMP TAHQUITZ
System address: 017TH T01NR01E
System state: CA

Population served: Under 101 Persons

Treatment: Untreated

Latitude: 334942

Longitude: 1181106

Violation id: 0000002
State: CA
Contamination code: 3100
Violation code: 23
Rule code: 110
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: 09/30/2000

Orig code: S
Violation Year: 2000
Contamination Name: Coliform (TCR)
Violation name: Monitoring, Routine Major (TCR)
Rule name: TCR
Unit of measure: Not Reported
Cmp bdt: 07/01/2000

Violation id: 0100001
State: CA
Contamination code: 3100
Violation code: 23
Rule code: 110
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: 12/31/2000

Orig code: S
Violation Year: 2000
Contamination Name: Coliform (TCR)
Violation name: Monitoring, Routine Major (TCR)
Rule name: TCR
Unit of measure: Not Reported
Cmp bdt: 10/01/2000

Violation id: 0200001
State: CA
Contamination code: 3100

Orig code: S
Violation Year: 2001
Contamination Name: Coliform (TCR)

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2001
Cmp edt:	12/31/2001		
Violation id:	1300001	Orig code:	S
State:	CA	Violation Year:	2012
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	21	Violation name:	MCL, Acute (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2012
Cmp edt:	10/31/2012		
System Name:	CAMP TAHQUITZ, BSA	Violation Type:	23
Contaminant:	3100	Compliance Begin:	7/1/2000 0:00:00
Compliance End:	9/30/2000 0:00:00	Violation ID:	0066002
Enforcement Date:	4/12/2007 0:00:00	Enforcement Action:	Not Reported
System Name:	CAMP TAHQUITZ, BSA	Violation Type:	23
Contaminant:	3100	Compliance Begin:	7/1/2000 0:00:00
Compliance End:	9/30/2000 0:00:00	Violation ID:	0066002
Enforcement Date:	No Enf Action as of	Enforcement Action:	10/17/2006 0:00:00
System Name:	CAMP TAHQUITZ, BSA	Violation Type:	23
Contaminant:	3100	Compliance Begin:	10/1/2000 0:00:00
Compliance End:	12/31/2000 0:00:00	Violation ID:	0166001
Enforcement Date:	No Enf Action as of	Enforcement Action:	10/17/2006 0:00:00
System Name:	CAMP TAHQUITZ, BSA	Violation Type:	23
Contaminant:	3100	Compliance Begin:	10/1/2000 0:00:00
Compliance End:	12/31/2000 0:00:00	Violation ID:	0166001
Enforcement Date:	4/12/2007 0:00:00	Enforcement Action:	Not Reported
System Name:	CAMP TAHQUITZ, BSA	Violation Type:	23
Contaminant:	3100	Compliance Begin:	1995-01-01
Compliance End:	1995-03-31	Violation ID:	9566001
Enforcement Date:	Not Reported	Enforcement Action:	Not Reported
System Name:	CAMP TAHQUITZ, BSA	Violation Type:	23
Contaminant:	3100	Compliance Begin:	1995-10-01
Compliance End:	1995-12-31	Violation ID:	9666002
Enforcement Date:	Not Reported	Enforcement Action:	Not Reported
Violation ID:	0000001	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	05/20/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0000002	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	05/20/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0100001	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	05/20/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0200001	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	01/31/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID: 1300001
Enforcement FY: 2013
Enforcement Detail: St AO (w/o penalty) issued
Enforcement Category: Formal

Orig Code: S
Enforcement Action: 10/25/2012

Violation ID: 9700001
Enforcement FY: 2010
Enforcement Detail: St Compliance achieved

Orig Code: S
Enforcement Action: 05/20/2010
Enforcement Category: Resolving

Violation ID: 9800001
Enforcement FY: 2010
Enforcement Detail: St Compliance achieved

Orig Code: S
Enforcement Action: 05/20/2010
Enforcement Category: Resolving

PWS name: Camp Tahquitz, BSA
PWS type code: NC
Contaminant: COLIFORM (TCR)
Compliance start date: 7/1/2000 0:00:00
Enforcement date: No Enf Action as of
Violation measurement: Not Reported

Population served: 25
Violation ID: 0000002
Violation type: Monitoring, Routine Major (TCR)
Compliance end date: 9/30/2000 0:00:00
Enforcement action: 7/8/2009 0:00:00

PWS name: Camp Tahquitz, BSA
PWS type code: NC
Contaminant: COLIFORM (TCR)
Compliance start date: 10/1/2000 0:00:00
Enforcement date: No Enf Action as of
Violation measurement: Not Reported

Population served: 25
Violation ID: 0100001
Violation type: Monitoring, Routine Major (TCR)
Compliance end date: 12/31/2000 0:00:00
Enforcement action: 7/8/2009 0:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A1
ENE
0 - 1/8 Mile

OIL_GAS CAOG13000131319

API #:	0403709789	Well #:	6-2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Pacific Energy Resources Ltd.		
Lease Name:	Nwlbu	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

A2
NNW
0 - 1/8 Mile

OIL_GAS CAOG13000131323

API #:	0403709793	Well #:	8-2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Pacific Energy Resources Ltd.		
Lease Name:	Nwlbu	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

A3
NE
0 - 1/8 Mile

OIL_GAS CAOG13000133439

API #:	0403725193	Well #:	2A
Well Status:	Plugged	Well Type:	CH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Bixby Core Hole
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A4
NNW
0 - 1/8 Mile

OIL_GAS CAOG13000131322

API #:	0403709792	Well #:	8-1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Pacific Energy Resources Ltd.		
Lease Name:	Nwlbu	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A5
NNE
0 - 1/8 Mile

OIL_GAS CAOG13000131318

API #:	0403709788	Well #:	6-1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Pacific Energy Resources Ltd.		
Lease Name:	Nwlbu	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

A6
SE
0 - 1/8 Mile

OIL_GAS CAOG13000132060

API #:	0403708855	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Gen. Exp. Amebco
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A7
East
0 - 1/8 Mile

OIL_GAS CAOG13000131325

API #:	0403709795	Well #:	5-1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Pacific Energy Resources Ltd.		
Lease Name:	Nwlbu	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

8
SSW
0 - 1/8 Mile

OIL_GAS CAOG13000133441

API #:	0403725195	Well #:	4
Well Status:	Plugged	Well Type:	CH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Bixby Core Hole
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B9

SE

0 - 1/8 Mile

OIL_GAS

CAOG13000131092

API #:	0403709554	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Winrock-Willis
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

B10

ESE

0 - 1/8 Mile

OIL_GAS

CAOG13000131326

API #:	0403709796	Well #:	5-3
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	05/05/1938

B11

SSE

0 - 1/8 Mile

OIL_GAS

CAOG13000131091

API #:	0403709553	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Winrock-Encinas
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C12

NW

1/8 - 1/4 Mile

OIL_GAS

CAOG13000133498

API #:	0403722295	Well #:	8-5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Sun Exploration & Production Co.	Field Name:	Long Beach
Lease Name:	Nwlbu	GIS Source:	hud
Area Name:	Old	Directionally Drilled:	N
Confidential Well:	N		
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

13

NE

1/8 - 1/4 Mile

OIL_GAS

CAOG13000133443

API #:	0403725197	Well #:	6
Well Status:	Plugged	Well Type:	CH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Bixby Core Hole
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

B14

ESE

1/8 - 1/4 Mile

OIL_GAS

CAOG13000131327

API #:	0403709797	Well #:	5-4
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

D15

ESE

1/8 - 1/4 Mile

OIL_GAS

CAOG13000133521

API #:	0403700397	Well #:	5-2
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	04/08/1938

16

North

1/8 - 1/4 Mile

OIL_GAS

CAOG13000132772

API #:	0403711306	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Phillips Petroleum Company		
Lease Name:	Pacific Electric	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C17
NNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000132963

API #:	0403713525	Well #:	9-2
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	02/06/1938

E18
NNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000133501

API #:	0403722512	Well #:	8-7
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	08/24/1981

E19
NNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000132858

API #:	0403706415	Well #:	8-4
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

E20
NNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000131984

API #:	0403706496	Well #:	8-3
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	11/05/1937

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

E21
NNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000131321

API #:	0403709791	Well #:	9-3
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	10/02/1937

D22
ESE
1/8 - 1/4 Mile

OIL_GAS CAOG13000132125

API #:	0403708920	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Bixby	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

E23
NNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000133519

API #:	0403700392	Well #:	9-4
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	08/27/1940

F24
ESE
1/4 - 1/2 Mile

OIL_GAS CAOG13000132126

API #:	0403708921	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Bixby	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

E25
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG13000133520

API #:	0403700393	Well #:	9-6
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

E26
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG13000133541

API #:	0403700142	Well #:	9-5
Well Status:	Plugged	Well Type:	OG
Operator Name:	CRG Properties Ltd.	Lease Name:	Nwlbu
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	08/27/1940

27
SE
1/4 - 1/2 Mile

OIL_GAS CAOG13000133438

API #:	0403725192	Well #:	1
Well Status:	Plugged	Well Type:	CH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Bixby Core Hole
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

F28
SE
1/4 - 1/2 Mile

OIL_GAS CAOG13000131078

API #:	0403709540	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Shell-Amebco
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G29

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130894

API #:	0403709354	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Delaney Petroleum Corp.	Lease Name:	Lease by Delaney Petroleum Corp.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

F30

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132127

API #:	0403708922	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Bixby	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

H31

South

1/4 - 1/2 Mile

OIL_GAS

CAOG13000005391

API #:	0403705631	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Marvel Oil Co.	Lease Name:	Christenson
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

I32

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130890

API #:	0403709350	Well #:	35
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. J. Delaney	Lease Name:	Lease by A. J. Delaney
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

F33

SE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132066

API #:	0403708861	Well #:	54
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Johnston-Mcdonald
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

F34

SE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000133339

API #:	0403712673	Well #:	53
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

I35

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131411

API #:	0403709884	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Queen and Scott	Lease Name:	Scott
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G36

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131274

API #:	0403709741	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	J. Farbstein	Lease Name:	Lease by J. Farbstein
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G37

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130886

API #: 0403709346
Well Status: Plugged
Operator Name: A. J. Delaney
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 24
Well Type: OG
Lease Name: Lease by A. J. Delaney
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

