

Appendix 8

Preliminary Hydrology Study

PRELIMINARY HYDROLOGY STUDY

JANA LN COMERCIAL DEVELOPMENT

Wildomar, CA

PREPARED FOR:

Beyond Food Mart Inc

4301 Edison Ave,

Chino, CA 91710

(760) 810-8548

PREPARED BY:



BLUE ENGINEERING & CONSULTING, INC

9320 Baseline Rd. Ste. D

Rancho Cucamonga, CA 91701

(909) 248-6557

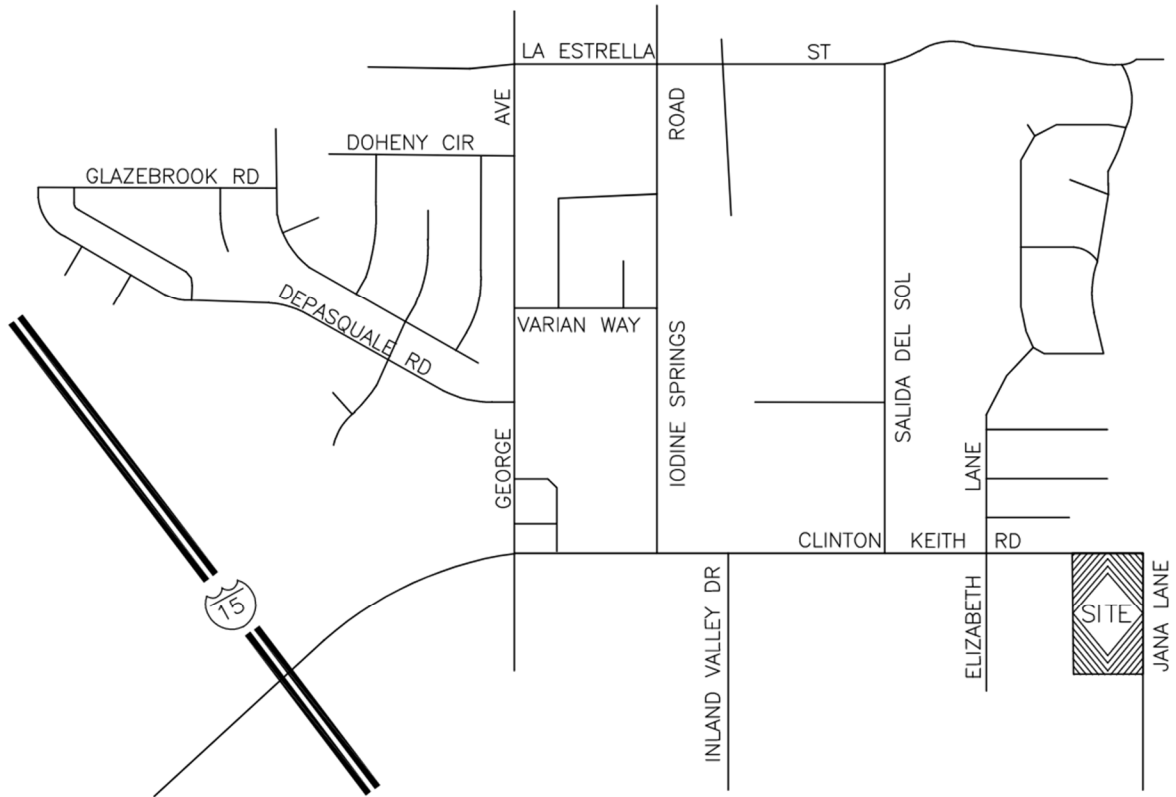
PREPARED UNDER THE SUPERVISION OF:

ANGEL CESAR, RCE 87222

March 2022

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VICINITY MAP
N.T.S.



I. INTRODUCTION

The proposed project Jana Rd Commercial Development is a 4 acres site located on the southwest corner of Clinton Keith Rd & Jana Ln in the City of Wildomar, County of Riverside, State of California (see attached vicinity map). The site is currently undeveloped and bordered by commercial storage unit commercial development on its west and south borders. The proposed project contains a Foodmart 7250 sq feet, carwash tunnel 1790 sq ft, office warehouse with office 14,500 sq ft (3720 sq ft office) and two QSR 2000 and 1800 sq ft.

II. DESCRIPTION OF THE EXISTING PRE-DEVELOPMENT ONSITE CONDITIONS

The subject site consists of a rectangular-shaped parcel, approximately 4 acres in size. The site is currently undeveloped. Ground surface cover consists of exposed soil and shrubs.

The site topography varies throughout the property. The site currently has a high point at approximately the northeast corner and the general drainage is from north to south, and slightly from east to west. Much of the existing topography drains into a storm drain channel. There is an estimated 14 feet of elevation differential across the site.

The project site will remain as one parcel to be developed into mix commercial. Phasing is not anticipated for this project. This hydrology report considers the project in its ultimate condition.

III. POST DEVELOPMENT PROPOSED OFFSITE HYDROLOGY

The project will not receive any offsite flows per the offsite development of the surrounding streets along Jana Ln on the east or Clinton Keith Rd on the north. Offsite flows will also be directed around the site along the proposed curb and gutter along these streets. Water flow will continue south along Jana Ln to an existing catch basin into the existing storm drain line on Jana Ln.

IV. POST DEVELOPMENT PROPOSED ONSITE HYDROLOGY

The proposed project generally maintains the existing drainage pattern. Runoff from the proposed development will be collected in an on-site catch basin and retained with the implementation of a Biofiltration system. Overflow from our system connects to an overflow storm drainpipe that runs through the southern part of the site towards the southeast corner.

The underground biofiltration system was evaluated and found to be an appropriate solution for the mitigation of the required quality volume. The on-site catch basin will be designed to capture drainage from the project site. The lowest pipe out of the system will direct flow to a storage tank the water will be directed into the WetlandMOD for filtration before going into an overflow pipe.

The initial size of the system was determined calculating the difference between the 100yr 24 hr Pre-Development flood volume – 100yr 24yr post-Development flood volume. This gave us the minimum storage size needed for the basin. Calculations using Civil Design could now be performed to test the size of the basin and confirm the basin would not overtop and the outflow would not exceed the pre-development condition.

Hydrologic calculations for the project were performed using CIVILCADD/CIVIL DESIGN Engineering Software, Version 7.1. Peak Flow and Time of Concentration values for each storm event were obtained for the pre-developed and post-developed condition using the “Riverside County Rational Hydrology Program option within the software, as preferred by the City of Wildomar.

The run-off index, time of concentration, pervious fraction and other pertinent information obtained from the rational analysis was then used to generate a post-development Unit Hydrograph for each respective drainage area, as applicable. This was done to compare the existing and proposed condition hydrology mitigation requirements for the rain events of 100-year design storms. The events were split up into 1 hr., 3 hr., 6 hr. and 24 hr. The Unit Hydrograph Analysis was performed using the CIVILCADD/CIVILDESIGN Engineering Software previously mentioned.

As appropriate, the resulting Unit Hydrograph was then imported into the CIVILCADD/CIVIL DESIGN Routing Software to perform basin routing and outflow analysis of each detention basin. The design of the basin follows the requirement to reduce post-development Q max to pre-development levels.

Design Parameters

- The drainage area is in Soil Group D according to the USDA NRCS Soil Survey.
- Antecedent Moisture Content (AMC) of I was used for 2-year and 5-year, II was used for 10-year and III was used for 100-year return frequency storm calculation.
- The onsite drainage area was analyzed for 10-year and 100-year storm event using Rational Method Analysis per Riverside County Hydrology Manual and CIVILCADD/CIVILDESIGN.
- The drainage area is located within a valley area.
- The rainfall depth of a 2-yr 1-hr storm event is 0.545 in. according to RCFC & WCD Plate D4-3.
- The rainfall depth of a 2-yr 3-hr storm event is 0.972 in. according to RCFC & WCD Plate D5-1.
- The rainfall depth of a 2-yr 6-hr storm event is 1.38 in. according to RCFC & WCD Plate D5-3.
- The rainfall depth of a 2-yr 24-hr storm event is 2.45 in. according to RCFC & WCD Plate D5-5.
- The rainfall depth of a 100-yr 1-hr storm event is 1.51 in. according to RCFC & WCD Plate D4-4.
- The rainfall depth of a 100-yr 3-hr storm event is 2.48 in. according to RCFC & WCD Plate D5-2.
- The rainfall depth of a 100-yr 6-hr storm event is 3.44 in. according to RCFC & WCD Plate D5-4.
- The rainfall depth of a 100-yr 24-hr storm event is 6.35 in. according to RCFC & WCD Plate D5-6.
- The impervious that was used for predevelopment is assumed to be 0%.
- The impervious that was used for Commercial subarea type is 90%.

V. HYDROLOGIC RESULTS

Table 1.1a Riverside County Rational Hydrology

Pre-Development Calculations					Post-Development Calculations (Pre-mitigation)				
Drainage area	Area (ac)	Frequency	Tc (min)	Q (cfs)	Drainage area	Area (ac)	Frequency	Tc (min)	Q (cfs)
DA-1	4.16	10 yr	14.30	6.713	DA-1	4.04	10 yr	13.07	8.442
		100 yr		10.946			100 yr		13.072

Table 1.1b Summary of Riverside County Rational Hydrology

	Acres	10 yr	100 yr
Pre-Development	4.16	6.713	10.946
Post Development	4.04	8.442	13.072
Mitigated Flow		1.729	2.126

Table 1.2a Riverside County Unit Hydrograph Analysis

Pre-Development Unit Hydrograph								
Event	2 yr Pre Peak Flow (cfs)	Run-off Volume (cf)	5 yr Pre Peak Flow (cfs)	Run-off Volume (cf)	10 yr Pre Peak Flow (cfs)	Run-off Volume (cf)	100 yr Pre Peak Flow (cfs)	Run-off Volume (cf)
1 hr	2.381	3,875	3.851	7,199	5.563	12,018	9.62	21,905
3 hr	1.809	4,462	2.906	8,167	4.362	17,482	7.499	34,761
6 hr	1.664	5,101	2.672	9,281	4.059	20,693	6.966	46,570
24 hr	0.291	4,036	0.782	9,108	1.705	28,064	3.289	75,280

Post-Development Unit Hydrograph								
Event	2 yr Pre Peak Flow (cfs)	Run-off Volume (cf)	5 yr Pre Peak Flow (cfs)	Run-off Volume (cf)	10 yr Pre Peak Flow (cfs)	Run-off Volume (cf)	100 yr Pre Peak Flow (cfs)	Run-off Volume (cf)
1 hr	3.787	6,947	5.475	10,031	6.911	12,985	11.304	21,702
3 hr	2.838	11,921	3.998	16,516	5.036	20,874	8.104	35,044
6 hr	2.626	16,803	3.661	22,933	4.599	28,620	7.354	47,826
24 hr	1.097	29,462	1.505	40,447	2.003	50,264	3.360	85,082

Table 1.2b Summary of Riverside County Unit Hydrograph Analysis

	1 hr	3 hr	6 hr	24 hr
100yr Pre-Unit Hydrograph	9.62	7.499	6.966	3.289
100 yr Post-Unit Hydrograph	11.304	8.104	7.354	3.360
Mitigated Flow	1.684	0.605	0.388	0.071

Table 1.3 Basin Volumes

Depth (ft)	Volume (ac.-ft)	Outfall (cfs)
0	0	0
1	0.137	0.118
2	0.274	0.170
4	0.548	0.244
6	0.823	2.414
8	1.097	4.459

Table 1.4 Riverside County Flood Hydrograph routing

Post-Mitigation Calculations				
Event	2 yr Pre Peak Flow (cfs)	5 yr Pre Peak Flow (cfs)	10 yr Pre Peak Flow (cfs)	100 yr Post Peak Flow (cfs)
1 hr	0.123	0.148	0.172	0.224
3 hr	0.161	0.19	0.216	1.493
6 hr	0.187	0.222	0.511	2.684
24 hr	0.224	0.778	1.255	2.462

	1 hr	3 hr	6 hr	24 hr
100 yr Pre-Mitigation	11.304	8.104	7.354	3.360
100 yr Post-Mitigation	0.224	1.493	2.684	2.462
Mitigated Flow	<11.080>	<6.611>	<4.670>	<0.898>

Table 1.5 Conclusion Comparison

Event	100 yr Pre-Development (cfs)	100 yr Post Mitigation (cfs)	Change from Pre (cfs)	% Change from Pre
1 hr	9.62	0.224	<9.396>	-97.67%
3 hr	7.499	1.493	<6.006>	-80.09%
6 hr	6.966	2.684	<4.282>	-61.47%
24 hr	3.289	2.462	<0.827>	-25.14%

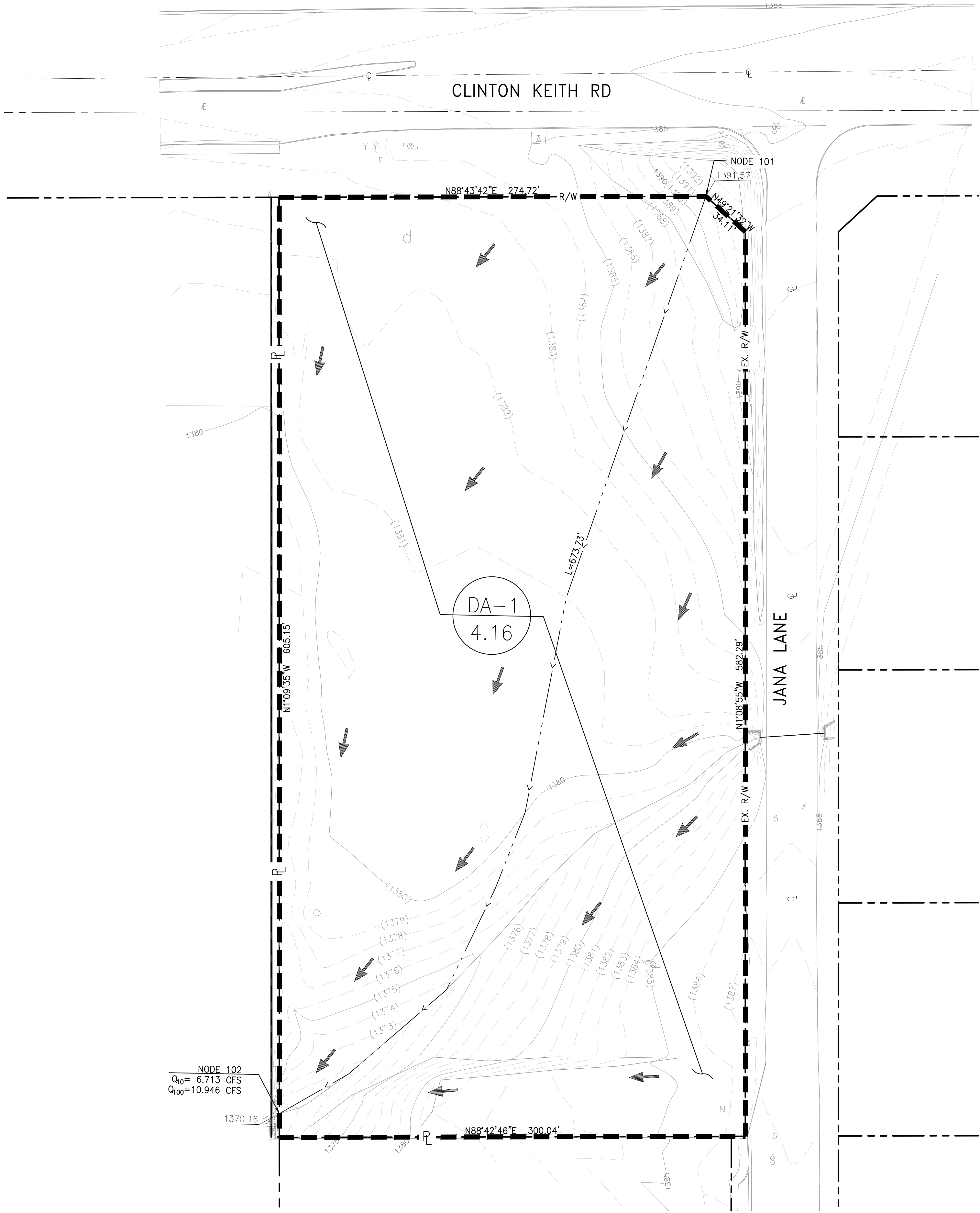
V. CONCLUSION

The proposed project will increase the post Q amount compared to predevelopment levels. To mitigate this increase of flow coming from the project, a underground biofiltration system with the capacity to store up to a volume of 20,125 c.f. is being proposed. Routing of the flow through the basin did show a reduction of flow to predevelopment levels for all storm events.