G38

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132164

API #: 0403708959
Well Status: Plugged
Operator Name: Atlantic Richfield Company
Lease Name: Ketchum
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Well #: 1
Well Type: OG
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

I39

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000133166

API #: 0403712179
Well Status: Plugged
Operator Name: Woolner Oil Corp., Ltd.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 3
Well Type: OG
Lease Name: L.B. Fee
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

J40

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000133340

API #: 0403712674
Well Status: Plugged
Operator Name: A. S. Johnston Drilling Corp.
Lease Name: Lease by A. S. Johnston Drilling Corp.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 33
Well Type: OG
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J41
ESE
1/4 - 1/2 Mile

OIL_GAS CAOG13000132124

API #: 0403708919
Well Status: Plugged
Operator Name: Atlantic Richfield Company
Lease Name: Bixby
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Well #: 3
Well Type: OG
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

42
North
1/4 - 1/2 Mile

OIL_GAS CAOG13000130788

API #: 0403709248
Well Status: Plugged
Operator Name: Berry-Loukonen Ltd.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Jones
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

H43
South
1/4 - 1/2 Mile

OIL_GAS CAOG13000133442

API #: 0403725196
Well Status: Plugged
Operator Name: Shell Western E&P Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 5
Well Type: CH
Lease Name: Bixby Core Hole
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

K44
ESE
1/4 - 1/2 Mile

OIL_GAS CAOG13000131910

API #: 0403710400
Well Status: Plugged
Operator Name: National Gas Syndicate
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Lease by National Gas Syndicate
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

L45

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000133408

API #: 0403710603
Well Status: Idle
Operator Name: M. W. Mcvey
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Mcvey
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

K46

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130828

API #: 0403709288
Well Status: Plugged
Operator Name: Adams & Moore
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Lease by Adams & Moore
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

K47

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132337

API #: 0403710765
Well Status: Plugged
Operator Name: Chevron U.S.A. Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Vallette
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

L48

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000133204

API #: 0403711782
Well Status: Plugged
Operator Name: Transport Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 15
Well Type: OG
Lease Name: Lease by Transport Oil Co.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K49

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132874

API #:	0403708388	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Mckeeon-Cerritos	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

K50

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131702

API #:	0403710185	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Olsen-Oliver	Lease Name:	Wallace
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

I51

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132188

API #:	0403710528	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Geo. W. Johnson	Lease Name:	Lease by Geo. W. Johnson
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K52

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132025

API #:	0403708817	Well #:	21
Well Status:	Plugged	Well Type:	OG
Operator Name:	R. R. Bush Oil Co.	Lease Name:	Lease by R. R. Bush Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

L53

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131415

API #:	0403709888	Well #:	2
Well Status:	Idle	Well Type:	OG
Operator Name:	Reliance Home Investment Co.		
Lease Name:	Lease by Reliance Home Investment Co.		
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

M54

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130888

API #:	0403709348	Well #:	30
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. J. Delaney	Lease Name:	Lease by A. J. Delaney
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

55

NE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132879

API #:	0403708393	Well #:	51
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	O'Donnell	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

J56

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132121

API #:	0403708916	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Bixby	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J57

SE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000133341

API #:	0403712675	Well #:	34
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K58

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131416

API #:	0403709889	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Reliance Home Investment Co.		
Lease Name:	Lease by Reliance Home Investment Co.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K59

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131275

API #:	0403709742	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	J. Farbstein	Lease Name:	Lease by J. Farbstein
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L60

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131549

API #:	0403710025	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Geo. W. Johnson	Lease Name:	Lease by Geo. W. Johnson
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K61

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131980

API #:	0403710473	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Santa Cruz Island Co.	Lease Name:	Lineberger
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K62

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131336

API #:	0403709806	Well #:	11
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	L.B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K63

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131553

API #:	0403710029	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Lacy, McLachlen & Lacy	Lease Name:	McLachlen
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L64

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132186

API #:	0403710526	Well #:	4-A
Well Status:	Plugged	Well Type:	OG
Operator Name:	Geo. W. Johnson	Lease Name:	Lease by Geo. W. Johnson
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

L65

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131676

API #: 0403710159

Well #: 1

Well Status: Plugged

Well Type: OG

Operator Name: J. E. O'Donnell

Lease Name: Jonte

Field Name: Long Beach

Area Name: Northwest Extension

GIS Source: hud

Confidential Well: N

Directionally Drilled: N

SPUD Date: Not Reported

K66

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131580

API #: 0403710058

Well #: 1

Well Status: Plugged

Well Type: OG

Operator Name: Lowry Hydraulic Co. Inc.

Lease Name: Davis

Field Name: Long Beach

Area Name: Northwest Extension

GIS Source: hud

Confidential Well: N

Directionally Drilled: N

SPUD Date: Not Reported

L67

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130883

API #: 0403709343

Well #: 16

Well Status: Plugged

Well Type: OG

Operator Name: A. J. Delaney

Lease Name: Lease by A. J. Delaney

Field Name: Long Beach

Area Name: Northwest Extension

GIS Source: hud

Confidential Well: N

Directionally Drilled: N

SPUD Date: Not Reported

M68

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132894

API #: 0403708408

Well #: 1

Well Status: Plugged

Well Type: OG

Operator Name: Atlantic Richfield Company

Lease Name: Cook

Field Name: Long Beach

Area Name: Northwest Extension

Confidential Well: N

GIS Source: hud

SPUD Date: Not Reported

Directionally Drilled: N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K69

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130790

API #: 0403709250
Well Status: Plugged
Operator Name: R. H. Bess
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Lease by R. H. Bess
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

M70

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000133414

API #: 0403710609
Well Status: Plugged
Operator Name: Tom R. Merrell
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 54
Well Type: OG
Lease Name: Lease by Tom R. Merrell
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

K71

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131226

API #: 0403709692
Well Status: Plugged
Operator Name: E. L. Cragen
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Lease by E. L. Cragen
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

N72

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131701

API #: 0403710184
Well Status: Plugged
Operator Name: Olsen-Oliver
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1-1
Well Type: OG
Lease Name: Comm.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

O73

SE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132123

API #:	0403708918	Well #:	2-A
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Bixby	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

O74

SE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132086

API #:	0403708881	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Oil Company	Lease Name:	Mcdonald
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

P75

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132573

API #:	0403711103	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	K. L. Smith	Lease Name:	Smith
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

P76

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131196

API #:	0403709662	Well #:	5
Well Status:	Idle	Well Type:	OG
Operator Name:	E. E. Combs Business Trust No. 3		
Lease Name:	E. E. Combs	Field Name:	Long Beach
Area Name:	Old	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N77

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131979

API #:	0403710472	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Santa Cruz Island Co.	Lease Name:	Lineberger
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

78

SSE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000133440

API #:	0403725194	Well #:	3
Well Status:	Plugged	Well Type:	CH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Bixby Core Hole
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

P79

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132209

API #:	0403710549	Well #:	28
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

O80

SE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132212

API #:	0403710552	Well #:	38
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N81

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131556

API #:	0403710032	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Lake View Oil & Refining Co.		
Lease Name:	Lease by Lake View Oil & Refining Co.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q82

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130741

API #:	0403709195	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Taylor	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

N83

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130908

API #:	0403709369	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Delaney Petroleum Corp.	Lease Name:	Lineberger
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q84

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130737

API #:	0403709191	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Stakemiller	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q85

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132187

API #:	0403710527	Well #:	5
Well Status:	Idle	Well Type:	OG
Operator Name:	Geo. W. Johnson	Lease Name:	Lease by Geo. W. Johnson
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q86

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130740

API #:	0403709194	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Taylor	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

87

NW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131499

API #:	0403709975	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Hilo Oil Company	Lease Name:	Hilo-Northwest Extension
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R88

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132837

API #:	0403711371	Well #:	59
Well Status:	Plugged	Well Type:	OG
Operator Name:	Crown Central Petro. Corp.		
Lease Name:	Marine	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

S89

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130885

API #: 0403709345
Well Status: Plugged
Operator Name: A. J. Delaney
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 23
Well Type: OG
Lease Name: Lease by A. J. Delaney
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

O90

SE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131076

API #: 0403709538
Well Status: Plugged
Operator Name: State of California
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 2
Well Type: OG
Lease Name: Richfield-Bixby
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

P91

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000133084

API #: 0403712096
Well Status: Idle
Operator Name: A. P. Wallace
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 2
Well Type: OG
Lease Name: Lease by A. P. Wallace
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

O92

SE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132073

API #: 0403708868
Well Status: Plugged
Operator Name: State of California
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Markham-Maud Anna
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q93

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131333

API #:	0403709803	Well #:	12
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	King
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R94

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132285

API #:	0403710712	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Hilton
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

P95

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000130889

API #:	0403709349	Well #:	31
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. J. Delaney	Lease Name:	Lease by A. J. Delaney
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q96

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131564

API #:	0403710042	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	Law and Sanders	Lease Name:	Lease by Law and Sanders
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

S97

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131339

API #:	0403709809	Well #:	15
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	L.B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q98

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131338

API #:	0403709808	Well #:	14
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	L.B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

P99

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000133398

API #:	0403710593	Well #:	4
Well Status:	Idle	Well Type:	OG
Operator Name:	McAlpine Petro. Corp.	Lease Name:	Mcalpine
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q100

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000131316

API #:	0403709784	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	John F. Gallagher	Lease Name:	Gallagher
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

O101

SE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132064

API #:	0403708859	Well #:	35
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Johnston
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

P102

East

1/2 - 1 Mile

OIL_GAS

CAOG13000131295

API #:	0403709762	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	C. M. Flickinger	Lease Name:	Jennings
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q103

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000132095

API #:	0403708890	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Lease by Atlantic Richfield Company		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

O104

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130738

API #:	0403709192	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Stewart	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

T105
SSE
1/2 - 1 Mile

OIL_GAS CAOG13000131562

API #:	0403710039	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	G. A. Langstaff	Lease Name:	Bixby
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q106
East
1/2 - 1 Mile

OIL_GAS CAOG13000131340

API #:	0403709810	Well #:	16
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	L.B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R107
East
1/2 - 1 Mile

OIL_GAS CAOG13000131930

API #:	0403710421	Well #:	60
Well Status:	Plugged	Well Type:	OG
Operator Name:	Oceanview Oil Corp.	Lease Name:	Marine
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U108
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132211