HYDROLOGY MAP

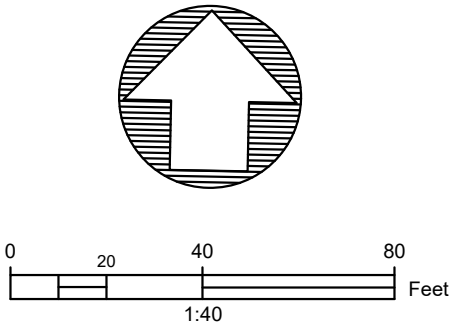
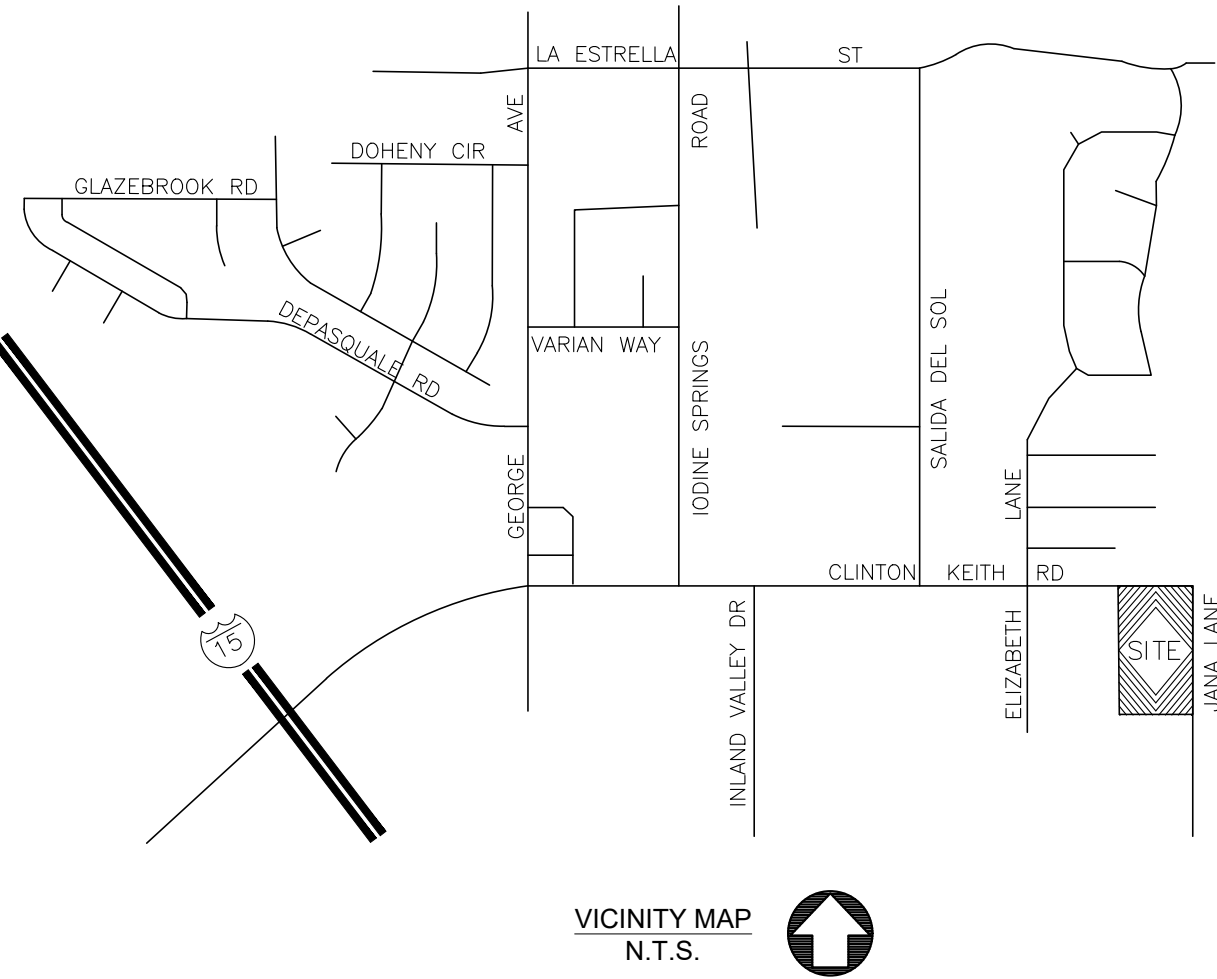
Pre-Development Exhibit
Post Development Exhibit
Soil Map
Rain Maps

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LEGEND

- > FLOW LINE
- FLOW DIRECTION
- - - DRAINAGE AREA BOUNDARY
- # / X.XX DRAINAGE AREA DESIGNATION
- X.XX DRAINAGE AREA



DESIGNED BY: MG

DRAWN BY: CG

CHECKED BY: AC



PLANS PREPARED UNDER THE SUPERVISION OF
ANGEL CESAR, P.E. 87222 EXP. 9/30/23

DATE

REV.

REVISION

DESCRIPTION

BY

DATE

CITY OF WILDOMAR
24831 CLINTON KEITH RD, WILDOMAR, CA 92595

PRE-DEVELOPMENT HYDROLOGY EXHIBIT

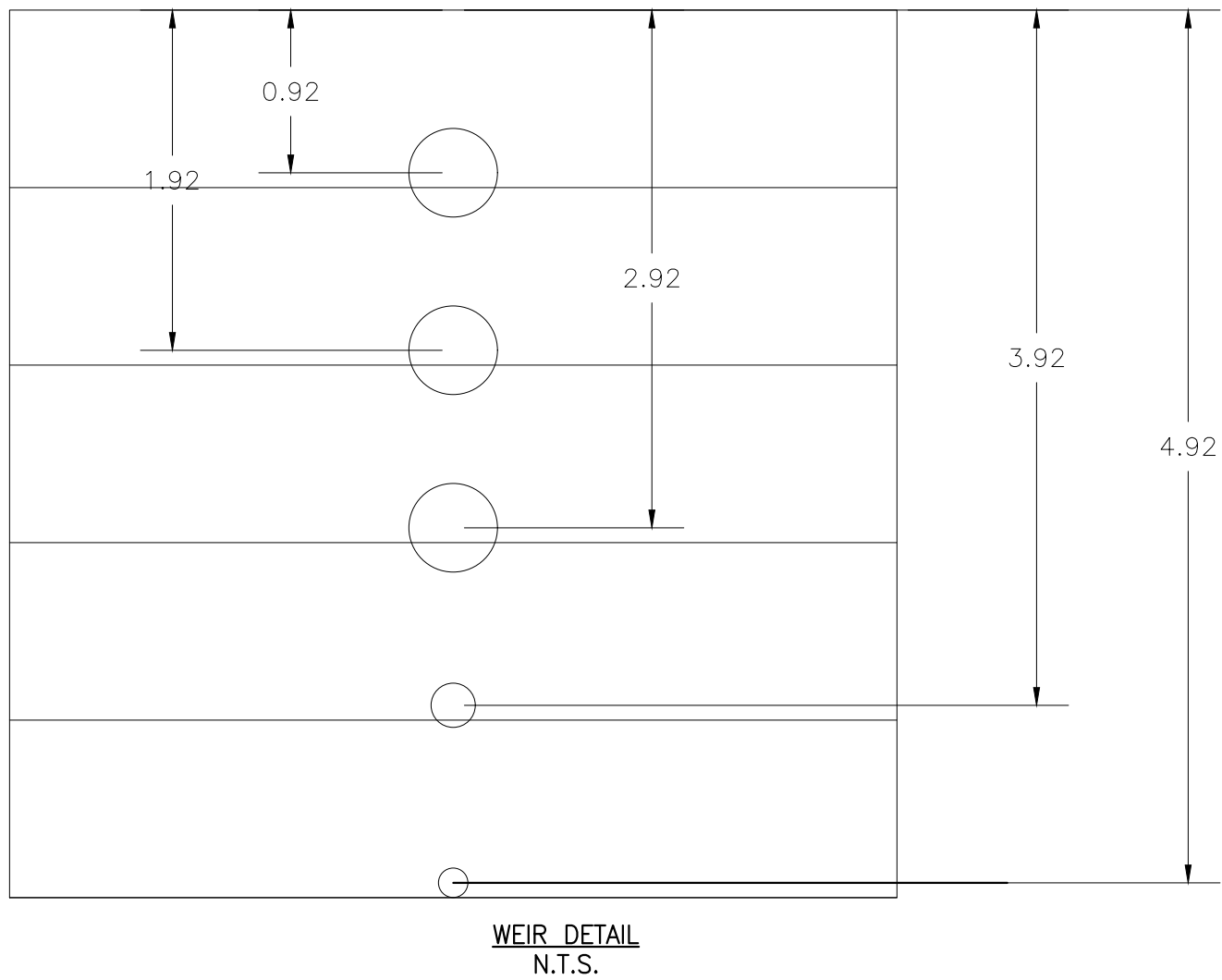
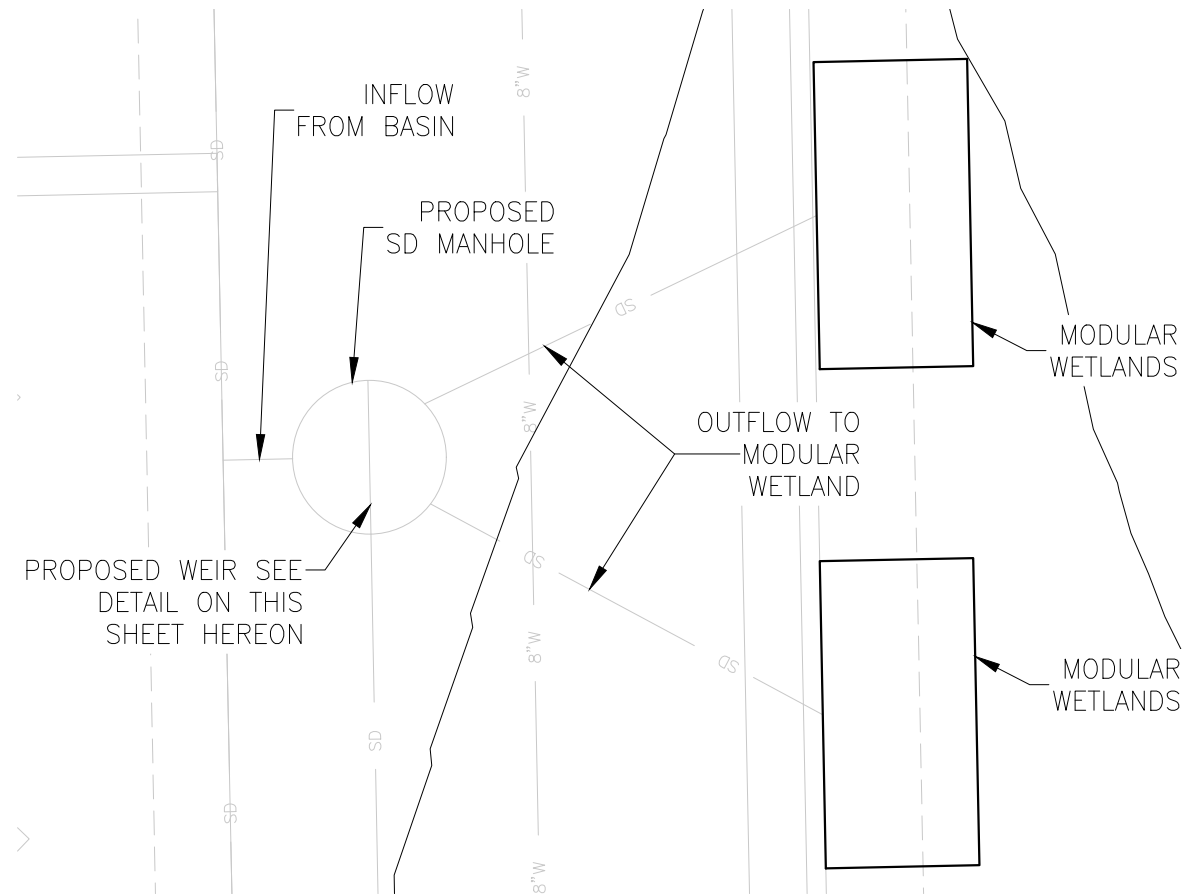
**JANA RD COMMERCIAL DEVELOPMENT
CONDITIONAL USE PERMIT**

CUP:	
LDP:	
DATE:	October 20, 2022
SHEET	6
OF	7 SHEETS
PROJECT NUMBER:	

Plans Prepared On: 10/20/2022

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DESIGNED BY: MG
DRAWN BY: CG
CHECKED BY: AC



PLANS PREPARED UNDER THE SUPERVISION OF
ANGEL CESAR, P.E. 87222 EXP. 9/30/23

DATE

REV.

REVISION

DESCRIPTION

BY

DATE

CITY OF WILDOMAR
24831 CLINTON KEITH RD, WILDOMAR, CA 92595

REVIEWED BY:

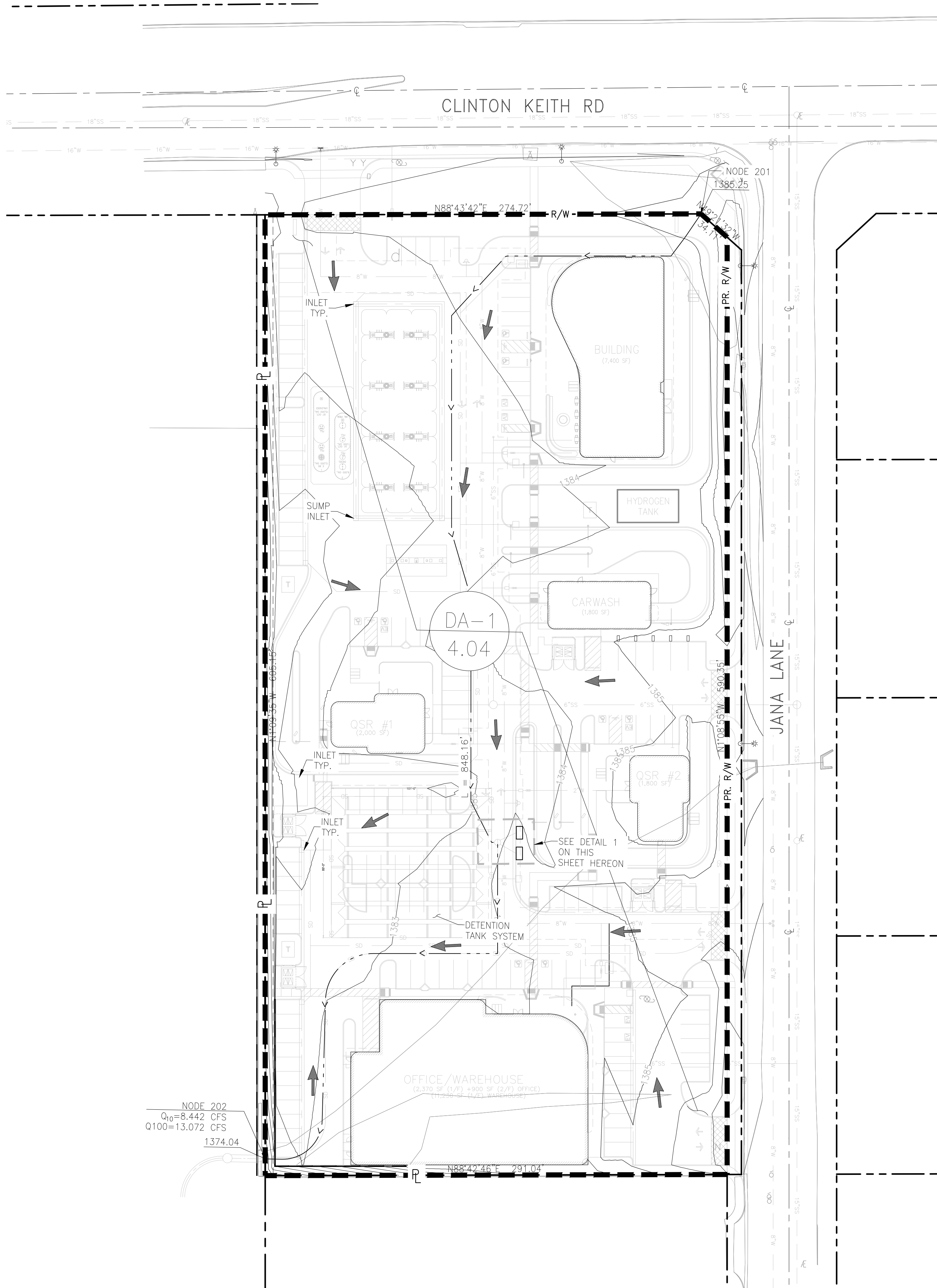
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P.E. NO. C-69109
EXP. DATE 6-30-2020

DATE

POST-DEVELOPMENT HYDROLOGY EXHIBIT
JANA RD COMMERCIAL DEVELOPMENT
CONDITIONAL USE PERMIT

CUP:
LDP:
DATE: October 20, 2022
SHEET 7
OF 7 SHEETS
PROJECT NUMBER:

Plans Prepared On: 10/20/2022



LEGEND

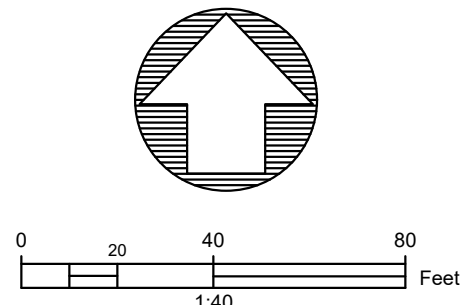
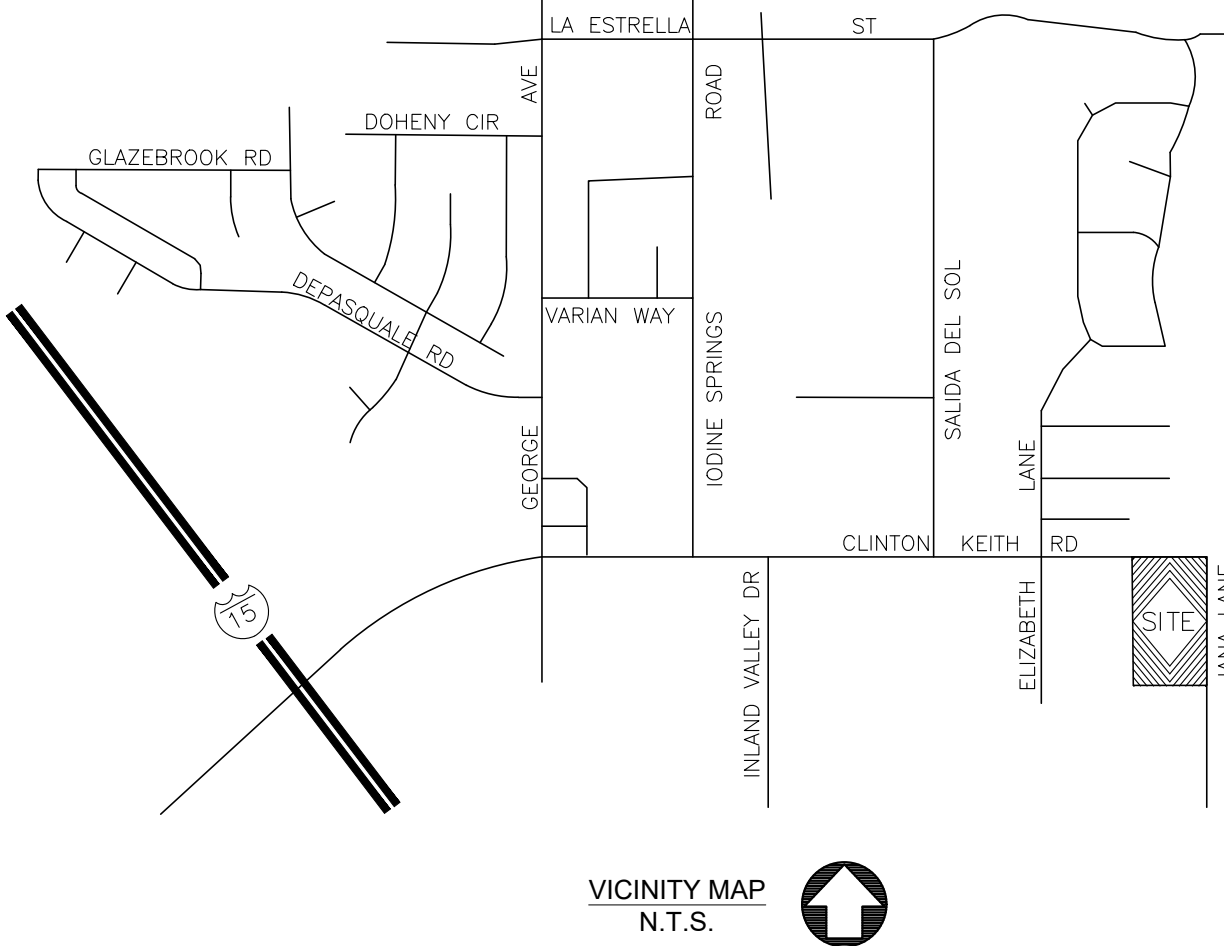
- FLOW LINE
- FLOW DIRECTION
- DRAINAGE AREA BOUNDARY
- DRAINAGE AREA DESIGNATION
- DRAINAGE AREA

NOTE: ALL INLETS HAVE TRASH CAPTURE FILTERS

ENGINEERED SOIL MEDIA REQUIREMENTS

THE ENGINEERED SOIL MEDIA SHALL BE COMPROMISED OF 85 PERCENT MINERAL COMPONENT AND 15 PERCENT ORGANIC COMPONENT, BY VOLUME, DRUM MIXED PRIOR TO PLACEMENT. THE MINERAL COMPONENT SHALL BE CLASS A SANDY LOAM TOPSOIL THAT MEETS THE RANGE SPECIFIED IN THE TABLE BELOW. THE ORGANIC COMPONENT SHALL BE NITROGEN STABILIZED COMPOST, SUCH THAT NITROGEN DOES NOT LEACH MEDIA.

MINERAL COMPONENT RANGE REQUIREMENTS	
Percentage Range	Component
70-80	SAND
15-20	SILT
5-10	CLAY





United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Western Riverside Area, California

**Jana Rd Commercial
Development**



March 9, 2022

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Soil Map—Western Riverside Area, California



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Western Riverside Area, California

Survey Area Data: Version 14, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 7, 2021—Jan 14, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CaD2	Cajalco fine sandy loam, 8 to 15 percent slopes, eroded	0.4	9.7%
MmD2	Monserate sandy loam, 8 to 15 percent slopes, eroded	0.2	4.1%
MnD2	Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded	1.6	38.8%
MnE3	Monserate sandy loam, shallow, 15 to 25 percent slopes, severely eroded	0.4	9.9%
PID	Placentia fine sandy loam, 5 to 15 percent slopes	1.6	37.5%
Totals for Area of Interest		4.2	100.0%

was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Western Riverside Area, California

CaD2—Cajalco fine sandy loam, 8 to 15 percent slopes, eroded

Map Unit Setting

National map unit symbol: hcrz
Elevation: 900 to 3,500 feet
Mean annual precipitation: 12 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 230 to 300 days
Farmland classification: Not prime farmland

Map Unit Composition

Cajalco and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cajalco

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Residuum weathered from gabbro

Typical profile

H1 - 0 to 13 inches: fine sandy loam
H2 - 13 to 22 inches: loam
H3 - 22 to 62 inches: weathered bedrock

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Available water supply, 0 to 60 inches: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: R019XD029CA - LOAMY
Hydric soil rating: No

Minor Components

Honcut

Percent of map unit: 5 percent

Custom Soil Resource Report

Hydric soil rating: No

Cajalco

Percent of map unit: 5 percent

Hydric soil rating: No

Temescal

Percent of map unit: 2 percent

Hydric soil rating: No

Las posas

Percent of map unit: 2 percent

Hydric soil rating: No

Wyman

Percent of map unit: 1 percent

Hydric soil rating: No

MmD2—Monserate sandy loam, 8 to 15 percent slopes, eroded

Map Unit Setting

National map unit symbol: hcx6

Elevation: 700 to 2,500 feet

Mean annual precipitation: 10 to 18 inches

Mean annual air temperature: 63 to 64 degrees F

Frost-free period: 220 to 280 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Monserate and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Monserate

Setting

Landform: Alluvial fans

Landform position (three-dimensional): Tread

Down-slope shape: Concave

Across-slope shape: Linear

Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 10 inches: sandy loam

H2 - 10 to 28 inches: sandy clay loam

H3 - 28 to 45 inches: indurated

H4 - 45 to 57 inches: cemented

H5 - 57 to 70 inches: loamy coarse sand

Properties and qualities

Slope: 8 to 15 percent

Depth to restrictive feature: 20 to 39 inches to duripan

Custom Soil Resource Report

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Low (about 4.1 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C

Ecological site: R019XD029CA - LOAMY

Hydric soil rating: No

Minor Components

Hanford

Percent of map unit: 5 percent

Hydric soil rating: No

Tujunga

Percent of map unit: 5 percent

Hydric soil rating: No

Greenfield

Percent of map unit: 5 percent

Hydric soil rating: No

MnD2—Monserate sandy loam, shallow, 5 to 15 percent slopes, eroded

Map Unit Setting

National map unit symbol: hcx8

Elevation: 700 to 2,500 feet

Mean annual precipitation: 10 to 18 inches

Mean annual air temperature: 63 to 64 degrees F

Frost-free period: 220 to 280 days

Farmland classification: Not prime farmland

Map Unit Composition

Monserate and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Monserate

Setting

Landform: Alluvial fans

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Custom Soil Resource Report

Across-slope shape: Linear

Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 10 inches: sandy loam

H2 - 10 to 18 inches: sandy clay loam

H3 - 18 to 45 inches: indurated

H4 - 45 to 57 inches: cemented

H5 - 57 to 70 inches: loamy coarse sand

Properties and qualities

Slope: 5 to 15 percent

Depth to restrictive feature: 10 to 20 inches to duripan

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: D

Ecological site: R019XD060CA - SHALLOW LOAMY (1975)

Hydric soil rating: No

Minor Components

Tujunga

Percent of map unit: 5 percent

Hydric soil rating: No

Hanford

Percent of map unit: 5 percent

Hydric soil rating: No

Greenfield

Percent of map unit: 5 percent

Hydric soil rating: No

MnE3—Monserate sandy loam, shallow, 15 to 25 percent slopes, severely eroded

Map Unit Setting

National map unit symbol: hcx9

Elevation: 700 to 2,500 feet

Mean annual precipitation: 10 to 18 inches

Mean annual air temperature: 63 to 64 degrees F

Frost-free period: 220 to 280 days

Custom Soil Resource Report

Farmland classification: Not prime farmland

Map Unit Composition

Monserate and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Monserate

Setting

Landform: Alluvial fans

Landform position (three-dimensional): Tread

Down-slope shape: Concave

Across-slope shape: Convex

Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 10 inches: sandy loam

H2 - 10 to 18 inches: sandy clay loam

H3 - 18 to 45 inches: indurated

H4 - 45 to 57 inches: cemented

H5 - 57 to 70 inches: loamy coarse sand

Properties and qualities

Slope: 15 to 25 percent

Depth to restrictive feature: 10 to 20 inches to duripan

Drainage class: Well drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R019XD060CA - SHALLOW LOAMY (1975)

Hydric soil rating: No

Minor Components

Greenfield

Percent of map unit: 5 percent

Hydric soil rating: No

Hanford

Percent of map unit: 5 percent

Hydric soil rating: No

Tujunga

Percent of map unit: 5 percent

Hydric soil rating: No

PID—Placentia fine sandy loam, 5 to 15 percent slopes

Map Unit Setting

National map unit symbol: hcxw
Elevation: 50 to 2,500 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 61 to 64 degrees F
Frost-free period: 200 to 300 days
Farmland classification: Not prime farmland

Map Unit Composition

Placentia and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Placentia

Setting

Landform: Terraces, alluvial fans
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 18 inches: fine sandy loam
H2 - 18 to 39 inches: clay
H3 - 39 to 57 inches: clay loam
H4 - 57 to 60 inches: gravelly sandy loam

Properties and qualities

Slope: 5 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 50.0
Available water supply, 0 to 60 inches: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Ecological site: R019XD061CA - CLAYPAN (1975)

Custom Soil Resource Report

Hydric soil rating: No

Minor Components

Greenfield

Percent of map unit: 5 percent

Hydric soil rating: No

Hanford

Percent of map unit: 5 percent

Hydric soil rating: No

Ramona

Percent of map unit: 4 percent

Hydric soil rating: No

Unnamed, ponded

Percent of map unit: 1 percent

Landform: Depressions

Hydric soil rating: Yes

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NOAA Atlas 14, Volume 6, Version 2
Location name: Wildomar, California, USA*
Latitude: 33.5967°, Longitude: -117.2265°
Elevation: 1384.51 ft**
* source: ESRI Maps
** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps_&_aerials](#)

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.099 (0.083-0.119)	0.133 (0.112-0.161)	0.180 (0.151-0.218)	0.220 (0.182-0.269)	0.277 (0.221-0.350)	0.322 (0.252-0.416)	0.369 (0.281-0.490)	0.419 (0.310-0.573)	0.490 (0.347-0.700)	0.547 (0.373-0.809)
10-min	0.141 (0.119-0.170)	0.191 (0.160-0.230)	0.259 (0.216-0.313)	0.316 (0.262-0.385)	0.397 (0.317-0.501)	0.461 (0.361-0.596)	0.529 (0.403-0.702)	0.601 (0.445-0.821)	0.703 (0.497-1.00)	0.784 (0.535-1.16)
15-min	0.171 (0.143-0.206)	0.231 (0.193-0.278)	0.313 (0.261-0.378)	0.382 (0.316-0.466)	0.480 (0.383-0.606)	0.558 (0.436-0.721)	0.640 (0.487-0.849)	0.727 (0.538-0.993)	0.850 (0.601-1.21)	0.948 (0.647-1.40)
30-min	0.268 (0.224-0.322)	0.361 (0.303-0.436)	0.489 (0.409-0.592)	0.598 (0.495-0.729)	0.751 (0.600-0.949)	0.873 (0.682-1.13)	1.00 (0.763-1.33)	1.14 (0.841-1.55)	1.33 (0.941-1.90)	1.48 (1.01-2.20)
60-min	0.404 (0.339-0.486)	0.545 (0.457-0.658)	0.739 (0.617-0.893)	0.902 (0.747-1.10)	1.13 (0.906-1.43)	1.32 (1.03-1.70)	1.51 (1.15-2.01)	1.72 (1.27-2.35)	2.01 (1.42-2.87)	2.24 (1.53-3.32)
2-hr	0.597 (0.501-0.719)	0.788 (0.660-0.950)	1.05 (0.874-1.26)	1.26 (1.05-1.54)	1.57 (1.25-1.98)	1.80 (1.41-2.33)	2.05 (1.56-2.72)	2.32 (1.71-3.16)	2.68 (1.90-3.82)	2.97 (2.03-4.39)
3-hr	0.741 (0.622-0.892)	0.972 (0.814-1.17)	1.28 (1.07-1.55)	1.54 (1.27-1.88)	1.90 (1.52-2.40)	2.18 (1.71-2.82)	2.48 (1.89-3.28)	2.79 (2.06-3.80)	3.21 (2.27-4.58)	3.55 (2.42-5.25)
6-hr	1.05 (0.884-1.27)	1.38 (1.15-1.66)	1.81 (1.51-2.19)	2.16 (1.79-2.64)	2.66 (2.12-3.36)	3.04 (2.38-3.93)	3.44 (2.62-4.56)	3.85 (2.85-5.26)	4.42 (3.13-6.31)	4.86 (3.32-7.20)
12-hr	1.39 (1.17-1.67)	1.84 (1.54-2.22)	2.43 (2.03-2.94)	2.91 (2.41-3.55)	3.58 (2.86-4.52)	4.09 (3.20-5.29)	4.62 (3.52-6.12)	5.16 (3.81-7.04)	5.89 (4.17-8.41)	6.47 (4.41-9.57)
24-hr	1.81 (1.60-2.09)	2.45 (2.16-2.83)	3.29 (2.90-3.81)	3.97 (3.47-4.64)	4.90 (4.15-5.91)	5.62 (4.66-6.91)	6.35 (5.14-7.99)	7.10 (5.60-9.18)	8.12 (6.15-10.9)	8.91 (6.53-12.4)
2-day	2.17 (1.92-2.51)	3.01 (2.66-3.48)	4.13 (3.64-4.79)	5.05 (4.42-5.90)	6.32 (5.35-7.62)	7.30 (6.06-8.98)	8.31 (6.74-10.5)	9.37 (7.39-12.1)	10.8 (8.20-14.6)	12.0 (8.76-16.6)
3-day	2.32 (2.05-2.67)	3.27 (2.89-3.78)	4.55 (4.00-5.27)	5.61 (4.90-6.55)	7.08 (5.99-8.53)	8.24 (6.83-10.1)	9.44 (7.65-11.9)	10.7 (8.44-13.8)	12.5 (9.45-16.8)	13.9 (10.2-19.3)
4-day	2.49 (2.20-2.88)	3.55 (3.14-4.11)	4.98 (4.39-5.77)	6.17 (5.39-7.21)	7.84 (6.63-9.45)	9.16 (7.60-11.3)	10.5 (8.54-13.3)	12.0 (9.46-15.5)	14.0 (10.6-18.9)	15.7 (11.5-21.8)
7-day	2.85 (2.52-3.30)	4.10 (3.62-4.74)	5.80 (5.10-6.72)	7.23 (6.31-8.44)	9.24 (7.82-11.1)	10.9 (9.00-13.4)	12.6 (10.2-15.8)	14.4 (11.3-18.6)	16.9 (12.8-22.8)	19.0 (13.9-26.4)
10-day	3.05 (2.69-3.52)	4.40 (3.88-5.08)	6.25 (5.50-7.24)	7.81 (6.83-9.13)	10.0 (8.50-12.1)	11.8 (9.82-14.6)	13.7 (11.1-17.3)	15.8 (12.4-20.4)	18.7 (14.1-25.1)	21.0 (15.4-29.2)
20-day	3.69 (3.26-4.26)	5.37 (4.74-6.21)	7.72 (6.80-8.95)	9.74 (8.51-11.4)	12.7 (10.7-15.3)	15.0 (12.5-18.5)	17.6 (14.2-22.1)	20.3 (16.0-26.3)	24.3 (18.4-32.7)	27.6 (20.2-38.4)
30-day	4.34 (3.84-5.01)	6.33 (5.59-7.32)	9.13 (8.04-10.6)	11.6 (10.1-13.5)	15.1 (12.8-18.2)	18.0 (14.9-22.2)	21.2 (17.1-26.7)	24.6 (19.4-31.8)	29.6 (22.4-39.8)	33.7 (24.7-46.9)
45-day	5.10 (4.51-5.89)	7.39 (6.52-8.54)	10.6 (9.37-12.3)	13.5 (11.8-15.8)	17.7 (15.0-21.4)	21.2 (17.6-26.1)	25.0 (20.3-31.5)	29.2 (23.0-37.8)	35.3 (26.8-47.6)	40.5 (29.7-56.3)
60-day	5.89 (5.21-6.80)	8.45 (7.46-9.77)	12.1 (10.7-14.0)	15.4 (13.4-17.9)	20.2 (17.1-24.3)	24.2 (20.1-29.8)	28.6 (23.2-36.1)	33.5 (26.4-43.3)	40.7 (30.8-54.8)	46.7 (34.3-65.1)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

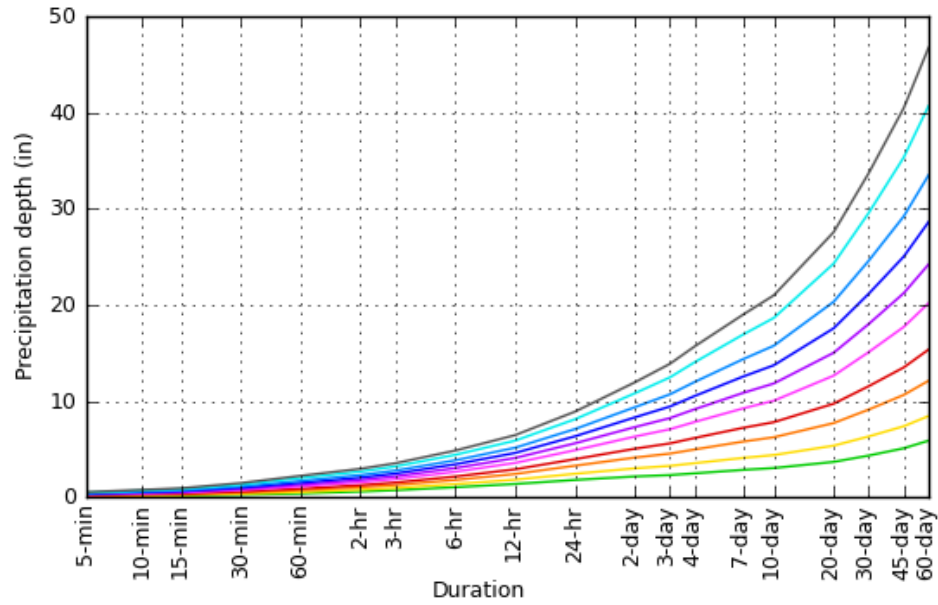
Please refer to NOAA Atlas 14 document for more information.

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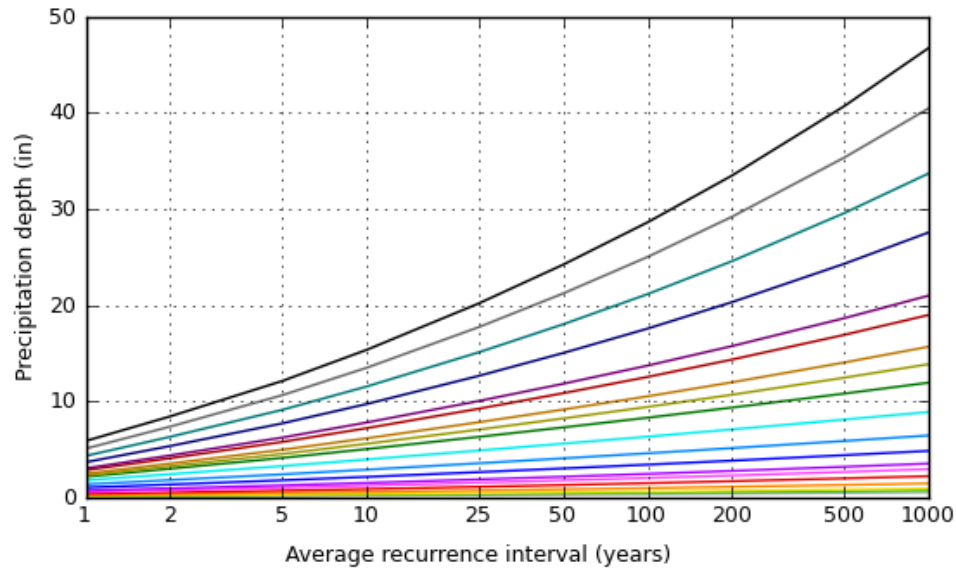
PF graphical

PDS-based depth-duration-frequency (DDF) curves

Latitude: 33.5967°, Longitude: -117.2265°



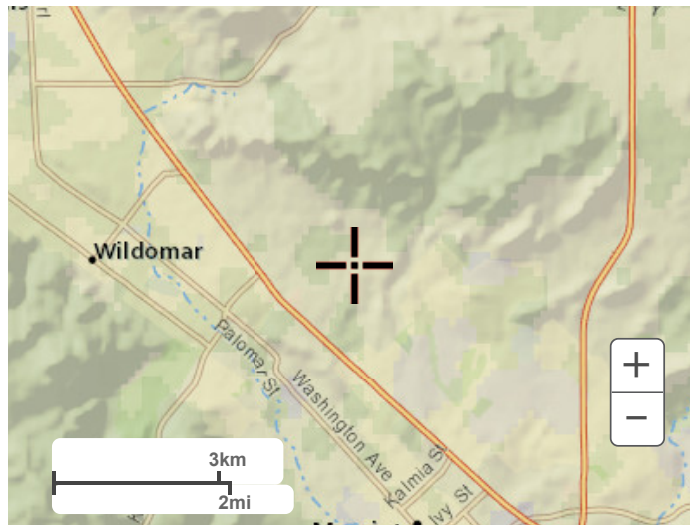
Average recurrence interval (years)
1
2
5
10
25
50
100
200
500
1000



Duration	
5-min	2-day
10-min	3-day
15-min	4-day
30-min	7-day
60-min	10-day
2-hr	20-day
3-hr	30-day
6-hr	45-day
12-hr	60-day
24-hr	

Maps & aerials

Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



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Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc.