API #:	0403710551	Well #:	37
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

V109
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130897

API #:	0403709357	Well #:	11
Well Status:	Plugged	Well Type:	OG
Operator Name:	Delaney Petroleum Corp.	Lease Name:	Lease by Delaney Petroleum Corp.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

W110
East
1/2 - 1 Mile

OIL_GAS CAOG13000131796

API #:	0403710280	Well #:	C-1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Wilshire
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U111
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131073

API #:	0403709535	Well #:	33
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Preston
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

W112
East
1/2 - 1 Mile

OIL_GAS CAOG13000132181

API #:	0403710520	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tom Sharp	Lease Name:	Sharp-Redick
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

W113
East
1/2 - 1 Mile

OIL_GAS CAOG13000132231

API #:	0403710571	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Keck Syndicate #5	Lease Name:	Modoc L.B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R114
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132627

API #:	0403711158	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	T. & M Petro. Co.	Lease Name:	Fee
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R115
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132628

API #:	0403711159	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	T. & M Petro. Co.	Lease Name:	Holton
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U116
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132065

API #:	0403708860	Well #:	36
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Johnston
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q117

East
1/2 - 1 Mile

OIL_GAS CAOG13000132284

API #:	0403710711	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Heartwell
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

X118

South
1/2 - 1 Mile

OIL_GAS CAOG13000005718

API #:	0403706239	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Westoil Corp.	Lease Name:	Lease by Westoil Corp.
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q119

East
1/2 - 1 Mile

OIL_GAS CAOG13000132208

API #:	0403710548	Well #:	27
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

V120

ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132579

API #:	0403711109	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Southern California Salvage Co.		
Lease Name:	Lease by Southern California Salvage Co.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

121
SSE
1/2 - 1 Mile

OIL_GAS CAOG13000005349

API #:	0403705558	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Kramildon Oil Co.	Lease Name:	Lease by Kramildon Oil Co.
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

T122
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132122

API #:	0403708917	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Bixby 2	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

V123
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133208

API #:	0403711787	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tryon & Brain	Lease Name:	Lineberger
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

X124
South
1/2 - 1 Mile

OIL_GAS CAOG13000005719

API #:	0403706240	Well #:	3-A
Well Status:	Plugged	Well Type:	DH
Operator Name:	Westoil Corp.	Lease Name:	Lease by Westoil Corp.
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

V125
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132947

API #:	0403708461	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Bowles-Griffith	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

126
ENE
1/2 - 1 Mile

OIL_GAS CAOG13000132230

API #:	0403710570	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Keck Syndicate #5	Lease Name:	Modoc L.B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

V127
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131005

API #:	0403709467	Well #:	39
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

W128
East
1/2 - 1 Mile

OIL_GAS CAOG13000131401

API #:	0403709873	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Prudential Oil Co.	Lease Name:	Kaweah
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

W129

East
1/2 - 1 Mile

OIL_GAS CAOG13000131167

API #:	0403709632	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	B. H. Cochran	Lease Name:	Cochran
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

W130

East
1/2 - 1 Mile

OIL_GAS CAOG13000131797

API #:	0403710281	Well #:	C-2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Wilshire
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

V131

ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132625

API #:	0403711156	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	T. & M Petro. Co.	Lease Name:	Cerritos
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Y132

East
1/2 - 1 Mile

OIL_GAS CAOG13000132983

API #:	0403711495	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Bryant
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Y133

East

1/2 - 1 Mile

OIL_GAS

CAOG13000130887

API #: 0403709347
Well Status: Plugged
Operator Name: A. J. Delaney
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 25
Well Type: OG
Lease Name: Lease by A. J. Delaney
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Y134

East

1/2 - 1 Mile

OIL_GAS

CAOG13000132982

API #: 0403711494
Well Status: Plugged
Operator Name: Chevron U.S.A. Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Bryant
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

U135

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132205

API #: 0403710545
Well Status: Plugged
Operator Name: A. S. Johnston Drilling Corp.
Lease Name: Lease by A. S. Johnston Drilling Corp.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 19
Well Type: OG
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

136

NW

1/2 - 1 Mile

OIL_GAS

CAOG13000131206

API #: 0403709672
Well Status: Plugged
Operator Name: Conoco Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Los Cerritos
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Y137
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132289

API #:	0403710716	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Los Cerritos Synd.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

W138
East
1/2 - 1 Mile

OIL_GAS CAOG13000132018

API #:	0403708810	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	Roy Maggart & C.C. Cummings, Trustees		
Lease Name:	Bucklin	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Y139
East
1/2 - 1 Mile

OIL_GAS CAOG13000132110

API #:	0403708905	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Barnes	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

U140
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132062

API #:	0403708857	Well #:	20
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Johnston
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

W141
East
1/2 - 1 Mile

OIL_GAS CAOG13000132984

API #: 0403711496
Well Status: Plugged
Operator Name: Chevron U.S.A. Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Bucklin
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Z142
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132624

API #: 0403711155
Well Status: Plugged
Operator Name: T. & M Petro. Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 5
Well Type: OG
Lease Name: Cerritos
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Y143
East
1/2 - 1 Mile

OIL_GAS CAOG13000131096

API #: 0403709558
Well Status: Plugged
Operator Name: Estate of Chas. W. Camp
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 8
Well Type: OG
Lease Name: Lease by Estate of Chas. W. Camp
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

U144
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131738

API #: 0403710222
Well Status: Plugged
Operator Name: Petroleum Securities Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 3
Well Type: OG
Lease Name: Bixby
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

V145
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132978

API #:	0403711489	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Berk
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AA146
NNW
1/2 - 1 Mile

OIL_GAS CAOG13000131320

API #:	0403709790	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	General Exploration Co.	Lease Name:	Flood Control
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Y147
East
1/2 - 1 Mile

OIL_GAS CAOG13000131403

API #:	0403709875	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Pugh-Miller Drilling Co.	Lease Name:	Lease by Pugh-Miller Drilling Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U148
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132248

API #:	0403710590	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	L. T. Mayo	Lease Name:	Grant-Miller
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

W149
East
1/2 - 1 Mile

OIL_GAS CAOG13000132598

API #:	0403711129	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Crown Central Petro. Corp.		
Lease Name:	Royce	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AA150
NW
1/2 - 1 Mile

OIL_GAS CAOG13000133279

API #:	0403711858	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Carson Dominguez Real Est Corp		
Lease Name:	Dominguez	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Z151
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131026

API #:	0403709488	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Craig-Burns	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AB152
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131107

API #:	0403709569	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	Remora Operating CA, LLC	Lease Name:	Ten Eyck
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

U153

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132063

API #:	0403708858	Well #:	21
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Johnston
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U154

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132300

API #:	0403710727	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Marine Fee
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U155

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132247

API #:	0403710589	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	L. T. Mayo	Lease Name:	Grant-Miller
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Y156

East

1/2 - 1 Mile

OIL_GAS

CAOG13000131337

API #:	0403709807	Well #:	13
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	L.B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

V157
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131465

API #: 0403709940
Well Status: Plugged
Operator Name: M. M. Harris
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 10
Well Type: OG
Lease Name: Lease by M. M. Harris
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

U158
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133178

API #: 0403712192
Well Status: Plugged
Operator Name: Yunker, Morton & Dolley
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 7
Well Type: OG
Lease Name: Wolter
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AB159
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133333

API #: 0403712421
Well Status: Plugged
Operator Name: L. V. Wilson
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Lease by L. V. Wilson
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Y160
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132626

API #: 0403711157
Well Status: Plugged
Operator Name: T. & M Petro. Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 9
Well Type: OG
Lease Name: Cerritos
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Y161
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132030

API #:	0403708822	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	D. S. Bushnell	Lease Name:	Lease by D. S. Bushnell
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AC162
East
1/2 - 1 Mile

OIL_GAS CAOG13000131911

API #:	0403710401	Well #:	2
Well Status:	Idle	Well Type:	OG
Operator Name:	National Gas Syndicate	Lease Name:	Lease by National Gas Syndicate
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AB163
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131597

API #:	0403710076	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. N. Macrate	Lease Name:	Lease by A. N. Macrate
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

164
NW
1/2 - 1 Mile

OIL_GAS CAOG13000133280

API #:	0403711859	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Carson Dominguez Real Est Corp	Field Name:	Long Beach
Lease Name:	Dominguez	GIS Source:	hud
Area Name:	Northwest Extension	Directionally Drilled:	N
Confidential Well:	N		
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z165
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131029

API #:	0403709491	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Delaney	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Y166
East
1/2 - 1 Mile

OIL_GAS CAOG13000131051

API #:	0403709513	Well #:	13
Well Status:	Plugged	Well Type:	OG
Operator Name:	Davis Investment LLC	Lease Name:	Lease by Davis Investment LLC
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AD167
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131832

API #:	0403710321	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	Jergins Syndicate, Inc.	Lease Name:	Lease by Jergins Syndicate, Inc.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AB168
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131050

API #:	0403709512	Well #:	12
Well Status:	Plugged	Well Type:	OG
Operator Name:	Davis Investment LLC	Lease Name:	Lease by Davis Investment LLC
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z169
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130787

API #:	0403709246	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Bessie Berman	Lease Name:	B. B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z170
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131420

API #:	0403709893	Well #:	78
Well Status:	Idle	Well Type:	OG
Operator Name:	Retsof Drilling Co.	Lease Name:	Lease by Retsof Drilling Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AB171
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131074

API #:	0403709536	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Rhea
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Y172
East
1/2 - 1 Mile

OIL_GAS CAOG13000131317

API #:	0403709785	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	John F. Gallagher and W. C. Tomlin		
Lease Name:	G. & T.	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AC173

East
1/2 - 1 Mile

OIL_GAS CAOG13000131711

API #:	0403710194	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Owens & Applegate	Lease Name:	Miley
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AD174

SE
1/2 - 1 Mile

OIL_GAS CAOG13000131088

API #:	0403709550	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Venago
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

175

ENE
1/2 - 1 Mile

OIL_GAS CAOG13000131565

API #:	0403710043	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	C. A. Lawrence	Lease Name:	Lease by C. A. Lawrence
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Y176

East
1/2 - 1 Mile

OIL_GAS CAOG13000131405

API #:	0403709877	Well #:	10
Well Status:	Plugged	Well Type:	OG
Operator Name:	Pugh-Miller Drilling Co.	Lease Name:	Lease by Pugh-Miller Drilling Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AC177