SD LINE TO TANKS

Circular

Diameter (ft) = 1.50

Invert Elev (ft) = 1378.64

Slope (%) = 6.00

N-Value = 0.025

Calculations

Compute by: Q vs Depth

No. Increments = 10

Highlighted

Depth (ft) = 1.20

Q (cfs) = 13.08

Area (sqft) = 1.52

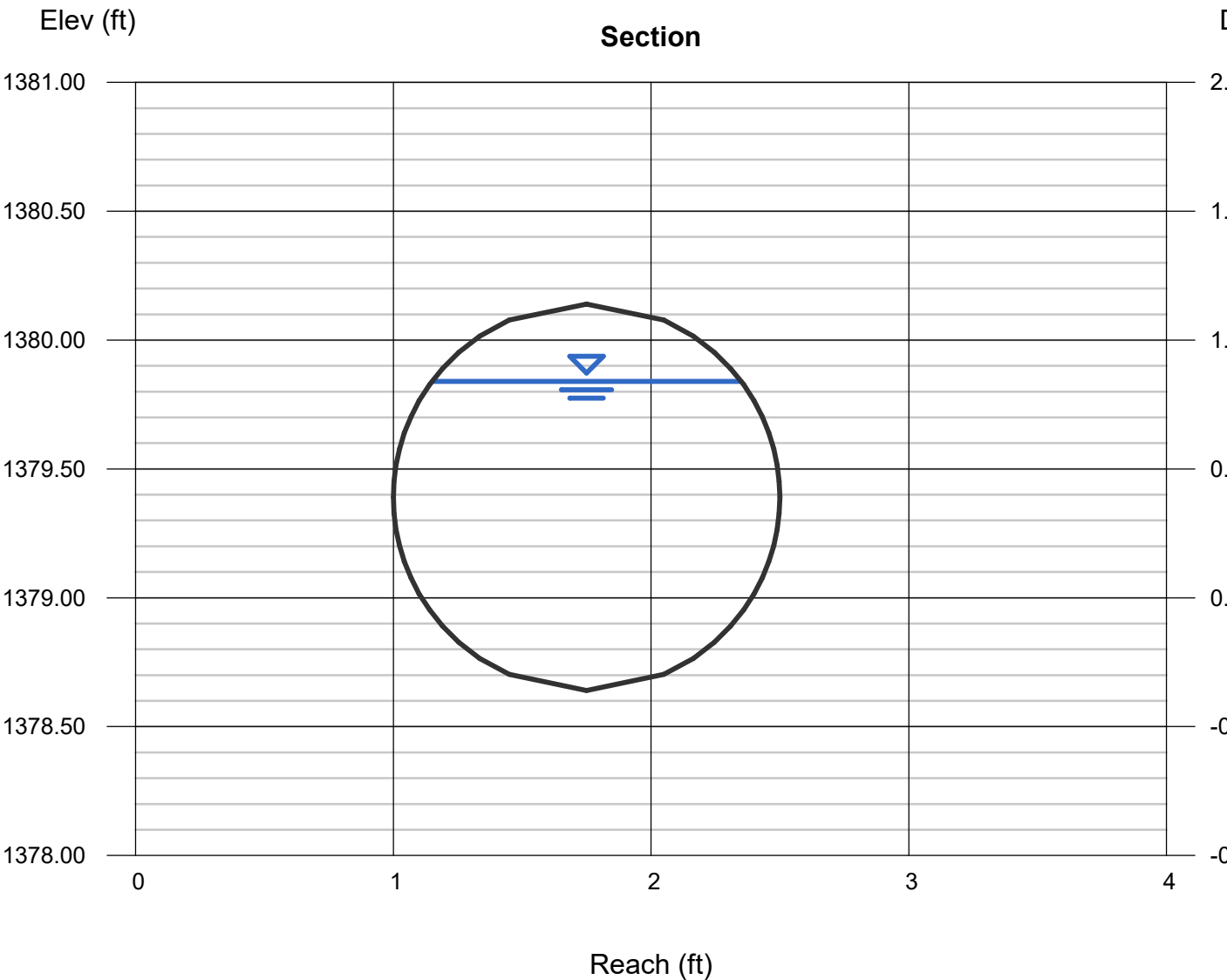
Velocity (ft/s) = 8.63

Wetted Perim (ft) = 3.32

Crit Depth, Yc (ft) = 1.36

Top Width (ft) = 1.20

EGL (ft) = 2.36



Depth	Q	Area	Veloc	Wp	Yc
(ft)	(cfs)	(sqft)	(ft/s)	(ft)	(ft)
0.15	0.282	0.093	3.04	0.97	0.20
0.30	1.184	0.254	4.67	1.39	0.41
0.45	2.625	0.447	5.88	1.74	0.62
0.60	4.513	0.661	6.83	2.05	0.82
0.75	6.735	0.888	7.58	2.36	1.01
0.90	9.018	1.110	8.12	2.66	1.17
1.05	11.22	1.324	8.48	2.98	1.28
1.20	13.08	1.516	8.63	3.32	1.36
1.35	14.26	1.676	8.51	3.75	1.39
1.50	13.38	1.767	7.57	4.71	1.37

TopWidth	Energy
(ft)	(ft)
0.90	0.29
1.20	0.64
1.38	0.99
1.47	1.33
1.50	1.64
1.47	1.93
1.37	2.17
1.20	2.36
0.90	2.48
0.00	2.39

Inlet Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc.

Typ Catch Basin Inlet

Combination Inlet

Location	= Sag
Curb Length (ft)	= 4.00
Throat Height (in)	= 6.00
Grate Area (sqft)	= 3.00
Grate Width (ft)	= 1.50
Grate Length (ft)	= 2.00

Gutter

Slope, Sw (ft/ft)	= 0.080
Slope, Sx (ft/ft)	= 0.020
Local Depr (in)	= -0-
Gutter Width (ft)	= 2.00
Gutter Slope (%)	= -0-
Gutter n-value	= -0-

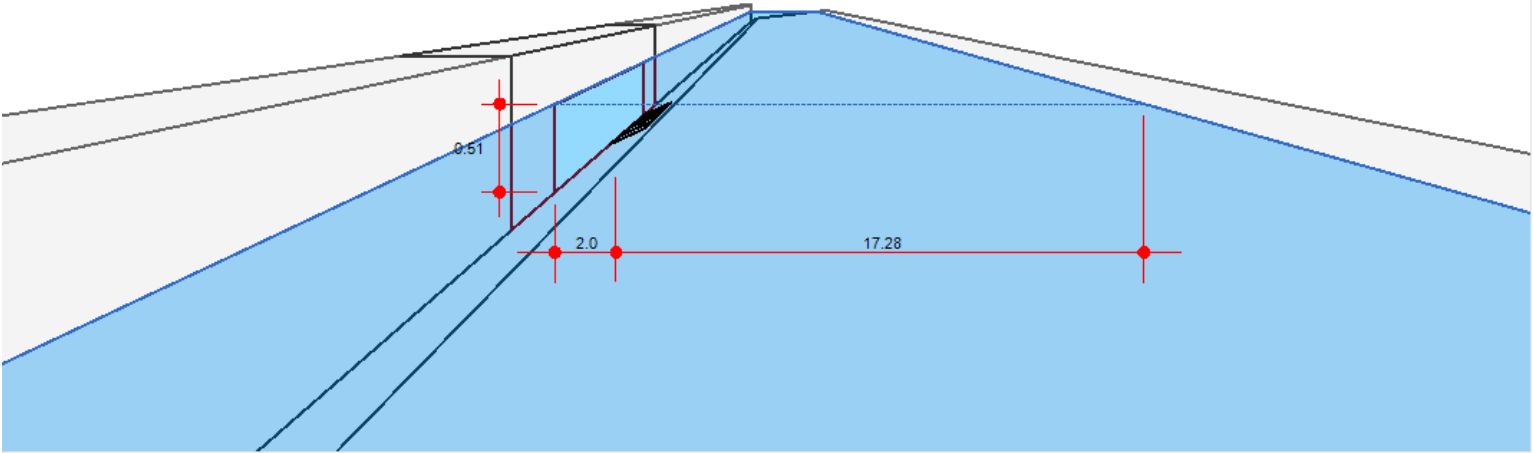
Calculations

Compute by:	Q vs Depth
Max Depth (in)	= 6

Highlighted

Q Total (cfs)	= 7.25
Q Capt (cfs)	= 7.25
Q Bypass (cfs)	= -0-
Depth at Inlet (in)	= 6.07
Efficiency (%)	= 100
Gutter Spread (ft)	= 19.28
Gutter Vel (ft/s)	= -0-
Bypass Spread (ft)	= -0-
Bypass Depth (in)	= -0-

All dimensions in feet



User Inputs

Chamber Model:	MC-3500
Outlet Control Structure:	Yes
Project Name:	Jana Ln
Engineer:	N/A
Project Location:	California
Measurement Type:	Imperial
Required Storage Volume:	22370 cubic ft.
Stone Porosity:	40%
Stone Foundation Depth:	9 in.
Stone Above Chambers:	12 in.
Average Cover Over Chambers:	18 in.
Design Constraint Dimensions:	(89 ft. x 101 ft.)

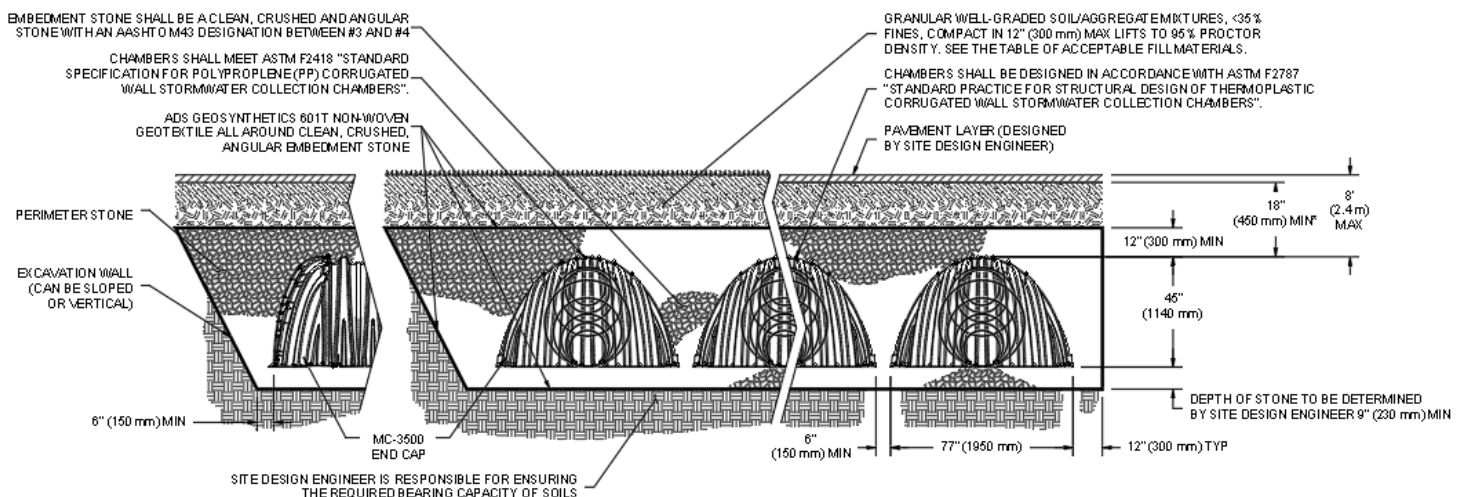
Results

System Volume and Bed Size

Installed Storage Volume:	23091.50 cubic ft.
Storage Volume Per Chamber:	109.90 cubic ft.
Number Of Chambers Required:	120
Number Of End Caps Required:	20
Chamber Rows:	10
Maximum Length:	100.02 ft.
Maximum Width:	71.27 ft.
Approx. Bed Size Required:	6818.14 square ft.

System Components

Amount Of Stone Required:	890 cubic yards
Volume Of Excavation (Not Including Fill):	1389 cubic yards
Total Non-woven Geotextile Required:	2070 square yards
Woven Geotextile Required (excluding Isolator Row):	118 square yards
Woven Geotextile Required (Isolator Row):	105 square yards
Total Woven Geotextile Required:	222 square yards



*MINIMUM COVER TO BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED INSTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 24"

APPENDIX

CIVILCADD/CIVILDESIGN Rational Method Hydrology

Pre-Development 10 yr. and 100 yr.

Post Development 10 yr. and 100 yr.

CIVILCADD/CIVILDESIGN Unit Hydrograph Analysis

Pre – Development 100 yr.

1 hr., 3 hr., 6 hr., 24 hr.

Post – Development 100 yr.

1 hr., 3 hr., 6 hr., 24 hr.

CIVILCADD/CIVILDESIGN Flood Hydrograph Routing Program

Post – Mitigation 100 yr.

1 hr., 3 hr., 6 hr., 24 hr.

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 03/11/22 File:Jana.out

Jana Commercial Development
Pre Development
10 YR

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 6481

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 10.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)

For the [Elsinore-Wildomar] area used.

10 year storm 10 minute intensity = 2.320(In/Hr)

10 year storm 60 minute intensity = 0.980(In/Hr)

100 year storm 10 minute intensity = 3.540(In/Hr)

100 year storm 60 minute intensity = 1.500(In/Hr)

Storm event year = 10.0

Calculated rainfall intensity data:

1 hour intensity = 0.980(In/Hr)

Slope of intensity duration curve = 0.4800

++++
Process from Point/Station 101.000 to Point/Station 102.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 673.730(Ft.)

Top (of initial area) elevation = 1391.570(Ft.)

Bottom (of initial area) elevation = 1370.160(Ft.)

Difference in elevation = 21.410(Ft.)
 Slope = 0.03178 s(percent)= 3.18
 $TC = k(0.530)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 14.297 min.
 Rainfall intensity = 1.951(In/Hr) for a 10.0 year storm
 UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.827
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.138
 Decimal fraction soil group D = 0.862
 RI index for soil(AMC 2) = 88.59
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Initial subarea runoff = 6.713(CFS)
 Total initial stream area = 4.160(Ac.)
 Pervious area fraction = 1.000
 End of computations, total study area = 4.16 (Ac.)
 The following figures may
 be used for a unit hydrograph study of the same area.

 Area averaged pervious area fraction(A_p) = 1.000
 Area averaged RI index number = 88.6

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 03/11/22 File:Jana.out

Jana Commercial Development
Pre Development
100 YR

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 6481

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 3

Standard intensity-duration curves data (Plate D-4.1)

For the [Elsinore-Wildomar] area used.

10 year storm 10 minute intensity = 2.320(In/Hr)

10 year storm 60 minute intensity = 0.980(In/Hr)

100 year storm 10 minute intensity = 3.540(In/Hr)

100 year storm 60 minute intensity = 1.500(In/Hr)

Storm event year = 100.0

Calculated rainfall intensity data:

1 hour intensity = 1.500(In/Hr)

Slope of intensity duration curve = 0.4800

++++
Process from Point/Station 101.000 to Point/Station 102.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 673.730(Ft.)

Top (of initial area) elevation = 1391.570(Ft.)

Bottom (of initial area) elevation = 1370.160(Ft.)

Difference in elevation = 21.410(Ft.)
 Slope = 0.03178 s(percent)= 3.18
 $TC = k(0.530)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 14.297 min.
 Rainfall intensity = 2.986(In/Hr) for a 100.0 year storm
 UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.881
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.138
 Decimal fraction soil group D = 0.862
 RI index for soil(AMC 3) = 95.43
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Initial subarea runoff = 10.946(CFS)
 Total initial stream area = 4.160(Ac.)
 Pervious area fraction = 1.000
 End of computations, total study area = 4.16 (Ac.)
 The following figures may
 be used for a unit hydrograph study of the same area.

 Area averaged pervious area fraction(A_p) = 1.000
 Area averaged RI index number = 88.6

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 03/11/22 File:JanaPost.out

Jana Commercial Development
Post Development
10 yr

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 6481

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 10.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)

For the [Elsinore-Wildomar] area used.

10 year storm 10 minute intensity = 2.320(In/Hr)

10 year storm 60 minute intensity = 0.980(In/Hr)

100 year storm 10 minute intensity = 3.540(In/Hr)

100 year storm 60 minute intensity = 1.500(In/Hr)

Storm event year = 10.0

Calculated rainfall intensity data:

1 hour intensity = 0.980(In/Hr)

Slope of intensity duration curve = 0.4800

++++
Process from Point/Station 201.000 to Point/Station 202.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 785.380(Ft.)

Top (of initial area) elevation = 1385.360(Ft.)

Bottom (of initial area) elevation = 1371.000(Ft.)
 Difference in elevation = 14.360(Ft.)
 Slope = 0.01828 s(percent)= 1.83
 $TC = k(0.300)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 9.610 min.
 Rainfall intensity = 2.361(In/Hr) for a 10.0 year storm
 COMMERCIAL subarea type
 Runoff Coefficient = 0.885
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.138
 Decimal fraction soil group D = 0.862
 RI index for soil(AMC 2) = 74.17
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Initial subarea runoff = 8.442(CFS)
 Total initial stream area = 4.040(Ac.)
 Pervious area fraction = 0.100
 End of computations, total study area = 4.04 (Ac.)
 The following figures may
 be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(A_p) = 0.100
 Area averaged RI index number = 74.2

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 03/11/22 File:JanaPost.out

Jana Commercial Development
Post Development
100 YR

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 6481

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 3

Standard intensity-duration curves data (Plate D-4.1)

For the [Elsinore-Wildomar] area used.