East

1/2 - 1 Mile

OIL_GAS

CAOG13000131645

API #: 0403710128
Well Status: Plugged
Operator Name: Mills Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Gibson
Area Name: Old
Confidential Well: N
SPUD Date: Not Reported

AD178

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131833

API #: 0403710322
Well Status: Plugged
Operator Name: Jergins Syndicate, Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 10
Well Type: OG
Lease Name: Lease by Jergins Syndicate, Inc.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AB179

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000132590

API #: 0403711121
Well Status: Plugged
Operator Name: Goldie & Rosa Steiner
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Lease by Goldie & Rosa Steiner
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Z180

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000132820

API #: 0403711354
Well Status: Plugged
Operator Name: Crown Central Petro. Corp.
Lease Name: Dunlap
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Well #: 1
Well Type: OG
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z181
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130901

API #:	0403709361	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Delaney Petroleum Corp.	Lease Name:	Cerritos
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AE182
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131419

API #:	0403709892	Well #:	77
Well Status:	Idle	Well Type:	OG
Operator Name:	Retsof Drilling Co.	Lease Name:	Lease by Retsof Drilling Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AF183
East
1/2 - 1 Mile

OIL_GAS CAOG13000131407

API #:	0403709879	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Pugh-Miller Drilling Co.	Lease Name:	Marine Trust & Savings
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AF184
East
1/2 - 1 Mile

OIL_GAS CAOG13000132010

API #:	0403708801	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	E. S. Brooks	Lease Name:	Cerritos
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AB185
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132206

API #:	0403710546	Well #:	22
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AD186
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132074

API #:	0403708869	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Mayo-Chiksan
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AE187
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131811

API #:	0403710296	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	R. E. Ibbetson Drilling Co.		
Lease Name:	Lease by R. E. Ibbetson Drilling Co.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AB188
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132224

API #:	0403710564	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Julian Petroleum Corp.	Lease Name:	Amsel
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AC189

East
1/2 - 1 Mile

OIL_GAS CAOG13000131561

API #:	0403710038	Well #:	55
Well Status:	Plugged	Well Type:	OG
Operator Name:	Martin O. Landers	Lease Name:	Marine
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z190

ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132339

API #:	0403710767	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Wedum-Aldahl
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AD191

SE
1/2 - 1 Mile

OIL_GAS CAOG13000133089

API #:	0403712101	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	R. B. Watkins	Lease Name:	Wolter
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AF192

East
1/2 - 1 Mile

OIL_GAS CAOG13000131303

API #:	0403709771	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Four Star Oil Co.	Lease Name:	Lease by Four Star Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AE193
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131304

API #: 0403709772
Well Status: Plugged
Operator Name: Four Star Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 4
Well Type: OG
Lease Name: Lease by Four Star Oil Co.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AF194
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131655

API #: 0403710138
Well Status: Plugged
Operator Name: Estate of Kenneth Mills
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 2
Well Type: OG
Lease Name: Turner
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AC195
East
1/2 - 1 Mile

OIL_GAS CAOG13000132836

API #: 0403711370
Well Status: Plugged
Operator Name: Crown Central Petro. Corp.
Lease Name: Marine
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Well #: 56
Well Type: OG
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

AF196
East
1/2 - 1 Mile

OIL_GAS CAOG13000131049

API #: 0403709511
Well Status: Plugged
Operator Name: Davis Investment LLC
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 11
Well Type: OG
Lease Name: Lease by Davis Investment LLC
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AE197
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131278

API #: 0403709745
Well Status: Plugged
Operator Name: J. Farbstein
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 19
Well Type: OG
Lease Name: Lease by J. Farbstein
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AF198
East
1/2 - 1 Mile

OIL_GAS CAOG13000132822

API #: 0403711356
Well Status: Plugged
Operator Name: Crown Central Petro. Corp.
Lease Name: Laughlin
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Well #: 1
Well Type: OG
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

AF199
East
1/2 - 1 Mile

OIL_GAS CAOG13000133081

API #: 0403712093
Well Status: Idle
Operator Name: W.M.C. Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 3
Well Type: OG
Lease Name: Lease by W.M.C. Oil Co.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AD200
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131830

API #: 0403710319
Well Status: Plugged
Operator Name: Jergins Syndicate, Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 6
Well Type: OG
Lease Name: Lease by Jergins Syndicate, Inc.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG201
NNW
1/2 - 1 Mile

OIL_GAS CAOG13000133515

API #:	0403719068	Well #:	5
Well Status:	Plugged	Well Type:	CH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Carson Core Hole
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AE202
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131279

API #:	0403709746	Well #:	20
Well Status:	Plugged	Well Type:	OG
Operator Name:	J. Farbstein	Lease Name:	Lease by J. Farbstein
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AD203
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133397

API #:	0403710592	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	L. T. Mayo	Lease Name:	Shotliff
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AC204
East
1/2 - 1 Mile

OIL_GAS CAOG13000130891

API #:	0403709351	Well #:	36
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. J. Delaney	Lease Name:	Lease by A. J. Delaney
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AE205
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131354

API #: 0403709824
Well Status: Plugged
Operator Name: H. Giessner
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Edington-Witz
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AE206
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133427

API #: 0403710622
Well Status: Plugged
Operator Name: Estate of Kenneth Mills
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 7
Well Type: OG
Lease Name: Delaney
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AF207
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132338

API #: 0403710766
Well Status: Plugged
Operator Name: Chevron U.S.A. Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Walker 2
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AH208
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131421

API #: 0403709894
Well Status: Plugged
Operator Name: Retsof Drilling Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 81
Well Type: OG
Lease Name: Foster
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AH209
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133428

API #:	0403710623	Well #:	13
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mills Oil Co.	Lease Name:	Delaney
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AI210
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132045

API #:	0403708840	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Coast-Alamo
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG211
NNW
1/2 - 1 Mile

OIL_GAS CAOG13000132539

API #:	0403711068	Well #:	2
Well Status:	Plugged	Well Type:	CH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Carson Core Hole
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AD212
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131480

API #:	0403709956	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Hearrell Oil Co.	Lease Name:	Riedman
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AE213
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132295

API #:	0403710722	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Marquis
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG214
NNW
1/2 - 1 Mile

OIL_GAS CAOG13000005935

API #:	0403725000	Well #:	1
Well Status:	Plugged	Well Type:	CH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Carson Core Hole
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AE215
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132990

API #:	0403711502	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Campbell-Morris
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AJ216
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131273

API #:	0403709740	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	J. Farbstein	Lease Name:	Lease by J. Farbstein
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AF217
East
1/2 - 1 Mile

OIL_GAS CAOG13000132249

API #:	0403710676	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Frye
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AI218
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132794

API #:	0403711328	Well #:	21
Well Status:	Plugged	Well Type:	OG
Operator Name:	Phillips Petroleum Company		
Lease Name:	Signal	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AH219
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131408

API #:	0403709881	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Carter Purvis	Lease Name:	Travers
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AI220
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132075

API #:	0403708870	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Mills
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AF221
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131445

API #: 0403709918
Well Status: Plugged
Operator Name: Rothschild Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 60
Well Type: OG
Lease Name: Lease by Rothschild Oil Co.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AK222
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131111

API #: 0403709573
Well Status: Plugged
Operator Name: Carter Petro. Co., Ltd.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Lease by Carter Petro. Co., Ltd.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AH223
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132329

API #: 0403710757
Well Status: Plugged
Operator Name: Chevron U.S.A. Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Royce
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AJ224
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132987

API #: 0403711499
Well Status: Plugged
Operator Name: Chevron U.S.A. Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Brush
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AK225
SSE
1/2 - 1 Mile

OIL_GAS CAOG13000131216

API #:	0403709682	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Core Oil Syndicate	Lease Name:	Lease by Core Oil Syndicate
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AH226
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131851

API #:	0403710340	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. D. Mitchell	Lease Name:	Gem
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG227
NNW
1/2 - 1 Mile

OIL_GAS CAOG13000133513

API #:	0403719066	Well #:	3
Well Status:	Plugged	Well Type:	CH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Carson Core Hole
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL228
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131687

API #:	0403710170	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	J. E. O'Donnell	Lease Name:	Strader
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AJ229
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130881

API #:	0403709341	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. J. Delaney	Lease Name:	Lease by A. J. Delaney
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AJ230
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131277

API #:	0403709744	Well #:	18
Well Status:	Plugged	Well Type:	OG
Operator Name:	J. Farbstein	Lease Name:	Lease by J. Farbstein
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AH231
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132001

API #:	0403708792	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Robert Bromberg, Trustee for Community.		
Lease Name:	Humiston	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AJ232
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131276

API #:	0403709743	Well #:	17
Well Status:	Plugged	Well Type:	OG
Operator Name:	J. Farbstein	Lease Name:	Lease by J. Farbstein
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AI233

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132040

API #:	0403708835	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	A & E
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AM234

East

1/2 - 1 Mile

OIL_GAS

CAOG13000132250

API #:	0403710677	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Frye
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

235

NNW

1/2 - 1 Mile

OIL_GAS

CAOG13000133514

API #:	0403719067	Well #:	4
Well Status:	Plugged	Well Type:	CH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Carson Core Hole
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

236

South

1/2 - 1 Mile

OIL_GAS

CAOG13000005720

API #:	0403706241	Well #:	5
Well Status:	Idle	Well Type:	OG
Operator Name:	Westoil Corp.	Lease Name:	Lease by Westoil Corp.
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AH237
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131993

API #:	0403708784	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Philip R. Brain Oil Co.	Lease Name:	Athon
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AM238
East
1/2 - 1 Mile

OIL_GAS CAOG13000132155

API #:	0403708950	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Hodges Community	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AK239
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131831

API #:	0403710320	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Jergins Syndicate, Inc.	Lease Name:	Lease by Jergins Syndicate, Inc.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL240
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133403

API #:	0403710598	Well #:	A-2
Well Status:	Active	Well Type:	OG
Operator Name:	P&M Oil Company, Inc.	Lease Name:	A.S. Johnston
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AK241
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132798

API #:	0403711332	Well #:	25
Well Status:	Plugged	Well Type:	OG
Operator Name:	Phillips Petroleum Company		
Lease Name:	Signal	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AJ242
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132594

API #:	0403711125	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	C. F. Sudduth	Lease Name:	Sudduth
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL243
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132204