10 year storm 10 minute intensity = 2.320(In/Hr)

10 year storm 60 minute intensity = 0.980(In/Hr)

100 year storm 10 minute intensity = 3.540(In/Hr)

100 year storm 60 minute intensity = 1.500(In/Hr)

Storm event year = 100.0

Calculated rainfall intensity data:

1 hour intensity = 1.500(In/Hr)

Slope of intensity duration curve = 0.4800

++++
Process from Point/Station 201.000 to Point/Station 202.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 785.380(Ft.)

Top (of initial area) elevation = 1385.360(Ft.)

Bottom (of initial area) elevation = 1371.000(Ft.)
 Difference in elevation = 14.360(Ft.)
 Slope = 0.01828 s(percent)= 1.83
 $TC = k(0.300)*[(length^3)/(elevation\ change)]^{0.2}$
 Initial area time of concentration = 9.610 min.
 Rainfall intensity = 3.613(In/Hr) for a 100.0 year storm
 COMMERCIAL subarea type
 Runoff Coefficient = 0.895
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.138
 Decimal fraction soil group D = 0.862
 RI index for soil(AMC 3) = 87.50
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Initial subarea runoff = 13.072(CFS)
 Total initial stream area = 4.040(Ac.)
 Pervious area fraction = 0.100
 End of computations, total study area = 4.04 (Ac.)
 The following figures may
 be used for a unit hydrograph study of the same area.

 Area averaged pervious area fraction(A_p) = 0.100
 Area averaged RI index number = 74.2

Unit Hydrograph Analysis

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Study date 03/11/22 File: JanaPre1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Jana Commercial Development
Pre Development
100 yr

Drainage Area = 4.16(Ac.) = 0.007 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.16(Ac.) =
0.007 Sq. Mi.
USER Entry of lag time in hours
Lag time = 0.191 Hr.
Lag time = 11.46 Min.
25% of lag time = 2.87 Min.
40% of lag time = 4.58 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.16	0.55	2.27

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.16	1.51	6.28

STORM EVENT (YEAR) = 100.00
 Area Averaged 2-Year Rainfall = 0.545(In)
 Area Averaged 100-Year Rainfall = 1.510(In)

Point rain (area averaged) = 1.510(In)
 Areal adjustment factor = 100.00 %
 Adjusted average point rain = 1.510(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
4.160	88.59	0.000

Total Area Entered = 4.16(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.)	(In/Hr)	(Dec.)	(In/Hr)
88.6	95.4	0.059	0.000	0.059	1.000	0.059

Sum (F) = 0.059

Area averaged mean soil loss (F) (In/Hr) = 0.059
 Minimum soil loss rate ((In/Hr)) = 0.030
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm = 0.4800

U n i t H y d r o g r a p h

VALLEY S-Curve

Unit Hydrograph Data

Unit time period	Time % of lag	Distribution	Unit Hydrograph
(hrs)		Graph %	(CFS)
1	0.083	43.630	4.970
2	0.167	87.260	20.805
3	0.250	130.890	28.271
4	0.333	174.520	15.662
5	0.417	218.150	7.643
6	0.500	261.780	5.115
7	0.583	305.410	3.816
8	0.667	349.040	2.851
9	0.750	392.670	2.284
10	0.833	436.300	1.739
11	0.917	479.930	1.383
12	1.000	523.560	1.262

13	1.083	567.190	0.983	0.041
14	1.167	610.820	0.812	0.034
15	1.250	654.450	0.659	0.028
16	1.333	698.080	0.507	0.021
17	1.417	741.710	0.436	0.018
18	1.500	785.340	0.436	0.018
19	1.583	828.970	0.365	0.015
Sum = 100.000			Sum=	4.193

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	4.40	0.797	0.059	(0.718)	0.738
2	0.17	4.50	0.815	0.059	(0.734)	0.756
3	0.25	5.40	0.978	0.059	(0.881)	0.919
4	0.33	5.40	0.978	0.059	(0.881)	0.919
5	0.42	5.70	1.033	0.059	(0.930)	0.973
6	0.50	6.40	1.160	0.059	(1.044)	1.100
7	0.58	7.90	1.431	0.059	(1.288)	1.372
8	0.67	9.10	1.649	0.059	(1.484)	1.590
9	0.75	12.80	2.319	0.059	(2.087)	2.260
10	0.83	25.60	4.639	0.059	(4.175)	4.579
11	0.92	7.90	1.431	0.059	(1.288)	1.372
12	1.00	4.90	0.888	0.059	(0.799)	0.829

(Loss Rate Not Used)

Sum = 100.0 Sum = 17.4

Flood volume = Effective rainfall 1.45(In)
times area 4.2(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)
Total soil loss = 0.06(In)
Total soil loss = 0.021(Ac.Ft)
Total rainfall = 1.51(In)
Flood volume = 21905.4 Cubic Feet
Total soil loss = 896.0 Cubic Feet

Peak flow rate of this hydrograph = 9.620(CFS)

+++++

1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0011	0.15	Q					

0+10	0.0066	0.80	V	Q					
0+15	0.0185	1.73	V	Q					
0+20	0.0348	2.38	V		Q				
0+25	0.0543	2.83		V		Q			
0+30	0.0762	3.17		V		Q			
0+35	0.1008	3.58			V		Q		
0+40	0.1296	4.17			V		Q		
0+45	0.1642	5.03				V		Q	
0+50	0.2100	6.66					V		Q
0+55	0.2729	9.13						V	
1+ 0	0.3392	9.62					V		Q
1+ 5	0.3878	7.06					Q	V	
1+10	0.4194	4.59					Q		
1+15	0.4395	2.92				Q			
1+20	0.4536	2.04							
1+25	0.4642	1.54			Q				
1+30	0.4726	1.22				Q			
1+35	0.4792	0.96		Q					
1+40	0.4845	0.77		Q					
1+45	0.4889	0.64			Q				
1+50	0.4924	0.51		Q					
1+55	0.4953	0.41	Q						
2+ 0	0.4975	0.33	Q						
2+ 5	0.4993	0.25	Q						
2+10	0.5007	0.20	Q						
2+15	0.5018	0.16	Q						
2+20	0.5025	0.11	Q						
2+25	0.5028	0.04	Q						
2+30	0.5029	0.01	Q						

Unit Hydrograph Analysis

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Study date 03/11/22 File: JanaPre3100.out

+++++

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Jana Commercial Development
Pre Development
100 yr

Drainage Area = 4.16(Ac.) = 0.007 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.16(Ac.) =
0.007 Sq. Mi.
USER Entry of lag time in hours
Lag time = 0.191 Hr.
Lag time = 11.46 Min.
25% of lag time = 2.87 Min.
40% of lag time = 4.58 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.16	0.97	4.04

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.16	2.48	10.32

STORM EVENT (YEAR) = 100.00
 Area Averaged 2-Year Rainfall = 0.972(In)
 Area Averaged 100-Year Rainfall = 2.480(In)

Point rain (area averaged) = 2.480(In)
 Areal adjustment factor = 100.00 %
 Adjusted average point rain = 2.480(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
4.160	88.59	0.000

Total Area Entered = 4.16(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
88.6	95.4	0.059	0.000	0.059	1.000	0.059

Sum (F) = 0.059

Area averaged mean soil loss (F) (In/Hr) = 0.059
 Minimum soil loss rate ((In/Hr)) = 0.030
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	43.630	4.970
2	0.167	87.260	20.805
3	0.250	130.890	28.271
4	0.333	174.520	15.662
5	0.417	218.150	7.643
6	0.500	261.780	5.115
7	0.583	305.410	3.816
8	0.667	349.040	2.851
9	0.750	392.670	2.284
10	0.833	436.300	1.739
11	0.917	479.930	1.383
12	1.000	523.560	1.262
13	1.083	567.190	0.983
14	1.167	610.820	0.812

15	1.250	654.450	0.659	0.028
16	1.333	698.080	0.507	0.021
17	1.417	741.710	0.436	0.018
18	1.500	785.340	0.436	0.018
19	1.583	828.970	0.365	0.015
Sum = 100.000			Sum=	4.193

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.387	0.059	(0.348)	0.328
2	0.17	1.30	0.387	0.059	(0.348)	0.328
3	0.25	1.10	0.327	0.059	(0.295)	0.268
4	0.33	1.50	0.446	0.059	(0.402)	0.387
5	0.42	1.50	0.446	0.059	(0.402)	0.387
6	0.50	1.80	0.536	0.059	(0.482)	0.476
7	0.58	1.50	0.446	0.059	(0.402)	0.387
8	0.67	1.80	0.536	0.059	(0.482)	0.476
9	0.75	1.80	0.536	0.059	(0.482)	0.476
10	0.83	1.50	0.446	0.059	(0.402)	0.387
11	0.92	1.60	0.476	0.059	(0.429)	0.417
12	1.00	1.80	0.536	0.059	(0.482)	0.476
13	1.08	2.20	0.655	0.059	(0.589)	0.595
14	1.17	2.20	0.655	0.059	(0.589)	0.595
15	1.25	2.20	0.655	0.059	(0.589)	0.595
16	1.33	2.00	0.595	0.059	(0.536)	0.536
17	1.42	2.60	0.774	0.059	(0.696)	0.714
18	1.50	2.70	0.804	0.059	(0.723)	0.744
19	1.58	2.40	0.714	0.059	(0.643)	0.655
20	1.67	2.70	0.804	0.059	(0.723)	0.744
21	1.75	3.30	0.982	0.059	(0.884)	0.923
22	1.83	3.10	0.923	0.059	(0.830)	0.863
23	1.92	2.90	0.863	0.059	(0.777)	0.804
24	2.00	3.00	0.893	0.059	(0.804)	0.833
25	2.08	3.10	0.923	0.059	(0.830)	0.863
26	2.17	4.20	1.250	0.059	(1.125)	1.191
27	2.25	5.00	1.488	0.059	(1.339)	1.429
28	2.33	3.50	1.042	0.059	(0.937)	0.982
29	2.42	6.80	2.024	0.059	(1.821)	1.964
30	2.50	7.30	2.172	0.059	(1.955)	2.113
31	2.58	8.20	2.440	0.059	(2.196)	2.381
32	2.67	5.90	1.756	0.059	(1.580)	1.696
33	2.75	2.00	0.595	0.059	(0.536)	0.536
34	2.83	1.80	0.536	0.059	(0.482)	0.476
35	2.92	1.80	0.536	0.059	(0.482)	0.476
36	3.00	0.60	0.179	0.059	(0.161)	0.119

2+30	0.4823	5.39				Q	V		
2+35	0.5279	6.61					Q		
2+40	0.5795	7.50						Q	
2+45	0.6303	7.38						Q	V
2+50	0.6715	5.97				Q			V
2+55	0.7016	4.37			Q				V
3+ 0	0.7253	3.44			Q				V
3+ 5	0.7439	2.70			Q				V
3+10	0.7571	1.92			Q				V
3+15	0.7665	1.36		Q					V
3+20	0.7735	1.03		Q					V
3+25	0.7791	0.81		Q					V
3+30	0.7835	0.65	Q						V
3+35	0.7871	0.52	Q						V
3+40	0.7900	0.42	Q						V
3+45	0.7923	0.33	Q						V
3+50	0.7940	0.26	Q						V
3+55	0.7954	0.21	Q						V
4+ 0	0.7965	0.15	Q						V
4+ 5	0.7972	0.10	Q						V
4+10	0.7976	0.06	Q						V
4+15	0.7978	0.03	Q						V
4+20	0.7979	0.02	Q						V
4+25	0.7980	0.01	Q						V
4+30	0.7980	0.00	Q						V

Unit Hydrograph Analysis

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Study date 03/11/22 File: JanaPre6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Jana Commercial Development
Pre Development
100 yr

Drainage Area = 4.16(Ac.) = 0.007 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.16(Ac.) =
0.007 Sq. Mi.
USER Entry of lag time in hours
Lag time = 0.191 Hr.
Lag time = 11.46 Min.
25% of lag time = 2.87 Min.
40% of lag time = 4.58 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.16	1.38	5.74

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.16	3.44	14.31

STORM EVENT (YEAR) = 100.00
 Area Averaged 2-Year Rainfall = 1.380(In)
 Area Averaged 100-Year Rainfall = 3.440(In)

Point rain (area averaged) = 3.440(In)
 Areal adjustment factor = 100.00 %
 Adjusted average point rain = 3.440(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
4.160	88.59	0.000

Total Area Entered = 4.16(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
88.6	95.4	0.059	0.000	0.059	1.000	0.059

Sum (F) = 0.059

Area averaged mean soil loss (F) (In/Hr) = 0.059
 Minimum soil loss rate ((In/Hr)) = 0.030
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	43.630	4.970
2	0.167	87.260	20.805
3	0.250	130.890	28.271
4	0.333	174.520	15.662
5	0.417	218.150	7.643
6	0.500	261.780	5.115
7	0.583	305.410	3.816
8	0.667	349.040	2.851
9	0.750	392.670	2.284
10	0.833	436.300	1.739
11	0.917	479.930	1.383
12	1.000	523.560	1.262
13	1.083	567.190	0.983
14	1.167	610.820	0.812

15	1.250	654.450	0.659	0.028
16	1.333	698.080	0.507	0.021
17	1.417	741.710	0.436	0.018
18	1.500	785.340	0.436	0.018
19	1.583	828.970	0.365	0.015
Sum = 100.000			Sum=	4.193

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.206	0.059	(0.186)	0.147
2	0.17	0.60	0.248	0.059	(0.223)	0.188
3	0.25	0.60	0.248	0.059	(0.223)	0.188
4	0.33	0.60	0.248	0.059	(0.223)	0.188
5	0.42	0.60	0.248	0.059	(0.223)	0.188
6	0.50	0.70	0.289	0.059	(0.260)	0.230
7	0.58	0.70	0.289	0.059	(0.260)	0.230
8	0.67	0.70	0.289	0.059	(0.260)	0.230
9	0.75	0.70	0.289	0.059	(0.260)	0.230
10	0.83	0.70	0.289	0.059	(0.260)	0.230
11	0.92	0.70	0.289	0.059	(0.260)	0.230
12	1.00	0.80	0.330	0.059	(0.297)	0.271
13	1.08	0.80	0.330	0.059	(0.297)	0.271
14	1.17	0.80	0.330	0.059	(0.297)	0.271
15	1.25	0.80	0.330	0.059	(0.297)	0.271
16	1.33	0.80	0.330	0.059	(0.297)	0.271
17	1.42	0.80	0.330	0.059	(0.297)	0.271
18	1.50	0.80	0.330	0.059	(0.297)	0.271
19	1.58	0.80	0.330	0.059	(0.297)	0.271
20	1.67	0.80	0.330	0.059	(0.297)	0.271
21	1.75	0.80	0.330	0.059	(0.297)	0.271
22	1.83	0.80	0.330	0.059	(0.297)	0.271
23	1.92	0.80	0.330	0.059	(0.297)	0.271
24	2.00	0.90	0.372	0.059	(0.334)	0.312
25	2.08	0.80	0.330	0.059	(0.297)	0.271
26	2.17	0.90	0.372	0.059	(0.334)	0.312
27	2.25	0.90	0.372	0.059	(0.334)	0.312
28	2.33	0.90	0.372	0.059	(0.334)	0.312
29	2.42	0.90	0.372	0.059	(0.334)	0.312
30	2.50	0.90	0.372	0.059	(0.334)	0.312
31	2.58	0.90	0.372	0.059	(0.334)	0.312
32	2.67	0.90	0.372	0.059	(0.334)	0.312
33	2.75	1.00	0.413	0.059	(0.372)	0.353
34	2.83	1.00	0.413	0.059	(0.372)	0.353
35	2.92	1.00	0.413	0.059	(0.372)	0.353
36	3.00	1.00	0.413	0.059	(0.372)	0.353

37	3.08	1.00	0.413	0.059	(0.372)	0.353
38	3.17	1.10	0.454	0.059	(0.409)	0.395
39	3.25	1.10	0.454	0.059	(0.409)	0.395
40	3.33	1.10	0.454	0.059	(0.409)	0.395
41	3.42	1.20	0.495	0.059	(0.446)	0.436
42	3.50	1.30	0.537	0.059	(0.483)	0.477
43	3.58	1.40	0.578	0.059	(0.520)	0.519
44	3.67	1.40	0.578	0.059	(0.520)	0.519
45	3.75	1.50	0.619	0.059	(0.557)	0.560
46	3.83	1.50	0.619	0.059	(0.557)	0.560
47	3.92	1.60	0.660	0.059	(0.594)	0.601
48	4.00	1.60	0.660	0.059	(0.594)	0.601
49	4.08	1.70	0.702	0.059	(0.632)	0.642
50	4.17	1.80	0.743	0.059	(0.669)	0.684
51	4.25	1.90	0.784	0.059	(0.706)	0.725
52	4.33	2.00	0.826	0.059	(0.743)	0.766
53	4.42	2.10	0.867	0.059	(0.780)	0.808
54	4.50	2.10	0.867	0.059	(0.780)	0.808
55	4.58	2.20	0.908	0.059	(0.817)	0.849
56	4.67	2.30	0.949	0.059	(0.854)	0.890
57	4.75	2.40	0.991	0.059	(0.892)	0.931
58	4.83	2.40	0.991	0.059	(0.892)	0.931
59	4.92	2.50	1.032	0.059	(0.929)	0.973
60	5.00	2.60	1.073	0.059	(0.966)	1.014
61	5.08	3.10	1.280	0.059	(1.152)	1.220
62	5.17	3.60	1.486	0.059	(1.337)	1.427
63	5.25	3.90	1.610	0.059	(1.449)	1.551
64	5.33	4.20	1.734	0.059	(1.560)	1.674
65	5.42	4.70	1.940	0.059	(1.746)	1.881
66	5.50	5.60	2.312	0.059	(2.080)	2.252
67	5.58	1.90	0.784	0.059	(0.706)	0.725
68	5.67	0.90	0.372	0.059	(0.334)	0.312
69	5.75	0.60	0.248	0.059	(0.223)	0.188
70	5.83	0.50	0.206	0.059	(0.186)	0.147
71	5.92	0.30	0.124	0.059	(0.111)	0.065
72	6.00	0.20	0.083	0.059	(0.074)	0.023

(Loss Rate Not Used)

Sum = 100.0

Sum = 37.0

Flood volume = Effective rainfall 3.08(In)
times area 4.2(Ac.)/[(In)/(Ft.)] = 1.1(Ac.Ft)
Total soil loss = 0.36(In)
Total soil loss = 0.123(Ac.Ft)
Total rainfall = 3.44(In)
Flood volume = 46570.2 Cubic Feet
Total soil loss = 5375.8 Cubic Feet

Peak flow rate of this hydrograph = 6.966(CFS)

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6 - H O U R S T O R M

Runoff Hydrograph

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.03	Q					
0+10	0.0014	0.17	Q					
0+15	0.0040	0.38	VQ					
0+20	0.0076	0.52	V Q					
0+25	0.0117	0.60	V Q					
0+30	0.0162	0.65	V Q					
0+35	0.0211	0.72	V Q					
0+40	0.0266	0.79	V Q					
0+45	0.0324	0.84	V Q					
0+50	0.0383	0.87	V Q					
0+55	0.0445	0.89	V Q					
1+ 0	0.0507	0.91	V Q					
1+ 5	0.0574	0.96	VQ					
1+10	0.0644	1.02	V Q					
1+15	0.0717	1.06	V Q					
1+20	0.0791	1.08	V Q					
1+25	0.0866	1.09	VQ					
1+30	0.0942	1.10	VQ					
1+35	0.1019	1.11	VQ					
1+40	0.1096	1.12	Q					
1+45	0.1173	1.12	Q					
1+50	0.1251	1.13	Q					
1+55	0.1328	1.13	Q					
2+ 0	0.1407	1.14	QV					
2+ 5	0.1487	1.17	QV					
2+10	0.1569	1.19	QV					
2+15	0.1652	1.21	Q V					
2+20	0.1738	1.24	Q V					
2+25	0.1825	1.27	QV					
2+30	0.1913	1.28	Q V					
2+35	0.2001	1.28	Q V					
2+40	0.2090	1.29	Q V					
2+45	0.2180	1.30	Q V					
2+50	0.2272	1.34	Q V					
2+55	0.2368	1.39	Q V					
3+ 0	0.2466	1.42	Q V					
3+ 5	0.2565	1.44	Q V					
3+10	0.2666	1.46	Q V					
3+15	0.2769	1.50	Q V					
3+20	0.2876	1.56	Q V					
3+25	0.2986	1.60	Q V					
3+30	0.3100	1.66	Q V					
3+35	0.3221	1.76	Q V					

3+40	0.3351	1.88		Q	V			
3+45	0.3488	1.99		Q	V			
3+50	0.3631	2.08		Q	V			
3+55	0.3781	2.17		Q	V			
4+ 0	0.3936	2.26		Q	V			
4+ 5	0.4097	2.35		Q	V			
4+10	0.4266	2.44		Q	V			
4+15	0.4442	2.57		Q	V			
4+20	0.4629	2.71		Q	V			
4+25	0.4826	2.86		Q	V			
4+30	0.5033	3.01		Q	V			
4+35	0.5249	3.13		Q	V			
4+40	0.5472	3.25		Q	V			
4+45	0.5705	3.39		Q	V			
4+50	0.5949	3.53		Q	V			
4+55	0.6200	3.65		Q	V			
5+ 0	0.6460	3.77		Q	V			
5+ 5	0.6731	3.94		Q	V			
5+10	0.7026	4.27		Q	V			
5+15	0.7356	4.79		Q	V			
5+20	0.7724	5.35		Q	V			
5+25	0.8129	5.88		Q	V			
5+30	0.8576	6.50		Q	V			
5+35	0.9056	6.97		Q	V			
5+40	0.9487	6.26		Q	V			
5+45	0.9796	4.48		Q	V			
5+50	1.0010	3.11		Q	V			
5+55	1.0170	2.32		Q	V			
6+ 0	1.0293	1.79		Q	V			
6+ 5	1.0386	1.35		Q	V			
6+10	1.0456	1.02		Q	V			
6+15	1.0510	0.78		Q	V			
6+20	1.0553	0.62		Q	V			
6+25	1.0587	0.50		Q	V			
6+30	1.0614	0.40		Q	V			
6+35	1.0636	0.31		Q	V			
6+40	1.0653	0.25	Q					
6+45	1.0666	0.19	Q					
6+50	1.0676	0.14	Q					
6+55	1.0683	0.10	Q					
7+ 0	1.0687	0.06	Q					
7+ 5	1.0689	0.03	Q					
7+10	1.0690	0.01	Q					
7+15	1.0691	0.01	Q					
7+20	1.0691	0.00	Q					
7+25	1.0691	0.00	Q					
7+30	1.0691	0.00	Q					

Unit Hydrograph Analysis

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Study date 03/11/22 File: JanaPre24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Jana Commercial Development
Pre Development
100 yr

Drainage Area = 4.16(Ac.) = 0.007 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.16(Ac.) =
0.007 Sq. Mi.
USER Entry of lag time in hours
Lag time = 0.191 Hr.
Lag time = 11.46 Min.
25% of lag time = 2.87 Min.
40% of lag time = 4.58 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.16	2.45	10.19

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.16	6.35	26.42

STORM EVENT (YEAR) = 100.00
 Area Averaged 2-Year Rainfall = 2.450(In)
 Area Averaged 100-Year Rainfall = 6.350(In)

Point rain (area averaged) = 6.350(In)
 Areal adjustment factor = 100.00 %
 Adjusted average point rain = 6.350(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
4.160	88.59	0.000

Total Area Entered = 4.16(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
88.6	95.4	0.059	0.000	0.059	1.000	0.059
Sum (F) =						0.059

Area averaged mean soil loss (F) (In/Hr) = 0.059
 Minimum soil loss rate ((In/Hr)) = 0.030
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	43.630	4.970
2	0.167	87.260	20.805
3	0.250	130.890	28.271
4	0.333	174.520	15.662
5	0.417	218.150	7.643
6	0.500	261.780	5.115
7	0.583	305.410	3.816
8	0.667	349.040	2.851
9	0.750	392.670	2.284
10	0.833	436.300	1.739
11	0.917	479.930	1.383
12	1.000	523.560	1.262
13	1.083	567.190	0.983
14	1.167	610.820	0.812

15	1.250	654.450	0.659	0.028
16	1.333	698.080	0.507	0.021
17	1.417	741.710	0.436	0.018
18	1.500	785.340	0.436	0.018
19	1.583	828.970	0.365	0.015
Sum = 100.000			Sum=	4.193

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.051	(0.105)	0.046	0.005
2	0.17	0.07	0.051	(0.105)	0.046	0.005
3	0.25	0.07	0.051	(0.104)	0.046	0.005
4	0.33	0.10	0.076	(0.104)	0.069	0.008
5	0.42	0.10	0.076	(0.104)	0.069	0.008
6	0.50	0.10	0.076	(0.103)	0.069	0.008
7	0.58	0.10	0.076	(0.103)	0.069	0.008
8	0.67	0.10	0.076	(0.102)	0.069	0.008
9	0.75	0.10	0.076	(0.102)	0.069	0.008
10	0.83	0.13	0.102	(0.102)	0.091	0.010
11	0.92	0.13	0.102	(0.101)	0.091	0.010
12	1.00	0.13	0.102	(0.101)	0.091	0.010
13	1.08	0.10	0.076	(0.100)	0.069	0.008
14	1.17	0.10	0.076	(0.100)	0.069	0.008
15	1.25	0.10	0.076	(0.100)	0.069	0.008
16	1.33	0.10	0.076	(0.099)	0.069	0.008
17	1.42	0.10	0.076	(0.099)	0.069	0.008
18	1.50	0.10	0.076	(0.098)	0.069	0.008
19	1.58	0.10	0.076	(0.098)	0.069	0.008
20	1.67	0.10	0.076	(0.098)	0.069	0.008
21	1.75	0.10	0.076	(0.097)	0.069	0.008
22	1.83	0.13	0.102	(0.097)	0.091	0.010
23	1.92	0.13	0.102	(0.096)	0.091	0.010
24	2.00	0.13	0.102	(0.096)	0.091	0.010
25	2.08	0.13	0.102	(0.096)	0.091	0.010
26	2.17	0.13	0.102	(0.095)	0.091	0.010
27	2.25	0.13	0.102	(0.095)	0.091	0.010
28	2.33	0.13	0.102	(0.094)	0.091	0.010
29	2.42	0.13	0.102	(0.094)	0.091	0.010
30	2.50	0.13	0.102	(0.094)	0.091	0.010
31	2.58	0.17	0.127	0.093	(0.114)	0.034
32	2.67	0.17	0.127	0.093	(0.114)	0.034
33	2.75	0.17	0.127	0.093	(0.114)	0.034
34	2.83	0.17	0.127	0.092	(0.114)	0.035
35	2.92	0.17	0.127	0.092	(0.114)	0.035
36	3.00	0.17	0.127	0.091	(0.114)	0.036

37	3.08	0.17	0.127	0.091	(0.114)	0.036
38	3.17	0.17	0.127	0.091	(0.114)	0.036
39	3.25	0.17	0.127	0.090	(0.114)	0.037
40	3.33	0.17	0.127	0.090	(0.114)	0.037
41	3.42	0.17	0.127	0.090	(0.114)	0.037
42	3.50	0.17	0.127	0.089	(0.114)	0.038
43	3.58	0.17	0.127	0.089	(0.114)	0.038
44	3.67	0.17	0.127	0.088	(0.114)	0.039
45	3.75	0.17	0.127	0.088	(0.114)	0.039
46	3.83	0.20	0.152	0.088	(0.137)	0.065
47	3.92	0.20	0.152	0.087	(0.137)	0.065
48	4.00	0.20	0.152	0.087	(0.137)	0.065
49	4.08	0.20	0.152	0.087	(0.137)	0.066
50	4.17	0.20	0.152	0.086	(0.137)	0.066
51	4.25	0.20	0.152	0.086	(0.137)	0.067
52	4.33	0.23	0.178	0.085	(0.160)	0.092
53	4.42	0.23	0.178	0.085	(0.160)	0.093
54	4.50	0.23	0.178	0.085	(0.160)	0.093
55	4.58	0.23	0.178	0.084	(0.160)	0.093
56	4.67	0.23	0.178	0.084	(0.160)	0.094
57	4.75	0.23	0.178	0.084	(0.160)	0.094
58	4.83	0.27	0.203	0.083	(0.183)	0.120
59	4.92	0.27	0.203	0.083	(0.183)	0.120
60	5.00	0.27	0.203	0.083	(0.183)	0.121
61	5.08	0.20	0.152	0.082	(0.137)	0.070
62	5.17	0.20	0.152	0.082	(0.137)	0.071
63	5.25	0.20	0.152	0.081	(0.137)	0.071
64	5.33	0.23	0.178	0.081	(0.160)	0.097
65	5.42	0.23	0.178	0.081	(0.160)	0.097
66	5.50	0.23	0.178	0.080	(0.160)	0.097
67	5.58	0.27	0.203	0.080	(0.183)	0.123
68	5.67	0.27	0.203	0.080	(0.183)	0.123
69	5.75	0.27	0.203	0.079	(0.183)	0.124
70	5.83	0.27	0.203	0.079	(0.183)	0.124
71	5.92	0.27	0.203	0.079	(0.183)	0.125
72	6.00	0.27	0.203	0.078	(0.183)	0.125
73	6.08	0.30	0.229	0.078	(0.206)	0.151
74	6.17	0.30	0.229	0.078	(0.206)	0.151
75	6.25	0.30	0.229	0.077	(0.206)	0.151
76	6.33	0.30	0.229	0.077	(0.206)	0.152
77	6.42	0.30	0.229	0.077	(0.206)	0.152
78	6.50	0.30	0.229	0.076	(0.206)	0.152
79	6.58	0.33	0.254	0.076	(0.229)	0.178
80	6.67	0.33	0.254	0.076	(0.229)	0.178
81	6.75	0.33	0.254	0.075	(0.229)	0.179
82	6.83	0.33	0.254	0.075	(0.229)	0.179
83	6.92	0.33	0.254	0.075	(0.229)	0.179
84	7.00	0.33	0.254	0.074	(0.229)	0.180
85	7.08	0.33	0.254	0.074	(0.229)	0.180
86	7.17	0.33	0.254	0.074	(0.229)	0.180

87	7.25	0.33	0.254	0.073	(0.229)	0.181
88	7.33	0.37	0.279	0.073	(0.251)	0.207
89	7.42	0.37	0.279	0.073	(0.251)	0.207
90	7.50	0.37	0.279	0.072	(0.251)	0.207
91	7.58	0.40	0.305	0.072	(0.274)	0.233
92	7.67	0.40	0.305	0.072	(0.274)	0.233
93	7.75	0.40	0.305	0.071	(0.274)	0.234
94	7.83	0.43	0.330	0.071	(0.297)	0.259
95	7.92	0.43	0.330	0.071	(0.297)	0.260
96	8.00	0.43	0.330	0.070	(0.297)	0.260
97	8.08	0.50	0.381	0.070	(0.343)	0.311
98	8.17	0.50	0.381	0.070	(0.343)	0.311
99	8.25	0.50	0.381	0.069	(0.343)	0.312
100	8.33	0.50	0.381	0.069	(0.343)	0.312
101	8.42	0.50	0.381	0.069	(0.343)	0.312
102	8.50	0.50	0.381	0.068	(0.343)	0.313
103	8.58	0.53	0.406	0.068	(0.366)	0.338
104	8.67	0.53	0.406	0.068	(0.366)	0.339
105	8.75	0.53	0.406	0.067	(0.366)	0.339
106	8.83	0.57	0.432	0.067	(0.389)	0.365
107	8.92	0.57	0.432	0.067	(0.389)	0.365
108	9.00	0.57	0.432	0.066	(0.389)	0.365
109	9.08	0.63	0.483	0.066	(0.434)	0.417
110	9.17	0.63	0.483	0.066	(0.434)	0.417
111	9.25	0.63	0.483	0.065	(0.434)	0.417
112	9.33	0.67	0.508	0.065	(0.457)	0.443
113	9.42	0.67	0.508	0.065	(0.457)	0.443
114	9.50	0.67	0.508	0.064	(0.457)	0.444
115	9.58	0.70	0.533	0.064	(0.480)	0.469
116	9.67	0.70	0.533	0.064	(0.480)	0.470
117	9.75	0.70	0.533	0.064	(0.480)	0.470
118	9.83	0.73	0.559	0.063	(0.503)	0.496
119	9.92	0.73	0.559	0.063	(0.503)	0.496
120	10.00	0.73	0.559	0.063	(0.503)	0.496
121	10.08	0.50	0.381	0.062	(0.343)	0.319
122	10.17	0.50	0.381	0.062	(0.343)	0.319
123	10.25	0.50	0.381	0.062	(0.343)	0.319
124	10.33	0.50	0.381	0.061	(0.343)	0.320
125	10.42	0.50	0.381	0.061	(0.343)	0.320
126	10.50	0.50	0.381	0.061	(0.343)	0.320
127	10.58	0.67	0.508	0.061	(0.457)	0.447
128	10.67	0.67	0.508	0.060	(0.457)	0.448
129	10.75	0.67	0.508	0.060	(0.457)	0.448
130	10.83	0.67	0.508	0.060	(0.457)	0.448
131	10.92	0.67	0.508	0.059	(0.457)	0.449
132	11.00	0.67	0.508	0.059	(0.457)	0.449
133	11.08	0.63	0.483	0.059	(0.434)	0.424
134	11.17	0.63	0.483	0.059	(0.434)	0.424
135	11.25	0.63	0.483	0.058	(0.434)	0.424
136	11.33	0.63	0.483	0.058	(0.434)	0.425

137	11.42	0.63	0.483	0.058	(0.434)	0.425
138	11.50	0.63	0.483	0.057	(0.434)	0.425
139	11.58	0.57	0.432	0.057	(0.389)	0.375
140	11.67	0.57	0.432	0.057	(0.389)	0.375
141	11.75	0.57	0.432	0.057	(0.389)	0.375
142	11.83	0.60	0.457	0.056	(0.411)	0.401
143	11.92	0.60	0.457	0.056	(0.411)	0.401
144	12.00	0.60	0.457	0.056	(0.411)	0.402
145	12.08	0.83	0.635	0.055	(0.571)	0.580
146	12.17	0.83	0.635	0.055	(0.571)	0.580
147	12.25	0.83	0.635	0.055	(0.571)	0.580
148	12.33	0.87	0.660	0.055	(0.594)	0.606
149	12.42	0.87	0.660	0.054	(0.594)	0.606
150	12.50	0.87	0.660	0.054	(0.594)	0.606
151	12.58	0.93	0.711	0.054	(0.640)	0.657
152	12.67	0.93	0.711	0.053	(0.640)	0.658
153	12.75	0.93	0.711	0.053	(0.640)	0.658
154	12.83	0.97	0.737	0.053	(0.663)	0.684
155	12.92	0.97	0.737	0.053	(0.663)	0.684
156	13.00	0.97	0.737	0.052	(0.663)	0.684
157	13.08	1.13	0.864	0.052	(0.777)	0.811
158	13.17	1.13	0.864	0.052	(0.777)	0.812
159	13.25	1.13	0.864	0.052	(0.777)	0.812
160	13.33	1.13	0.864	0.051	(0.777)	0.812
161	13.42	1.13	0.864	0.051	(0.777)	0.813
162	13.50	1.13	0.864	0.051	(0.777)	0.813
163	13.58	0.77	0.584	0.051	(0.526)	0.534
164	13.67	0.77	0.584	0.050	(0.526)	0.534
165	13.75	0.77	0.584	0.050	(0.526)	0.534
166	13.83	0.77	0.584	0.050	(0.526)	0.534
167	13.92	0.77	0.584	0.050	(0.526)	0.535
168	14.00	0.77	0.584	0.049	(0.526)	0.535
169	14.08	0.90	0.686	0.049	(0.617)	0.637
170	14.17	0.90	0.686	0.049	(0.617)	0.637
171	14.25	0.90	0.686	0.049	(0.617)	0.637
172	14.33	0.87	0.660	0.048	(0.594)	0.612
173	14.42	0.87	0.660	0.048	(0.594)	0.612
174	14.50	0.87	0.660	0.048	(0.594)	0.613
175	14.58	0.87	0.660	0.048	(0.594)	0.613
176	14.67	0.87	0.660	0.047	(0.594)	0.613
177	14.75	0.87	0.660	0.047	(0.594)	0.613
178	14.83	0.83	0.635	0.047	(0.571)	0.588
179	14.92	0.83	0.635	0.047	(0.571)	0.588
180	15.00	0.83	0.635	0.046	(0.571)	0.589
181	15.08	0.80	0.610	0.046	(0.549)	0.563
182	15.17	0.80	0.610	0.046	(0.549)	0.564
183	15.25	0.80	0.610	0.046	(0.549)	0.564
184	15.33	0.77	0.584	0.045	(0.526)	0.539
185	15.42	0.77	0.584	0.045	(0.526)	0.539
186	15.50	0.77	0.584	0.045	(0.526)	0.539