API #:	0403710544	Well #:	18
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AN244
East
1/2 - 1 Mile

OIL_GAS CAOG13000131566

API #:	0403710044	Well #:	59
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. O. Lewis	Lease Name:	Lease by A. O. Lewis
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AJ245
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132218

API #:	0403710558	Well #:	52
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AO246
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132026

API #:	0403708818	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	R. R. Bush Oil Co.	Lease Name:	Bell
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL247
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131018

API #:	0403709480	Well #:	87
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AH248
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130884

API #:	0403709344	Well #:	19
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. J. Delaney	Lease Name:	Lease by A. J. Delaney
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AK249

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132582

API #:	0403711112	Well #:	4
Well Status:	Idle	Well Type:	OG
Operator Name:	Special Delivery Oil Syndicate #4		
Lease Name:	Lease by Special Delivery Oil Syndicate #4		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AN250

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131016

API #:	0403709478	Well #:	82
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AH251

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000133317

API #:	0403712405	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Westates Petroleum Co.	Lease Name:	Gem
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AJ252

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131024

API #:	0403709486	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Craig-Burns	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AH253
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132773

API #:	0403711307	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Phillips Petroleum Company		
Lease Name:	Reagan	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AL254
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132214

API #:	0403710554	Well #:	40
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AP255
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132067

API #:	0403708862	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	State of California	Lease Name:	Jones
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AK256
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131006

API #:	0403709468	Well #:	41
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AJ257
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132207

API #:	0403710547	Well #:	23
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AJ258
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131692

API #:	0403710175	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Oil Producers, Ltd.	Lease Name:	Lease by Oil Producers, Ltd.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AJ259
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132251

API #:	0403710678	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Good
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL260
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131008

API #:	0403709470	Well #:	50
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AO261
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132024

API #:	0403708816	Well #:	15
Well Status:	Idle	Well Type:	OG
Operator Name:	R. R. Bush Oil Co.	Lease Name:	Lease by R. R. Bush Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL262
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131524

API #:	0403710000	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	Hub Oil Co.	Lease Name:	Woodward
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AJ263
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131418

API #:	0403709891	Well #:	75
Well Status:	Plugged	Well Type:	OG
Operator Name:	Retsof Drilling Co.	Lease Name:	Lease by Retsof Drilling Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AM264
East
1/2 - 1 Mile

OIL_GAS CAOG13000131794

API #:	0403710278	Well #:	A-3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Wilshire
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AP265
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131164

API #:	0403709629	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Coast Supply Company Ltd.	Lease Name:	Vesta
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL266
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133164

API #:	0403712177	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Woolner Oil Corp., Ltd.	Lease Name:	L.B. Fee
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AO267
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132597

API #:	0403711128	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Crown Central Petro. Corp.		
Lease Name:	Reagan	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

268
NW
1/2 - 1 Mile

OIL_GAS CAOG13000005217

API #:	0403705417	Well #:	2
Well Status:	Plugged	Well Type:	DH
Operator Name:	General Exploration Co.	Lease Name:	Dominguez
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AO269
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133104

API #:	0403712117	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	S & C Oil Co., Inc.	Lease Name:	Bell
Field Name:	Long Beach	Area Name:	Old
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	04/30/1930

AM270
East
1/2 - 1 Mile

OIL_GAS CAOG13000131792

API #:	0403710276	Well #:	A-1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Wilshire
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AJ271
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133365

API #:	0403710486	Well #:	2
Well Status:	Active	Well Type:	OG
Operator Name:	E & B Natural Resources Management Corporation		
Lease Name:	Just	Field Name:	Long Beach
Area Name:	Old	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AQ272
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133364

API #:	0403710485	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	E & B Natural Resources Management Corporation		
Lease Name:	Just	Field Name:	Long Beach
Area Name:	Old	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AP273
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131736

API #:	0403710220	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	The Petro. Co.	Lease Name:	Nigus
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL274
SE
1/2 - 1 Mile

OIL_GAS CAOG13000130998

API #:	0403709460	Well #:	27
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AN275
East
1/2 - 1 Mile

OIL_GAS CAOG13000132840

API #:	0403711374	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Crown Central Petro. Corp.		
Lease Name:	Mcshane & Lackey	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AO276
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133083

API #:	0403712095	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. P. Wallace	Lease Name:	Lease by A. P. Wallace
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AN277
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133419

API #:	0403710614	Well #:	B-1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Julian J. Miley	Lease Name:	Wilshire
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL278
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132793

API #:	0403711327	Well #:	20
Well Status:	Plugged	Well Type:	OG
Operator Name:	Phillips Petroleum Company		
Lease Name:	Signal	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AL279
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131000

API #:	0403709462	Well #:	30
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AO280
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131310

API #:	0403709778	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Frankley, Andrews & Zellers		
Lease Name:	Lease by Frankley, Andrews & Zellers		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AP281
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132047

API #:	0403708842	Well #:	38
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Dabney
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AR282
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131002

API #:	0403709464	Well #:	34
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AN283
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131432

API #:	0403709905	Well #:	18
Well Status:	Plugged	Well Type:	OG
Operator Name:	Ring Oil Co.	Lease Name:	Lease by Ring Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AP284
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133516

API #:	0403700389	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	888-5 Partners, LLC	Lease Name:	Leavell
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AO285

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130930

API #:	0403709392	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	Joseph H. Duncan	Lease Name:	Castle
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AN286

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131181

API #:	0403709647	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Cockriel Petroleum	Lease Name:	Shasta
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AM287

East

1/2 - 1 Mile

OIL_GAS

CAOG13000131793

API #:	0403710277	Well #:	A-2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Wilshire
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AQ288

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130779

API #:	0403709238	Well #:	2
Well Status:	Idle	Well Type:	OG
Operator Name:	W. W. Beldin	Lease Name:	Lease by W. W. Beldin
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AP289

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131081

API #:	0403709543	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Spaulding-Probasco
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AR290

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131931

API #:	0403710422	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Odell Petro. Corp.	Lease Name:	Odell-Shippey
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AO291

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130958

API #:	0403709420	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	E. V. Edmondson	Lease Name:	Neat
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AN292

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131997

API #:	0403708788	Well #:	10
Well Status:	Plugged	Well Type:	OG
Operator Name:	Harry H. Briggs	Lease Name:	Shasta
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AP293
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131114

API #:	0403709576	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	888-5 Partners, LLC	Lease Name:	Cather
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AO294
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131829

API #:	0403710316	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Robert E. Jackson	Lease Name:	Lease by Robert E. Jackson
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AN295
East
1/2 - 1 Mile

OIL_GAS CAOG13000130762

API #:	0403709221	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	W.J. Ball	Lease Name:	Ball
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AS296
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133328

API #:	0403712416	Well #:	21
Well Status:	Plugged	Well Type:	OG
Operator Name:	W. G. Wickey	Lease Name:	Delaney
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AM297

East
1/2 - 1 Mile

OIL_GAS CAOG13000131094

API #:	0403709556	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Calstar Petroleum Co.	Lease Name:	Colby
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AN298

ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131795

API #:	0403710279	Well #:	B-2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Wilshire
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AO299

ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131721

API #:	0403710205	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	Painted Hills Oil Ass'n	Lease Name:	Lease by Painted Hills Oil Ass'n
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AR300

SE
1/2 - 1 Mile

OIL_GAS CAOG13000133383

API #:	0403710504	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	Selbar Oil Co.	Lease Name:	Lease by Selbar Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AS301
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131227

API #:	0403709693	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	E. L. Cragen	Lease Name:	Lease by E. L. Cragen
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AT302
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131071

API #:	0403709533	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Painted Hills
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AP303
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132079

API #:	0403708874	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	N & S Spaulding
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AR304
SE
1/2 - 1 Mile

OIL_GAS CAOG13000130999

API #:	0403709461	Well #:	29
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AN305

East
1/2 - 1 Mile

OIL_GAS CAOG13000133090

API #:	0403712103	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Walter Welton & John McGill		
Lease Name:	Verhaar	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AS306

ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131180

API #:	0403709646	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Cockriel Petroleum	Lease Name:	Shasta
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AT307

SE
1/2 - 1 Mile

OIL_GAS CAOG13000131663

API #:	0403710146	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	J. E. O'Donnell	Lease Name:	Lease by J. E. O'Donnell
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AQ308

ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133174

API #:	0403712187	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	S. S. Wortley	Lease Name:	Lease by S. S. Wortley
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AS309
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131493

API #:	0403709969	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	W. F. Higgins	Lease Name:	Higgins
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AN310
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132572

API #:	0403711102	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	J. A. Smith, Trustee	Lease Name:	Clark & Caston
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AR311
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131004

API #:	0403709466	Well #:	37
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AR312
SE
1/2 - 1 Mile

OIL_GAS CAOG13000130939

API #:	0403709401	Well #:	14
Well Status:	Plugged	Well Type:	OG
Operator Name:	D D Dunlap Oil Co.	Lease Name:	Lease by D D Dunlap Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AP313
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130895

API #:	0403709355	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Delaney Petroleum Corp.	Lease Name:	Lease by Delaney Petroleum Corp.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AQ314
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132006

API #:	0403708797	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. W. Brooks Production	Lease Name:	Abrams
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AQ315
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131588

API #:	0403710066	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Harry E. MacAdam	Lease Name:	Lease by Harry E. MacAdam
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AS316
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132183

API #:	0403710523	Well #:	11
Well Status:	Plugged	Well Type:	OG
Operator Name:	Shasta Petro. Co.	Lease Name:	Shasta
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AQ317

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131600

API #: 0403710079
Well Status: Plugged
Operator Name: A. N. Macrate
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 5
Well Type: OG
Lease Name: Lease by A. N. Macrate
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AS318

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131404

API #: 0403709876
Well Status: Plugged
Operator Name: Pugh-Miller Drilling Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 7
Well Type: OG
Lease Name: Lease by Pugh-Miller Drilling Co.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AS319

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131798

API #: 0403710282
Well Status: Plugged
Operator Name: Exxon Mobil Corporation
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: D-1
Well Type: OG
Lease Name: Wilshire
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AP320

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130758

API #: 0403709216
Well Status: Plugged
Operator Name: C. E. Braly
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Fee
Area Name: Old
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AS321
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130957

API #:	0403709419	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	E. V. Edmondson	Lease Name:	Hughes
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AR322
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133381