187	15.58	0.63	0.483	0.045	(0.434)	0.438
188	15.67	0.63	0.483	0.044	(0.434)	0.438
189	15.75	0.63	0.483	0.044	(0.434)	0.438
190	15.83	0.63	0.483	0.044	(0.434)	0.439
191	15.92	0.63	0.483	0.044	(0.434)	0.439
192	16.00	0.63	0.483	0.044	(0.434)	0.439
193	16.08	0.13	0.102	0.043	(0.091)	0.058
194	16.17	0.13	0.102	0.043	(0.091)	0.058
195	16.25	0.13	0.102	0.043	(0.091)	0.059
196	16.33	0.13	0.102	0.043	(0.091)	0.059
197	16.42	0.13	0.102	0.042	(0.091)	0.059
198	16.50	0.13	0.102	0.042	(0.091)	0.059
199	16.58	0.10	0.076	0.042	(0.069)	0.034
200	16.67	0.10	0.076	0.042	(0.069)	0.034
201	16.75	0.10	0.076	0.042	(0.069)	0.035
202	16.83	0.10	0.076	0.041	(0.069)	0.035
203	16.92	0.10	0.076	0.041	(0.069)	0.035
204	17.00	0.10	0.076	0.041	(0.069)	0.035
205	17.08	0.17	0.127	0.041	(0.114)	0.086
206	17.17	0.17	0.127	0.041	(0.114)	0.086
207	17.25	0.17	0.127	0.040	(0.114)	0.087
208	17.33	0.17	0.127	0.040	(0.114)	0.087
209	17.42	0.17	0.127	0.040	(0.114)	0.087
210	17.50	0.17	0.127	0.040	(0.114)	0.087
211	17.58	0.17	0.127	0.040	(0.114)	0.087
212	17.67	0.17	0.127	0.039	(0.114)	0.088
213	17.75	0.17	0.127	0.039	(0.114)	0.088
214	17.83	0.13	0.102	0.039	(0.091)	0.063
215	17.92	0.13	0.102	0.039	(0.091)	0.063
216	18.00	0.13	0.102	0.039	(0.091)	0.063
217	18.08	0.13	0.102	0.038	(0.091)	0.063
218	18.17	0.13	0.102	0.038	(0.091)	0.063
219	18.25	0.13	0.102	0.038	(0.091)	0.064
220	18.33	0.13	0.102	0.038	(0.091)	0.064
221	18.42	0.13	0.102	0.038	(0.091)	0.064
222	18.50	0.13	0.102	0.037	(0.091)	0.064
223	18.58	0.10	0.076	0.037	(0.069)	0.039
224	18.67	0.10	0.076	0.037	(0.069)	0.039
225	18.75	0.10	0.076	0.037	(0.069)	0.039
226	18.83	0.07	0.051	0.037	(0.046)	0.014
227	18.92	0.07	0.051	0.037	(0.046)	0.014
228	19.00	0.07	0.051	0.036	(0.046)	0.014
229	19.08	0.10	0.076	0.036	(0.069)	0.040
230	19.17	0.10	0.076	0.036	(0.069)	0.040
231	19.25	0.10	0.076	0.036	(0.069)	0.040
232	19.33	0.13	0.102	0.036	(0.091)	0.066
233	19.42	0.13	0.102	0.036	(0.091)	0.066
234	19.50	0.13	0.102	0.035	(0.091)	0.066
235	19.58	0.10	0.076	0.035	(0.069)	0.041
236	19.67	0.10	0.076	0.035	(0.069)	0.041

237	19.75	0.10	0.076	0.035	(0.069)	0.041
238	19.83	0.07	0.051	0.035	(0.046)	0.016
239	19.92	0.07	0.051	0.035	(0.046)	0.016
240	20.00	0.07	0.051	0.034	(0.046)	0.016
241	20.08	0.10	0.076	0.034	(0.069)	0.042
242	20.17	0.10	0.076	0.034	(0.069)	0.042
243	20.25	0.10	0.076	0.034	(0.069)	0.042
244	20.33	0.10	0.076	0.034	(0.069)	0.042
245	20.42	0.10	0.076	0.034	(0.069)	0.042
246	20.50	0.10	0.076	0.034	(0.069)	0.043
247	20.58	0.10	0.076	0.033	(0.069)	0.043
248	20.67	0.10	0.076	0.033	(0.069)	0.043
249	20.75	0.10	0.076	0.033	(0.069)	0.043
250	20.83	0.07	0.051	0.033	(0.046)	0.018
251	20.92	0.07	0.051	0.033	(0.046)	0.018
252	21.00	0.07	0.051	0.033	(0.046)	0.018
253	21.08	0.10	0.076	0.033	(0.069)	0.044
254	21.17	0.10	0.076	0.032	(0.069)	0.044
255	21.25	0.10	0.076	0.032	(0.069)	0.044
256	21.33	0.07	0.051	0.032	(0.046)	0.019
257	21.42	0.07	0.051	0.032	(0.046)	0.019
258	21.50	0.07	0.051	0.032	(0.046)	0.019
259	21.58	0.10	0.076	0.032	(0.069)	0.044
260	21.67	0.10	0.076	0.032	(0.069)	0.044
261	21.75	0.10	0.076	0.032	(0.069)	0.045
262	21.83	0.07	0.051	0.032	(0.046)	0.019
263	21.92	0.07	0.051	0.031	(0.046)	0.019
264	22.00	0.07	0.051	0.031	(0.046)	0.019
265	22.08	0.10	0.076	0.031	(0.069)	0.045
266	22.17	0.10	0.076	0.031	(0.069)	0.045
267	22.25	0.10	0.076	0.031	(0.069)	0.045
268	22.33	0.07	0.051	0.031	(0.046)	0.020
269	22.42	0.07	0.051	0.031	(0.046)	0.020
270	22.50	0.07	0.051	0.031	(0.046)	0.020
271	22.58	0.07	0.051	0.031	(0.046)	0.020
272	22.67	0.07	0.051	0.031	(0.046)	0.020
273	22.75	0.07	0.051	0.030	(0.046)	0.020
274	22.83	0.07	0.051	0.030	(0.046)	0.020
275	22.92	0.07	0.051	0.030	(0.046)	0.020
276	23.00	0.07	0.051	0.030	(0.046)	0.021
277	23.08	0.07	0.051	0.030	(0.046)	0.021
278	23.17	0.07	0.051	0.030	(0.046)	0.021
279	23.25	0.07	0.051	0.030	(0.046)	0.021
280	23.33	0.07	0.051	0.030	(0.046)	0.021
281	23.42	0.07	0.051	0.030	(0.046)	0.021
282	23.50	0.07	0.051	0.030	(0.046)	0.021
283	23.58	0.07	0.051	0.030	(0.046)	0.021
284	23.67	0.07	0.051	0.030	(0.046)	0.021
285	23.75	0.07	0.051	0.030	(0.046)	0.021
286	23.83	0.07	0.051	0.030	(0.046)	0.021

287	23.92	0.07	0.051	0.030	(0.046)	0.021
288	24.00	0.07	0.051	0.030	(0.046)	0.021

(Loss Rate Not Used)

Sum = 100.0 Sum = 59.8

Flood volume = Effective rainfall 4.99(In)
times area 4.2(Ac.)/[(In)/(Ft.)] = 1.7(Ac.Ft)

Total soil loss = 1.36(In)

Total soil loss = 0.473(Ac.Ft)

Total rainfall = 6.35(In)

Flood volume = 75280.7 Cubic Feet

Total soil loss = 20608.6 Cubic Feet

Peak flow rate of this hydrograph = 3.289(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q					
0+10	0.0000	0.01	Q					
0+15	0.0001	0.01	Q					
0+20	0.0002	0.02	Q					
0+25	0.0004	0.02	Q					
0+30	0.0005	0.02	Q					
0+35	0.0007	0.03	Q					
0+40	0.0009	0.03	Q					
0+45	0.0011	0.03	Q					
0+50	0.0013	0.03	Q					
0+55	0.0015	0.03	Q					
1+ 0	0.0018	0.04	Q					
1+ 5	0.0020	0.04	Q					
1+10	0.0023	0.04	Q					
1+15	0.0025	0.03	Q					
1+20	0.0027	0.03	Q					
1+25	0.0030	0.03	Q					
1+30	0.0032	0.03	Q					
1+35	0.0034	0.03	Q					
1+40	0.0036	0.03	Q					
1+45	0.0039	0.03	Q					
1+50	0.0041	0.03	Q					
1+55	0.0043	0.04	Q					
2+ 0	0.0046	0.04	Q					
2+ 5	0.0049	0.04	Q					
2+10	0.0051	0.04	Q					
2+15	0.0054	0.04	Q					

2+20	0.0057	0.04	Q				
2+25	0.0060	0.04	Q				
2+30	0.0063	0.04	Q				
2+35	0.0066	0.05	Q				
2+40	0.0071	0.07	Q				
2+45	0.0077	0.10	Q				
2+50	0.0085	0.11	Q				
2+55	0.0093	0.12	Q				
3+ 0	0.0102	0.13	Q				
3+ 5	0.0111	0.13	Q				
3+10	0.0121	0.14	Q				
3+15	0.0130	0.14	Q				
3+20	0.0140	0.14	Q				
3+25	0.0150	0.15	Q				
3+30	0.0161	0.15	Q				
3+35	0.0171	0.15	Q				
3+40	0.0182	0.15	Q				
3+45	0.0192	0.16	Q				
3+50	0.0204	0.16	Q				
3+55	0.0217	0.19	Q				
4+ 0	0.0232	0.22	Q				
4+ 5	0.0248	0.24	Q				
4+10	0.0265	0.25	Q				
4+15	0.0283	0.26	VQ				
4+20	0.0301	0.27	VQ				
4+25	0.0321	0.29	VQ				
4+30	0.0344	0.33	VQ				
4+35	0.0368	0.35	VQ				
4+40	0.0392	0.36	VQ				
4+45	0.0418	0.37	VQ				
4+50	0.0444	0.38	Q				
4+55	0.0472	0.41	Q				
5+ 0	0.0502	0.44	Q				
5+ 5	0.0533	0.45	Q				
5+10	0.0562	0.42	Q				
5+15	0.0587	0.37	Q				
5+20	0.0611	0.35	Q				
5+25	0.0636	0.36	Q				
5+30	0.0662	0.38	Q				
5+35	0.0689	0.40	Q				
5+40	0.0719	0.43	Q				
5+45	0.0750	0.46	Q				
5+50	0.0783	0.48	Q				
5+55	0.0817	0.49	Q				
6+ 0	0.0851	0.50	Q				
6+ 5	0.0886	0.51	Q				
6+10	0.0923	0.54	Q				
6+15	0.0963	0.57	Q				
6+20	0.1003	0.59	Q				
6+25	0.1045	0.60	Q				

6+30	0.1087	0.61	Q				
6+35	0.1130	0.62	Q				
6+40	0.1174	0.65	Q				
6+45	0.1222	0.68	Q				
6+50	0.1270	0.71	Q				
6+55	0.1319	0.72	QV				
7+ 0	0.1369	0.73	QV				
7+ 5	0.1420	0.73	QV				
7+10	0.1471	0.74	QV				
7+15	0.1522	0.74	QV				
7+20	0.1574	0.75	Q				
7+25	0.1627	0.78	Q				
7+30	0.1683	0.81	Q				
7+35	0.1741	0.84	QV				
7+40	0.1800	0.87	QV				
7+45	0.1863	0.91	QV				
7+50	0.1927	0.93	QV				
7+55	0.1994	0.97	QV				
8+ 0	0.2063	1.01	Q				
8+ 5	0.2135	1.04	Q				
8+10	0.2211	1.10	QV				
8+15	0.2292	1.17	QV				
8+20	0.2375	1.21	QV				
8+25	0.2461	1.24	QV				
8+30	0.2547	1.25	Q				
8+35	0.2635	1.27	QV				
8+40	0.2724	1.30	QV				
8+45	0.2817	1.34	QV				
8+50	0.2911	1.37	QV				
8+55	0.3008	1.41	QV				
9+ 0	0.3108	1.45	Q V				
9+ 5	0.3211	1.49	Q V				
9+10	0.3317	1.54	QV				
9+15	0.3428	1.62	QV				
9+20	0.3543	1.66	Q V				
9+25	0.3660	1.71	Q V				
9+30	0.3781	1.76	QV				
9+35	0.3905	1.79	Q V				
9+40	0.4031	1.83	Q V				
9+45	0.4160	1.87	Q V				
9+50	0.4291	1.91	Q V				
9+55	0.4425	1.95	Q V				
10+ 0	0.4562	1.99	Q V				
10+ 5	0.4698	1.98	Q V				
10+10	0.4825	1.84	Q	V			
10+15	0.4938	1.64	Q	V			
10+20	0.5044	1.53	Q	V			
10+25	0.5146	1.48	Q	V			
10+30	0.5246	1.45	Q	V			
10+35	0.5346	1.46	Q	V			

10+40	0.5453	1.55	Q	V			
10+45	0.5569	1.69	Q	V			
10+50	0.5690	1.76	Q	V			
10+55	0.5814	1.79	Q	V			
11+ 0	0.5939	1.81	Q	V			
11+ 5	0.6065	1.82	Q	V			
11+10	0.6189	1.81	Q	V			
11+15	0.6313	1.79	Q	V			
11+20	0.6436	1.78	Q	V			
11+25	0.6558	1.78	Q	V			
11+30	0.6681	1.78	Q	V			
11+35	0.6802	1.77	Q	V			
11+40	0.6921	1.73	Q	V			
11+45	0.7036	1.67	Q	V			
11+50	0.7149	1.64	Q	V			
11+55	0.7263	1.65	Q	V			
12+ 0	0.7378	1.67	Q	V			
12+ 5	0.7496	1.72	Q	V			
12+10	0.7625	1.88	Q	V			
12+15	0.7769	2.09	Q	V			
12+20	0.7922	2.21	Q	V			
12+25	0.8079	2.29	Q	V			
12+30	0.8242	2.36	Q	V			
12+35	0.8408	2.42	Q	V			
12+40	0.8580	2.49	Q	V			
12+45	0.8757	2.57	Q	V			
12+50	0.8938	2.63	Q	V			
12+55	0.9123	2.68	Q	V			
13+ 0	0.9312	2.74	Q	V			
13+ 5	0.9505	2.80	Q	V			
13+10	0.9707	2.93	Q	V			
13+15	0.9920	3.10	Q	V			
13+20	1.0141	3.20	Q	V			
13+25	1.0365	3.25	Q	V			
13+30	1.0591	3.29	Q	V			
13+35	1.0816	3.26	Q	V			
13+40	1.1025	3.04	Q	V			
13+45	1.1212	2.72	Q	V			
13+50	1.1388	2.55	Q	V			
13+55	1.1558	2.47	Q	V			
14+ 0	1.1725	2.42	Q	V			
14+ 5	1.1891	2.40	Q	V			
14+10	1.2060	2.47	Q	V			
14+15	1.2237	2.56	Q	V			
14+20	1.2417	2.61	Q	V			
14+25	1.2596	2.61	Q	V			
14+30	1.2774	2.59	Q	V			
14+35	1.2952	2.58	Q	V			
14+40	1.3129	2.57	Q	V			
14+45	1.3306	2.57	Q	V			

14+50	1.3483	2.56		Q		V
14+55	1.3658	2.54		Q		V
15+ 0	1.3831	2.51		Q		V
15+ 5	1.4002	2.49		Q		V
15+10	1.4172	2.46		Q		V
15+15	1.4339	2.43		Q		V
15+20	1.4504	2.40		Q		V
15+25	1.4668	2.37		Q		V
15+30	1.4829	2.34		Q		V
15+35	1.4987	2.29		Q		V
15+40	1.5138	2.19		Q		V
15+45	1.5280	2.06		Q		V
15+50	1.5417	1.99		Q		V
15+55	1.5551	1.95		Q		V
16+ 0	1.5684	1.93		Q		V
16+ 5	1.5810	1.83		Q		V
16+10	1.5912	1.48		Q		V
16+15	1.5983	1.02		Q		V
16+20	1.6035	0.76		Q		V
16+25	1.6079	0.63		Q		V
16+30	1.6116	0.55		Q		V
16+35	1.6149	0.48		Q		V
16+40	1.6177	0.40		Q		V
16+45	1.6200	0.34		Q		V
16+50	1.6220	0.29		Q		V
16+55	1.6238	0.26		Q		V
17+ 0	1.6254	0.23	Q			V
17+ 5	1.6269	0.22	Q			V
17+10	1.6287	0.25	Q			V
17+15	1.6307	0.30	Q			V
17+20	1.6330	0.32	Q			V
17+25	1.6352	0.33	Q			V
17+30	1.6376	0.34	Q			V
17+35	1.6399	0.34	Q			V
17+40	1.6423	0.34	Q			V
17+45	1.6447	0.35	Q			V
17+50	1.6471	0.35	Q			V
17+55	1.6493	0.33	Q			V
18+ 0	1.6514	0.30	Q			V
18+ 5	1.6534	0.29	Q			V
18+10	1.6553	0.28	Q			V
18+15	1.6572	0.28	Q			V
18+20	1.6591	0.28	Q			V
18+25	1.6610	0.28	Q			V
18+30	1.6629	0.27	Q			V
18+35	1.6648	0.27	Q			V
18+40	1.6665	0.25	Q			V
18+45	1.6680	0.22	Q			V
18+50	1.6693	0.19	Q			V
18+55	1.6704	0.16	Q			V

19+ 0	1.6713	0.13	Q				V
19+ 5	1.6721	0.11	Q				V
19+10	1.6729	0.12	Q				V
19+15	1.6739	0.15	Q				V
19+20	1.6750	0.16	Q				V
19+25	1.6763	0.19	Q				V
19+30	1.6779	0.22	Q				V
19+35	1.6795	0.23	Q				V
19+40	1.6810	0.22	Q				V
19+45	1.6824	0.20	Q				V
19+50	1.6836	0.18	Q				V
19+55	1.6847	0.15	Q				V
20+ 0	1.6855	0.12	Q				V
20+ 5	1.6863	0.11	Q				V
20+10	1.6871	0.12	Q				V
20+15	1.6881	0.15	Q				V
20+20	1.6893	0.16	Q				V
20+25	1.6904	0.17	Q				V
20+30	1.6916	0.17	Q				V
20+35	1.6927	0.17	Q				V
20+40	1.6939	0.17	Q				V
20+45	1.6952	0.18	Q				V
20+50	1.6963	0.17	Q				V
20+55	1.6974	0.15	Q				V
21+ 0	1.6982	0.12	Q				V
21+ 5	1.6989	0.11	Q				V
21+10	1.6998	0.12	Q				V
21+15	1.7008	0.15	Q				V
21+20	1.7019	0.16	Q				V
21+25	1.7029	0.14	Q				V
21+30	1.7037	0.12	Q				V
21+35	1.7045	0.11	Q				V
21+40	1.7053	0.12	Q				V
21+45	1.7063	0.15	Q				V
21+50	1.7074	0.16	Q				V
21+55	1.7084	0.14	Q				V
22+ 0	1.7092	0.12	Q				V
22+ 5	1.7100	0.11	Q				V
22+10	1.7108	0.13	Q				V
22+15	1.7119	0.15	Q				V
22+20	1.7130	0.16	Q				V
22+25	1.7140	0.14	Q				V
22+30	1.7148	0.12	Q				V
22+35	1.7155	0.11	Q				V
22+40	1.7162	0.10	Q				V
22+45	1.7169	0.10	Q				V
22+50	1.7175	0.09	Q				V
22+55	1.7182	0.09	Q				V
23+ 0	1.7188	0.09	Q				V
23+ 5	1.7194	0.09	Q				V