API #:	0403710502	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Selbar Oil Co.	Lease Name:	Lease by Selbar Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AT323
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133357

API #:	0403710478	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Scott Oil Co.	Lease Name:	Anderson
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AS324
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131492

API #:	0403709968	Well #:	12
Well Status:	Plugged	Well Type:	OG
Operator Name:	C. C. Herwick	Lease Name:	Shasta
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AR325

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131503

API #:	0403709979	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Hocking & Andrews	Lease Name:	Walker
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AU326

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131889

API #:	0403710379	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Fred T. Moody	Lease Name:	Detroit
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AQ327

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000133337

API #:	0403712426	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Wood-Callahan Oil Co., Ltd.		
Lease Name:	Lease by Wood-Callahan Oil Co., Ltd.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AU328

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130802

API #:	0403709262	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	L. E. Bishop Oil Co.	Lease Name:	Lease by L. E. Bishop Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AS329
ESE
1/2 - 1 Mile

OIL_GAS **CAOG13000130854**

Well #: 1
Well Type: OG
Lease Name: Lease by Applegate & Herwick
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

API #: 0403709314
Well Status: Plugged
Operator Name: Applegate & Herwick
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

AR330
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000130994**

Well #: 20
Well Type: OG

Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

API #: 0403709456
Well Status: Plugged
Operator Name: Estate of Louise E. Dabney
Lease Name: Lease by Estate of Louise E. Dabney
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

AP331
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000131630**

Well #: 1
Well Type: OG
Lease Name: Lease by Howard S. Martin
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

API #: 0403710113
Well Status: Plugged
Operator Name: Howard S. Martin
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

AU332
ESE
1/2 - 1 Mile

OIL_GAS **CAOG13000132860**

Well #: 6
Well Type: OG
Lease Name: Shasta
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

API #: 0403706418
Well Status: Plugged
Operator Name: Shasta Pan Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AV333

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132226

API #:	0403710566	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Julian Petroleum Corp.	Lease Name:	K. M. & B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AT334

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132049

API #:	0403708844	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Dabney-Scott-Mogle
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AU335

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130717

API #:	0403709170	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	John M. Abrams	Lease Name:	Lease by John M. Abrams
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AV336

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131412

API #:	0403709885	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	Remora Operating CA, LLC	Lease Name:	Bott
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AS337
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132091

API #:	0403708886	Well #:	13
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Oil Company	Lease Name:	Shasta
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AS338
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132190

API #:	0403710530	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Roggie-Johnson Drilling Co.		
Lease Name:	Lease by Roggie-Johnson Drilling Co.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AR339
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131502

API #:	0403709978	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Hocking & Andrews	Lease Name:	Walker
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AT340
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131079

API #:	0403709541	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Southern
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AR341
SE
1/2 - 1 Mile

OIL_GAS CAOG13000130995

API #:	0403709457	Well #:	24
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AV342
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133336

API #:	0403712425	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Wood-Callahan Oil Co., Ltd.		
Lease Name:	Lease by Wood-Callahan Oil Co., Ltd.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AQ343
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130763

API #:	0403709222	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	888-5 Partners, LLC	Lease Name:	Lamb
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AS344
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131827

API #:	0403710314	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Minus E. Jackson	Lease Name:	Rainbow
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AS345
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132821

API #:	0403711355	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Crown Central Petro. Corp.		
Lease Name:	Fee	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AS346
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130959

API #:	0403709421	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	L. T. Edwards	Lease Name:	Hines
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AW347
East
1/2 - 1 Mile

OIL_GAS CAOG13000131788

API #:	0403710272	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	L. B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AX348
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131007

API #:	0403709469	Well #:	42
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

349
East
1/2 - 1 Mile

OIL_GAS CAOG13000131584

API #:	0403710062	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	Lynes Oil Syndicate	Lease Name:	Chateau Thiery
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AV350
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132008

API #:	0403708799	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. W. Brooks Production	Lease Name:	Macmillan
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AU351
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130774

API #:	0403709233	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Baxter Petro. Co., Ltd.	Lease Name:	Lease by Baxter Petro. Co., Ltd.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AS352
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133421

API #:	0403710616	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	E. E. Millican	Lease Name:	Lease by E. E. Millican
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AU353
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131355

API #: 0403709825
Well Status: Plugged
Operator Name: H. Giessner
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Wheeler-Obrien-Star
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AW354
East
1/2 - 1 Mile

OIL_GAS CAOG13000132586

API #: 0403711117
Well Status: Plugged
Operator Name: Standlee Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Lease by Standlee Oil Co.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AU355
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132259

API #: 0403710686
Well Status: Plugged
Operator Name: Chevron U.S.A. Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Green
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AU356
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131964

API #: 0403710457
Well Status: Plugged
Operator Name: Santa Cruz Island Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Benton Smith
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AS357
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131888

API #:	0403710378	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Montello Oil Co. Ltd.	Lease Name:	Lease by Montello Oil Co. Ltd.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AR358
SE
1/2 - 1 Mile

OIL_GAS CAOG13000130935

API #:	0403709397	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	D D Dunlap Oil Co.	Lease Name:	Lease by D D Dunlap Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AY359
SE
1/2 - 1 Mile

OIL_GAS CAOG13000130861

API #:	0403709321	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Oil Company	Lease Name:	Lease by Atlantic Oil Company
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AX360
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131622

API #:	0403710102	Well #:	2
Well Status:	Idle	Well Type:	OG
Operator Name:	Main Oil Well Supply Co.	Lease Name:	Judd
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AW361
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131606

API #:	0403710085	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. N. Macrate	Lease Name:	Hines
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AS362
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132841

API #:	0403711375	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Crown Central Petro. Corp.		
Lease Name:	Mills	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AZ363
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130914

API #:	0403709375	Well #:	26
Well Status:	Plugged	Well Type:	OG
Operator Name:	Delaney Petroleum Corp.	Lease Name:	Herwick
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AU364
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131883

API #:	0403710373	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Ransome
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AZ365
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131116

API #:	0403709578	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	888-6 Partners, LLC	Lease Name:	Cather-Cherokee
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AW366
East
1/2 - 1 Mile

OIL_GAS CAOG13000131560

API #:	0403710037	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	W. C. Lance	Lease Name:	Lease by W. C. Lance
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AV367
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131356

API #:	0403709826	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Harold A. Gilman and J. Farbstein		
Lease Name:	Lease by Harold A. Gilman and J. Farbstein		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AX368
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131375

API #:	0403709847	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	H. C. S. Oil Co.	Lease Name:	Lease by H. C. S. Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AU369
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133278

API #:	0403711857	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Vesta Petroleum Co., Ltd.	Lease Name:	Lease by Vesta Petroleum Co., Ltd.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AY370
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131209

API #:	0403709675	Well #:	1-A
Well Status:	Plugged	Well Type:	OG
Operator Name:	Convoy Petro. Co.	Lease Name:	Lease by Convoy Petro. Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AY371
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131208

API #:	0403709674	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Convoy Petro. Co.	Lease Name:	Lease by Convoy Petro. Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BA372
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131292

API #:	0403709759	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Fred Fitch	Lease Name:	Lease by Fred Fitch
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AY373
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133165

API #:	0403712178	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Woolner Oil Corp., Ltd.	Lease Name:	L.B. Fee
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AZ374
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131284

API #:	0403709751	Well #:	15
Well Status:	Plugged	Well Type:	OG
Operator Name:	Featherstone & Preston Inc.		
Lease Name:	Featherstone	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AV375
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131882

API #:	0403710372	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	A. R. Parks
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AU376
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131863

API #:	0403710352	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AY377

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132014

API #: 0403708805
Well Status: Plugged
Operator Name: D. L. Brown
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Johnson
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AV378

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131090

API #: 0403709552
Well Status: Plugged
Operator Name: State of California
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 2
Well Type: OG
Lease Name: Weaver
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

AZ379

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131115

API #: 0403709577
Well Status: Active
Operator Name: 888-6 Partners, LLC
Field Name: Long Beach
GIS Source: GPS
Directionally Drilled: N

Well #: 2
Well Type: OG
Lease Name: Cather-Cherokee
Area Name: Old
Confidential Well: N
SPUD Date: Not Reported

BA380

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000132225

API #: 0403710565
Well Status: Plugged
Operator Name: Julian Petroleum Corp.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Barnes
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AY381
SE
1/2 - 1 Mile

OIL_GAS CAOG13000130927

API #:	0403709389	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	C. B. Douglas	Lease Name:	Donna
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AV382
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131598

API #:	0403710077	Well #:	2(Repetto)
Well Status:	Idle	Well Type:	OG
Operator Name:	A. N. Macrate	Lease Name:	Lease by A. N. Macrate
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BA383
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132819

API #:	0403711353	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Crown Central Petro. Corp.		
Lease Name:	Chandler	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AU384
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130808

API #:	0403709268	Well #:	2
Well Status:	Idle	Well Type:	OG
Operator Name:	Biltmore Petro. Corp.	Lease Name:	Lease by Biltmore Petro. Corp.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AU385
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131718

API #:	0403710202	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Padre Oil Co.	Lease Name:	Lease by Padre Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AY386
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132071

API #:	0403708866	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Main
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AY387
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132072

API #:	0403708867	Well #:	1-A
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Main
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AV388
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131012

API #:	0403709474	Well #:	65
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AZ389
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131028

API #:	0403709490	Well #:	22
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Craig-Burns	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BA390
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131978

API #:	0403710471	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Santa Cruz Island Co.	Lease Name:	Jameco
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AZ391
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131386

API #:	0403709858	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	W. A. Playter	Lease Name:	Bunny
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AY392
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131155

API #:	0403709619	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Coast Supply Company Ltd.	Lease Name:	Liebert
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AZ393
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131924

API #:	0403710415	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	F. E. Null & R. V. Hearons		
Lease Name:	Lease by F. E. Null & R. V. Hearons		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AW394
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131722

API #:	0403710206	Well #:	10
Well Status:	Plugged	Well Type:	OG
Operator Name:	Painted Hills Oil Ass'n	Lease Name:	Lease by Painted Hills Oil Ass'n
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AV395
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131881

API #:	0403710371	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	A. R. Parks
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BA396
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132090

API #:	0403708885	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Oil Company	Lease Name:	Shasta
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BA397
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132034

API #:	0403708826	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	C. & M. Oil Co.	Lease Name:	Lease by C. & M. Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AY398
SE
1/2 - 1 Mile

OIL_GAS CAOG13000130996

API #:	0403709458	Well #:	25
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BB399
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131880

API #:	0403710370	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Parks
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BC400
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130882

API #:	0403709342	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. J. Delaney	Lease Name:	Lease by A. J. Delaney
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BC401
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131382

API #:	0403709854	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	F. G. Phillips & Co.	Lease Name:	Lease by F. G. Phillips & Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BA402
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132228

API #:	0403710568	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Keck and McWherter	Lease Name:	Lease by Keck and McWherter
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AX403
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133079

API #:	0403712091	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	The Virginian Inc.	Lease Name:	Lease by The Virginian Inc.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AZ404
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131138

API #:	0403709601	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	William A. Clark	Lease Name:	Buffum
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BD405
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131009

API #:	0403709471	Well #:	56
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AY406
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131390

API #:	0403709862	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	L. W. Herman, Receiver for Max Pray		
Lease Name:	Lease by L. W. Herman, Receiver for Max Pray		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AY407
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131522

API #:	0403709998	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Hub Oil Co.	Lease Name:	Roger
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AZ408
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131126

API #:	0403709589	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chiksan Oil Co., Ltd.	Lease Name:	Lease by Chiksan Oil Co., Ltd.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BB409

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000133399

API #: 0403710594

Well #: 2

Well Status: Plugged

Well Type: OG

Operator Name: MCBO OIL CO.

Lease Name: Lease by MCBO OIL CO.

Field Name: Long Beach

Area Name: Northwest Extension

GIS Source: hud

Confidential Well: N

Directionally Drilled: N

SPUD Date: Not Reported

AZ410

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130968

API #: 0403709430

Well #: 67

Well Status: Plugged

Well Type: OG

Operator Name: D. B. M. Oil Company

Lease Name: Lease by D. B. M. Oil Company

Field Name: Long Beach

Area Name: Northwest Extension

GIS Source: hud

Confidential Well: N

Directionally Drilled: N

SPUD Date: Not Reported

BA411

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130960

API #: 0403709422

Well #: 7

Well Status: Plugged

Well Type: OG

Operator Name: Elbe Oil Land Dev. Co.

Lease Name: Elbe

Field Name: Long Beach

Area Name: Northwest Extension

GIS Source: hud

Confidential Well: N

Directionally Drilled: N

SPUD Date: Not Reported

AY412

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131595

API #: 0403710074

Well #: 1

Well Status: Plugged

Well Type: OG

Operator Name: Macmillan Petroleum Corp.

Lease Name: Wellman

Field Name: Long Beach

Area Name: Northwest Extension

GIS Source: hud

Confidential Well: N

Directionally Drilled: N

SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BB413
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131025

API #:	0403709487	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Craig-Burns	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BA414
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131467

API #:	0403709942	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Sunrock Oil Co.	Lease Name:	Carter
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BB415
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131072

API #:	0403709534	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Paulin
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BA416
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131183

API #:	0403709649	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Charles B. Colby	Lease Name:	Extension
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AW417
East
1/2 - 1 Mile

OIL_GAS CAOG13000133356

API #: 0403710477
Well Status: Plugged
Operator Name: A. B. Scott
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Corbett
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

BB418
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130847

API #: 0403709307
Well Status: Plugged
Operator Name: Apex Petroleum Corporation, Ltd.
Lease Name: S. S. & L.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Well #: 41
Well Type: OG
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

BB419
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131414

API #: 0403709887
Well Status: Plugged
Operator Name: Kenneth Chen
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Carlin
Area Name: Old
Confidential Well: N
SPUD Date: Not Reported

AY420
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131128

API #: 0403709591
Well Status: Plugged
Operator Name: Chiksan Oil Co., Ltd.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Rodgers
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BA421
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131693

API #:	0403710176	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	The Oil Tool Corp.	Lease Name:	Lease by The Oil Tool Corp.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BE422
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133163

API #:	0403712176	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Woolner Oil Corp., Ltd.	Lease Name:	Leedom
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AZ423
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132162

API #:	0403708957	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Jameco	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

AY424
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131590

API #:	0403710069	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mack Oil Co.	Lease Name:	Mack
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BC425
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132089

API #:	0403708884	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Oil Company	Lease Name:	Robertson
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BC426
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131925

API #:	0403710416	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	R. F. Oakes, E. E. Combs, et al		
Lease Name:	Charlie	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	Y
SPUD Date:	Not Reported		

BD427
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130846

API #:	0403709306	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Noll	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BB428
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131089

API #:	0403709551	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Weaver
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BB429

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131283

API #:	0403709750	Well #:	14
Well Status:	Plugged	Well Type:	OG
Operator Name:	Featherstone & Preston Inc.		
Lease Name:	Featherstone	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BC430

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130809

API #:	0403709269	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Biltmore Petro. Corp.	Lease Name:	Lease by Biltmore Petro. Corp.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BF431

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131257

API #:	0403709724	Well #:	44
Well Status:	Plugged	Well Type:	OG
Operator Name:	Grayson Service, Inc.	Lease Name:	Lease by Grayson Service, Inc.
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BE432

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131324

API #:	0403709794	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	General Expl. Co. of Ca	Lease Name:	Wellman
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BA433
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130791

API #:	0403709251	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	The Bev Oil Co.	Lease Name:	Bev
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BB434
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132593

API #:	0403711124	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Robert W. Lee, Investments		
Lease Name:	Styx	Field Name:	Long Beach
Area Name:	Old	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BG435
North
1/2 - 1 Mile

OIL_GAS CAOG13000005438

API #:	0403705737	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Occidental Petroleum Corporation		
Lease Name:	Virginia Country Club	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	Y
SPUD Date:	Not Reported		

BB436
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131309

API #:	0403709777	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Frankley, Andrews & Zellers		
Lease Name:	Lease by Frankley, Andrews & Zellers		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BC437
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131430

API #: 0403709903
Well Status: Plugged
Operator Name: Ring Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 5-A
Well Type: OG
Lease Name: Lease by Ring Oil Co.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

BA438
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132880

API #: 0403708394
Well Status: Plugged
Operator Name: Atlantic Richfield Company
Lease Name: Pantages
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

Well #: 1
Well Type: OG
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

BC439
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131429

API #: 0403709902
Well Status: Idle
Operator Name: Ring Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 5
Well Type: OG
Lease Name: Lease by Ring Oil Co.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

BE440
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131958

API #: 0403710451
Well Status: Plugged
Operator Name: San Andres Oil Co., Inc.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 2
Well Type: OG
Lease Name: Lease by San Andres Oil Co., Inc.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BF441

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000133312

API #:	0403712400	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Westates Petroleum Co.	Lease Name:	Petroleum Consolidated, Ltd.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BC442

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130817

API #:	0403709277	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	J. W. Alford	Lease Name:	Lease by J. W. Alford
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BE443

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131174

API #:	0403709640	Well #:	19
Well Status:	Plugged	Well Type:	OG
Operator Name:	Cockriel Petroleum	Lease Name:	Lease by Cockriel Petroleum
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BC444

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130878

API #:	0403709338	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Dr. John B. Davis	Lease Name:	Lease by Dr. John B. Davis
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BD445
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131269

API #:	0403709736	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exeter Oil Co.	Lease Name:	Stevens
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BB446
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131433

API #:	0403709906	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Ring Oil Co.	Lease Name:	Grant
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BB447
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131649

API #:	0403710132	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Kenneth Mills	Lease Name:	M-W
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BB448
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133231

API #:	0403711810	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Robert W. Lee, Investments		
Lease Name:	Greyel	Field Name:	Long Beach
Area Name:	Old	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BC449
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132562

API #:	0403711091	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Phillips Petroleum Company		
Lease Name:	Stevens	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BE450
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131228

API #:	0403709694	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Craig-Burns & Co. Inc.	Lease Name:	Lease by Craig-Burns & Co. Inc.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BC451
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133213

API #:	0403711792	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Turner Petro. Co.	Lease Name:	N.W.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BF452
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131367

API #:	0403709838	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Graham-Loftus Oil Corp.	Lease Name:	Del Mar
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BD453

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131117

API #:	0403709579	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	Remora Operating CA, LLC	Lease Name:	James
Field Name:	Long Beach	Area Name:	Old
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BE454

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132223

API #:	0403710563	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	J & M Operators	Lease Name:	Daly
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BC455

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131285

API #:	0403709752	Well #:	5
Well Status:	Idle	Well Type:	OG
Operator Name:	Chas. Fickert	Lease Name:	Lease by Chas. Fickert
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BF456

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131256

API #:	0403709723	Well #:	40
Well Status:	Plugged	Well Type:	OG
Operator Name:	Davis Investment LLC	Lease Name:	Lease by Davis Investment LLC
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BF457
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131548

API #:	0403710024	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. R. Johnson	Lease Name:	Lease by A. R. Johnson
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BF458
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131364

API #:	0403709835	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Graham-Loftus Oil Corp.	Lease Name:	Lease by Graham-Loftus Oil Corp.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BB459
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133219

API #:	0403711798	Well #:	40
Well Status:	Plugged	Well Type:	OG
Operator Name:	Umpire Petro. Corp.	Lease Name:	Dad
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BB460
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131065

API #:	0403709527	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	O & M
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

461
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131578

API #:	0403710056	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	Long Beach Petro. Syndicate		
Lease Name:	Lease by Long Beach Petro. Syndicate		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BF462
SE
1/2 - 1 Mile

OIL_GAS CAOG13000130765

API #:	0403709224	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	Barnhart-Morrow Consolidated		
Lease Name:	Hartley	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BD463
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132002

API #:	0403708793	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. W. Brooks	Lease Name:	Fee
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BC464
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131315

API #:	0403709783	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. L. Frye	Lease Name:	Rudy
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BE465
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131472

API #:	0403709947	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	Signal Hill Petroleum, Inc.		
Lease Name:	Fulton-McKee	Field Name:	Long Beach
Area Name:	Old	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BE466
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131872

API #:	0403710362	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Hunt
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BH467
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131961

API #:	0403710454	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Santa Barbara Asphalt & Refining Co.		
Lease Name:	Lease by Santa Barbara Asphalt & Refining Co.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BB468
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132068

API #:	0403708863	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Jones-Juan
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BD469
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131013

API #:	0403709475	Well #:	71
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BF470
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132238

API #:	0403710579	Well #:	46
Well Status:	Plugged	Well Type:	OG
Operator Name:	Kern Petroleum Corp.	Lease Name:	O'Donnell
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BF471
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131571

API #:	0403710049	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Locust Oil Co.	Lease Name:	Mun
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BE472
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131473

API #:	0403709948	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	J & M Operators	Lease Name:	Fulton-Mckee
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BE473

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131936

API #:	0403710428	Well #:	10
Well Status:	Plugged	Well Type:	OG
Operator Name:	Peter B. Rothschild	Lease Name:	Lease by Peter B. Rothschild
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BE474

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131937

API #:	0403710429	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Peter B. Rothschild	Lease Name:	Dollarhide
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

475

NE

1/2 - 1 Mile

OIL_GAS

CAOG13000005549

API #:	0403705901	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Shell Western E&P Inc.	Lease Name:	Virginia
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BC476

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131027

API #:	0403709489	Well #:	15
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Craig-Burns	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BE477
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131940

API #:	0403710432	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Peter B. Rothschild	Lease Name:	Mcbo
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BC478
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131015

API #:	0403709477	Well #:	80
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Louise E. Dabney		
Lease Name:	Lease by Estate of Louise E. Dabney		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BH479
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130853

API #:	0403709313	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Gilbert Applegate	Lease Name:	Lease by Gilbert Applegate
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BF480
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131252

API #:	0403709719	Well #:	21
Well Status:	Plugged	Well Type:	OG
Operator Name:	D. B. M. Oil Company	Lease Name:	Lease by D. B. M. Oil Company
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BE481
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133281

API #:	0403711861	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Davis Investment LLC	Lease Name:	Sovereign
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BF482
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131812

API #:	0403710297	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Imperial Gypsum & Oil Corp.		
Lease Name:	Dickey	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BD483
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130845

API #:	0403709305	Well #:	35
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Locke	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BI484
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131103

API #:	0403709565	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Canadian Capital Corp.	Lease Name:	W.M.C.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BB485

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132044

API #:	0403708839	Well #:	14
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Bush
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BI486

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130896

API #:	0403709356	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	Delaney Petroleum Corp.	Lease Name:	Lease by Delaney Petroleum Corp.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BH487

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000132237

API #:	0403710578	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Estate of Kenneth Mills	Lease Name:	H. & B.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BF488

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131954

API #:	0403710447	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	St. Louis Oil Co.	Lease Name:	Lease by St. Louis Oil Co.
Field Name:	Long Beach	Area Name:	Old
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BH489
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000132182

API #:	0403710522	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Shasta Petro. Co.	Lease Name:	Shasta
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BJ490
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131075

API #:	0403709537	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	Richfield-Adams
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BH491
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131591

API #:	0403710070	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mack Oil Co.	Lease Name:	McCullough
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BI492
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130822

API #:	0403709282	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	American Oil Service	Lease Name:	Shasta
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BI493
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131434

API #: 0403709907
Well Status: Plugged
Operator Name: Ring Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Sam Johnson
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

BI494
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131373

API #: 0403709845
Well Status: Plugged
Operator Name: Lee Grumbaugh
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 36
Well Type: OG
Lease Name: Locke
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

BH495
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133216

API #: 0403711795
Well Status: Plugged
Operator Name: Turner Petro. Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 3
Well Type: OG
Lease Name: Vesta
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

BH496
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000130980

API #: 0403709442
Well Status: Plugged
Operator Name: Estate of Louise E. Dabney
Lease Name: Lease by Estate of Louise E. Dabney
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 1
Well Type: OG
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BE497

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132202

API #:	0403710542	Well #:	16
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BJ498

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131190

API #:	0403709656	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	R. T. Colter and W. G. McAdoo		
Lease Name:	King	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BI499

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000130926

API #:	0403709388	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	L. C. Dougan	Lease Name:	Herwick
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

500

ESE

1/2 - 1 Mile

OIL_GAS

CAOG13000131271

API #:	0403709738	Well #:	11
Well Status:	Idle	Well Type:	OG
Operator Name:	F. E. Fairfield & A. D. Mitchell		
Lease Name:	Lease by F. E. Fairfield & A. D. Mitchell		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BF501
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133382

API #:	0403710503	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Selbar Oil Co.	Lease Name:	Lease by Selbar Oil Co.
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BE502
SE
1/2 - 1 Mile

OIL_GAS CAOG13000132203

API #:	0403710543	Well #:	17
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BG503
North
1/2 - 1 Mile

OIL_GAS CAOG13000005657

API #:	0403706067	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Carson (nct-1)
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

BF504
SE
1/2 - 1 Mile

OIL_GAS CAOG13000133191

API #:	0403712206	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Yunker, Morton & Dolley	Lease Name:	Cather
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BI505
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000133237

API #:	0403711816	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Union Oil Company of California		
Lease Name:	Bixby	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BI506
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131491

API #:	0403709967	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	C. C. Herwick	Lease Name:	Shasta
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BI507
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131195

API #:	0403709661	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	E. E. Combs Business Trust No. 3		
Lease Name:	E. E. Combs	Field Name:	Long Beach
Area Name:	Northwest Extension	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

BF508
SE
1/2 - 1 Mile

OIL_GAS CAOG13000131122

API #:	0403709584	Well #:	10
Well Status:	Plugged	Well Type:	OG
Operator Name:	Century Oil Co.	Lease Name:	Century Marine
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BJ509

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132041

API #:	0403708836	Well #:	38
Well Status:	Plugged	Well Type:	OG
Operator Name:	State of California	Lease Name:	A-T O'Donnell
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

510

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000131887

API #:	0403710377	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	H. J. Montgomery	Lease Name:	Hoyt
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BK511

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000130761

API #:	0403709219	Well #:	1-A
Well Status:	Plugged	Well Type:	OG
Operator Name:	L. W. Babcock	Lease Name:	A. S. Johnston
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

BK512

SE

1/2 - 1 Mile

OIL_GAS

CAOG13000132213

API #:	0403710553	Well #:	39
Well Status:	Plugged	Well Type:	OG
Operator Name:	A. S. Johnston Drilling Corp.		
Lease Name:	Lease by A. S. Johnston Drilling Corp.		
Field Name:	Long Beach	Area Name:	Northwest Extension
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BI513
ESE
1/2 - 1 Mile

OIL_GAS CAOG13000131431

API #: 0403709904
Well Status: Plugged
Operator Name: Ring Oil Co.
Field Name: Long Beach
GIS Source: hud
Directionally Drilled: N

Well #: 17
Well Type: OG
Lease Name: Lease by Ring Oil Co.
Area Name: Northwest Extension
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90806	12	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Phase I Environmental Site Assessment
Ambeco Road, Long Beach, California

APPENDIX G

Photographic Log

Appendix G - Photographic Log



SW corner of parcel looking south. Storm drain.



Looking west. Abandoned boring RTB-1.

Appendix G - Photographic Log



Looking south. Dump piles near southern edge of parcel.



Looking east. Labeled soil drum, approximately 75' east of eastern parcel boundary.

Appendix G - Photographic Log



Looking north. Previous boring C-2; SW of proposed RTB-2 located in upper right corner.



Outside of western parcel boundary. Previous boring.

Appendix G - Photographic Log



Petroleum pipeline markers (east-west trending), approximately 50' north of parcel boundary.



Looking northwest. Pipes located outside of NW corner of parcel boundary.

Appendix G - Photographic Log



Looking west at petroleum pipeline mark-out, approximately 50' west of parcel boundary.



Looking south at petroleum pipeline markers. Approximately 50' west of parcel boundary.

Appendix G - Photographic Log



Looking south. Yellow petroleum pipeline markers outside northern parcel boundary.



Looking north. Abandoned RTB-2 in foreground.

Phase I Environmental Site Assessment
Ambeco Road, Long Beach, California

APPENDIX H

User Questionnaire

ASTM E 1527-13 User Questionnaire

In order to qualify for the protection offered under the EPA All Appropriate Inquiry (AAI) Standard, the **User** (entities seeking to use the ASTM E1527-13 Practice to complete an environmental site assessment of the property; i.e. Lenders and/or Borrowers) must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that AAI is not complete. This information should be the collective knowledge of the entities relying on the Phase I. **Please note that you are not being asked to evaluate the property, but rather to provide your knowledge of information on the property.**

Site Name/Address: _____

Person Interviewed/Title: _____ Date: _____

If known, when was the property initially developed? _____

If different, when were the current building(s) on the property constructed? _____

1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Did a search of *recorded land title records* (or judicial records where appropriate, see note 1 below) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law?

Yes___ No___ If you answer yes, please include an explanation in the space provided below:

2. Activity and land use limitations that are in place on the *property* or that have been filed or recorded in a registry (40 CFR 312.26).

Did a search of *recorded land title records* (or judicial records where appropriate, see note 1 below) identify AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed against the *property* under federal, tribal, state, or local law?

Engineering Controls are defined as physical modifications to a site or facility to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property). *Institutional Controls* are defined as a legal or administrative restriction on the use of, or access to, a site or facility to 1) reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property, or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

Yes___ No___ If you answer yes, please include an explanation in the space provided below:

Note 1 - In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than land title records. In such cases judicial records must be searched for environmental liens and AULs.

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

Do you have any specialized knowledge or experience related to the *property* or nearby properties?

For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes___ No___ If you answer yes, please include an explanation in the space provided below:

4. Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

a) Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*?

Yes___ No___ If you answer no, please include an explanation in the space provided below, including whether the lower purchase price is because contamination is known or believed to be present at the *property*?

5. Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *User*:

a. Do you know the past uses of the *property*?

Yes___ No___

b. Do you know of specific chemicals that are present or once were present at the *property*?

Yes___ No___

c. Do you know of spills or other chemical releases that have taken place at the *property*?

Yes___ No___

d. Do you know of any environmental cleanups that have taken place at the *property*?

Yes___ No___

If you answered yes to any of the questions above, please include an explanation in the space provided below:

6. The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the *property*, are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

Yes___ No___ If you answer yes, please include an explanation in the space provided below:

Please provide the following property contact information:

Property Owner: _____

Phone Number: _____

Key Site Personnel: _____

Phone Number: _____

Past Owner: _____

Phone Number: _____