23+10	1.7200	0.09	Q				V
23+15	1.7206	0.09	Q				V
23+20	1.7213	0.09	Q				V
23+25	1.7219	0.09	Q				V
23+30	1.7225	0.09	Q				V
23+35	1.7231	0.09	Q				V
23+40	1.7237	0.09	Q				V
23+45	1.7243	0.09	Q				V
23+50	1.7249	0.09	Q				V
23+55	1.7255	0.09	Q				V
24+ 0	1.7261	0.09	Q				V
24+ 5	1.7267	0.08	Q				V
24+10	1.7271	0.07	Q				V
24+15	1.7274	0.04	Q				V
24+20	1.7276	0.03	Q				V
24+25	1.7277	0.02	Q				V
24+30	1.7278	0.02	Q				V
24+35	1.7279	0.01	Q				V
24+40	1.7280	0.01	Q				V
24+45	1.7280	0.01	Q				V
24+50	1.7281	0.01	Q				V
24+55	1.7281	0.00	Q				V
25+ 0	1.7281	0.00	Q				V
25+ 5	1.7282	0.00	Q				V
25+10	1.7282	0.00	Q				V
25+15	1.7282	0.00	Q				V
25+20	1.7282	0.00	Q				V
25+25	1.7282	0.00	Q				V
25+30	1.7282	0.00	Q				V

Unit Hydrograph Analysis

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Study date 03/11/22 File: JanaPost1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Jana Commercial Development
Post Development
100 YR

Drainage Area = 4.04(Ac.) = 0.006 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.04(Ac.) =
0.006 Sq. Mi.
USER Entry of lag time in hours
Lag time = 0.128 Hr.
Lag time = 7.68 Min.
25% of lag time = 1.92 Min.
40% of lag time = 3.07 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.04	0.55	2.22

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.04	1.51	6.10

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.510(In)

Point rain (area averaged) = 1.510(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.510(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
4.040	74.17	0.900

Total Area Entered = 4.04(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.)	(In/Hr)	(Dec.)	(In/Hr)
74.2	87.5	0.158	0.900	0.030	1.000	0.030

Sum (F) = 0.030

Area averaged mean soil loss (F) (In/Hr) = 0.030
Minimum soil loss rate ((In/Hr)) = 0.015
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.180

Slope of intensity-duration curve for a 1 hour storm =0.4800

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
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1	0.083	65.104	9.410	0.383
2	0.167	130.208	37.337	1.520
3	0.250	195.313	24.835	1.011
4	0.333	260.417	9.555	0.389
5	0.417	325.521	5.771	0.235
6	0.500	390.625	3.874	0.158
7	0.583	455.729	2.651	0.108
8	0.667	520.833	1.989	0.081
9	0.750	585.938	1.513	0.062
10	0.833	651.042	1.118	0.046
11	0.917	716.146	0.783	0.032

12	1.000	781.250	0.651	0.027
13	1.083	846.354	0.513	0.021
		Sum = 100.000	Sum=	4.072

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

(Loss Rate Not Used)

Flood volume = Effective rainfall 1.48(In)

Total soil loss = 0.03(In)

Total rainfall = 1.51(In)

Total soil loss = 441.6 Cubic Feet

Peak flow rate of this hydrograph = 11.304(CFS)

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Hydrograph in 5 Minute intervals ((CFS))

[illegible]

Unit Hydrograph Analysis

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Study date 03/11/22 File: JanaPost3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Jana Commercial Development
Post Development
100 YR

Drainage Area = 4.04(Ac.) = 0.006 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.04(Ac.) =
0.006 Sq. Mi.
USER Entry of lag time in hours
Lag time = 0.128 Hr.
Lag time = 7.68 Min.
25% of lag time = 1.92 Min.
40% of lag time = 3.07 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.04	0.97	3.92

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.04	2.48	10.02

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.970(In)
Area Averaged 100-Year Rainfall = 2.480(In)

Point rain (area averaged) = 2.480(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.480(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
4.040	74.17	0.900

Total Area Entered = 4.04(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
74.2	87.5	0.158	0.900	0.030	1.000	0.030

Sum (F) = 0.030

Area averaged mean soil loss (F) (In/Hr) = 0.030
Minimum soil loss rate ((In/Hr)) = 0.015
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.180

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	65.104	9.410
2	0.167	130.208	37.337
3	0.250	195.313	24.835
4	0.333	260.417	9.555
5	0.417	325.521	5.771
6	0.500	390.625	3.874
7	0.583	455.729	2.651
8	0.667	520.833	1.989
9	0.750	585.938	1.513
10	0.833	651.042	1.118
11	0.917	716.146	0.783
12	1.000	781.250	0.651
13	1.083	846.354	0.513

Sum = 100.000 Sum= 4.072

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.387	0.030	(0.070)	0.357
2	0.17	1.30	0.387	0.030	(0.070)	0.357
3	0.25	1.10	0.327	0.030	(0.059)	0.297
4	0.33	1.50	0.446	0.030	(0.080)	0.416
5	0.42	1.50	0.446	0.030	(0.080)	0.416
6	0.50	1.80	0.536	0.030	(0.096)	0.506
7	0.58	1.50	0.446	0.030	(0.080)	0.416
8	0.67	1.80	0.536	0.030	(0.096)	0.506
9	0.75	1.80	0.536	0.030	(0.096)	0.506
10	0.83	1.50	0.446	0.030	(0.080)	0.416
11	0.92	1.60	0.476	0.030	(0.086)	0.446
12	1.00	1.80	0.536	0.030	(0.096)	0.506
13	1.08	2.20	0.655	0.030	(0.118)	0.625
14	1.17	2.20	0.655	0.030	(0.118)	0.625
15	1.25	2.20	0.655	0.030	(0.118)	0.625
16	1.33	2.00	0.595	0.030	(0.107)	0.565
17	1.42	2.60	0.774	0.030	(0.139)	0.744
18	1.50	2.70	0.804	0.030	(0.145)	0.773
19	1.58	2.40	0.714	0.030	(0.129)	0.684
20	1.67	2.70	0.804	0.030	(0.145)	0.773
21	1.75	3.30	0.982	0.030	(0.177)	0.952
22	1.83	3.10	0.923	0.030	(0.166)	0.892
23	1.92	2.90	0.863	0.030	(0.155)	0.833
24	2.00	3.00	0.893	0.030	(0.161)	0.863
25	2.08	3.10	0.923	0.030	(0.166)	0.892
26	2.17	4.20	1.250	0.030	(0.225)	1.220
27	2.25	5.00	1.488	0.030	(0.268)	1.458
28	2.33	3.50	1.042	0.030	(0.187)	1.011
29	2.42	6.80	2.024	0.030	(0.364)	1.994
30	2.50	7.30	2.172	0.030	(0.391)	2.142
31	2.58	8.20	2.440	0.030	(0.439)	2.410
32	2.67	5.90	1.756	0.030	(0.316)	1.726
33	2.75	2.00	0.595	0.030	(0.107)	0.565
34	2.83	1.80	0.536	0.030	(0.096)	0.506
35	2.92	1.80	0.536	0.030	(0.096)	0.506
36	3.00	0.60	0.179	0.030	(0.032)	0.148

(Loss Rate Not Used)

Sum = 100.0 Sum = 28.7

Flood volume = Effective rainfall 2.39(In)

times area 4.0(Ac.)/[(In)/(Ft.)] = 0.8(Ac.Ft)

Total soil loss = 0.09(In)

Total soil loss = 0.030(Ac.Ft)
 Total rainfall = 2.48(In)
 Flood volume = 35044.3 Cubic Feet
 Total soil loss = 1324.7 Cubic Feet

 Peak flow rate of this hydrograph = 8.104(CFS)

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 3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0009	0.14	Q				
0+10	0.0056	0.68	V Q				
0+15	0.0126	1.02	V Q				
0+20	0.0203	1.11	V Q				
0+25	0.0293	1.32	V Q				
0+30	0.0397	1.50	V Q				
0+35	0.0513	1.68	V Q				
0+40	0.0630	1.71	V Q				
0+45	0.0756	1.83	V Q				
0+50	0.0887	1.89	V Q				
0+55	0.1012	1.81	V Q				
1+ 0	0.1137	1.82	V Q				
1+ 5	0.1273	1.98	VQ				
1+10	0.1426	2.22	VQ				
1+15	0.1589	2.36	V Q				
1+20	0.1755	2.40	VQ				
1+25	0.1921	2.42	Q				
1+30	0.2105	2.66	Q				
1+35	0.2301	2.85	Q				
1+40	0.2497	2.85	QV				
1+45	0.2704	3.01	QV				
1+50	0.2935	3.35	QV				
1+55	0.3174	3.46	Q V				
2+ 0	0.3409	3.41	Q V				
2+ 5	0.3646	3.45	Q V				
2+10	0.3898	3.65	Q V				
2+15	0.4193	4.28	Q V				
2+20	0.4525	4.83	Q V				
2+25	0.4864	4.91	Q V				
2+30	0.5290	6.19	Q V				
2+35	0.5803	7.45	Q V				
2+40	0.6361	8.10	Q V				
2+45	0.6854	7.16	Q V				
2+50	0.7197	4.97	Q V				

2+55	0.7446	3.62				Q				V	
3+ 0	0.7649	2.95				Q				V	
3+ 5	0.7789	2.04			Q					V	
3+10	0.7876	1.26		Q						V	
3+15	0.7933	0.82		Q						V	
3+20	0.7972	0.57		Q						V	
3+25	0.8000	0.41		Q						V	
3+30	0.8019	0.28		Q						V	
3+35	0.8032	0.18		Q						V	
3+40	0.8039	0.10		Q						V	
3+45	0.8042	0.05		Q						V	
3+50	0.8044	0.03		Q						V	
3+55	0.8045	0.01		Q						V	
4+ 0	0.8045	0.00		Q						V	

Unit Hydrograph Analysis

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Study date 03/11/22 File: JanaPost6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Jana Commercial Development
Post Development
100 YR

Drainage Area = 4.04(Ac.) = 0.006 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.04(Ac.) =
0.006 Sq. Mi.
USER Entry of lag time in hours
Lag time = 0.128 Hr.
Lag time = 7.68 Min.
25% of lag time = 1.92 Min.
40% of lag time = 3.07 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.04	1.38	5.58

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.04	3.44	13.90

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.380(In)
Area Averaged 100-Year Rainfall = 3.440(In)

Point rain (area averaged) = 3.440(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.440(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
4.040	74.17	0.900

Total Area Entered = 4.04(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
74.2	87.5	0.158	0.900	0.030	1.000	0.030

Sum (F) = 0.030

Area averaged mean soil loss (F) (In/Hr) = 0.030
Minimum soil loss rate ((In/Hr)) = 0.015
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.180

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	65.104	9.410
2	0.167	130.208	37.337
3	0.250	195.313	24.835
4	0.333	260.417	9.555
5	0.417	325.521	5.771
6	0.500	390.625	3.874
7	0.583	455.729	2.651
8	0.667	520.833	1.989
9	0.750	585.938	1.513
10	0.833	651.042	1.118
11	0.917	716.146	0.783
12	1.000	781.250	0.651
13	1.083	846.354	0.513

Sum = 100.000 Sum= 4.072

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.206	0.030	(0.037)	0.176
2	0.17	0.60	0.248	0.030	(0.045)	0.218
3	0.25	0.60	0.248	0.030	(0.045)	0.218
4	0.33	0.60	0.248	0.030	(0.045)	0.218
5	0.42	0.60	0.248	0.030	(0.045)	0.218
6	0.50	0.70	0.289	0.030	(0.052)	0.259
7	0.58	0.70	0.289	0.030	(0.052)	0.259
8	0.67	0.70	0.289	0.030	(0.052)	0.259
9	0.75	0.70	0.289	0.030	(0.052)	0.259
10	0.83	0.70	0.289	0.030	(0.052)	0.259
11	0.92	0.70	0.289	0.030	(0.052)	0.259
12	1.00	0.80	0.330	0.030	(0.059)	0.300
13	1.08	0.80	0.330	0.030	(0.059)	0.300
14	1.17	0.80	0.330	0.030	(0.059)	0.300
15	1.25	0.80	0.330	0.030	(0.059)	0.300
16	1.33	0.80	0.330	0.030	(0.059)	0.300
17	1.42	0.80	0.330	0.030	(0.059)	0.300
18	1.50	0.80	0.330	0.030	(0.059)	0.300
19	1.58	0.80	0.330	0.030	(0.059)	0.300
20	1.67	0.80	0.330	0.030	(0.059)	0.300
21	1.75	0.80	0.330	0.030	(0.059)	0.300
22	1.83	0.80	0.330	0.030	(0.059)	0.300
23	1.92	0.80	0.330	0.030	(0.059)	0.300
24	2.00	0.90	0.372	0.030	(0.067)	0.341
25	2.08	0.80	0.330	0.030	(0.059)	0.300
26	2.17	0.90	0.372	0.030	(0.067)	0.341
27	2.25	0.90	0.372	0.030	(0.067)	0.341
28	2.33	0.90	0.372	0.030	(0.067)	0.341
29	2.42	0.90	0.372	0.030	(0.067)	0.341
30	2.50	0.90	0.372	0.030	(0.067)	0.341
31	2.58	0.90	0.372	0.030	(0.067)	0.341
32	2.67	0.90	0.372	0.030	(0.067)	0.341
33	2.75	1.00	0.413	0.030	(0.074)	0.383
34	2.83	1.00	0.413	0.030	(0.074)	0.383
35	2.92	1.00	0.413	0.030	(0.074)	0.383
36	3.00	1.00	0.413	0.030	(0.074)	0.383
37	3.08	1.00	0.413	0.030	(0.074)	0.383
38	3.17	1.10	0.454	0.030	(0.082)	0.424
39	3.25	1.10	0.454	0.030	(0.082)	0.424
40	3.33	1.10	0.454	0.030	(0.082)	0.424
41	3.42	1.20	0.495	0.030	(0.089)	0.465

42	3.50	1.30	0.537	0.030	(0.097)	0.507
43	3.58	1.40	0.578	0.030	(0.104)	0.548
44	3.67	1.40	0.578	0.030	(0.104)	0.548
45	3.75	1.50	0.619	0.030	(0.111)	0.589
46	3.83	1.50	0.619	0.030	(0.111)	0.589
47	3.92	1.60	0.660	0.030	(0.119)	0.630
48	4.00	1.60	0.660	0.030	(0.119)	0.630
49	4.08	1.70	0.702	0.030	(0.126)	0.672
50	4.17	1.80	0.743	0.030	(0.134)	0.713
51	4.25	1.90	0.784	0.030	(0.141)	0.754
52	4.33	2.00	0.826	0.030	(0.149)	0.795
53	4.42	2.10	0.867	0.030	(0.156)	0.837
54	4.50	2.10	0.867	0.030	(0.156)	0.837
55	4.58	2.20	0.908	0.030	(0.163)	0.878
56	4.67	2.30	0.949	0.030	(0.171)	0.919
57	4.75	2.40	0.991	0.030	(0.178)	0.961
58	4.83	2.40	0.991	0.030	(0.178)	0.961
59	4.92	2.50	1.032	0.030	(0.186)	1.002
60	5.00	2.60	1.073	0.030	(0.193)	1.043
61	5.08	3.10	1.280	0.030	(0.230)	1.250
62	5.17	3.60	1.486	0.030	(0.267)	1.456
63	5.25	3.90	1.610	0.030	(0.290)	1.580
64	5.33	4.20	1.734	0.030	(0.312)	1.704
65	5.42	4.70	1.940	0.030	(0.349)	1.910
66	5.50	5.60	2.312	0.030	(0.416)	2.282
67	5.58	1.90	0.784	0.030	(0.141)	0.754
68	5.67	0.90	0.372	0.030	(0.067)	0.341
69	5.75	0.60	0.248	0.030	(0.045)	0.218
70	5.83	0.50	0.206	0.030	(0.037)	0.176
71	5.92	0.30	0.124	(0.030)	0.022	0.102
72	6.00	0.20	0.083	(0.030)	0.015	0.068

(Loss Rate Not Used)

Sum = 100.0

Sum = 39.1

Flood volume = Effective rainfall 3.26(In)
times area 4.0(Ac.)/[(In)/(Ft.)] = 1.1(Ac.Ft)
Total soil loss = 0.18(In)
Total soil loss = 0.060(Ac.Ft)
Total rainfall = 3.44(In)
Flood volume = 47826.3 Cubic Feet
Total soil loss = 2621.3 Cubic Feet

Peak flow rate of this hydrograph = 7.354(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume	Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0005	0.07	Q					
0+10	0.0029	0.35	VQ					
0+15	0.0070	0.59	V Q					
0+20	0.0118	0.70	V Q					
0+25	0.0170	0.76	V Q					
0+30	0.0227	0.81	V Q					
0+35	0.0289	0.90	V Q					
0+40	0.0355	0.96	V Q					
0+45	0.0423	0.99	V Q					
0+50	0.0493	1.01	V Q					
0+55	0.0564	1.03	V Q					
1+ 0	0.0636	1.05	V Q					
1+ 5	0.0714	1.12	V Q					
1+10	0.0794	1.17	V Q					
1+15	0.0876	1.19	VQ					
1+20	0.0959	1.20	VQ					
1+25	0.1042	1.21	VQ					
1+30	0.1125	1.21	Q					
1+35	0.1209	1.21	Q					
1+40	0.1293	1.22	Q					
1+45	0.1377	1.22	QV					
1+50	0.1461	1.22	QV					
1+55	0.1545	1.22	QV					
2+ 0	0.1630	1.24	QV					
2+ 5	0.1719	1.29	QV					
2+10	0.1807	1.28	QV					
2+15	0.1898	1.32	QV					
2+20	0.1991	1.35	Q V					
2+25	0.2085	1.37	Q V					
2+30	0.2180	1.37	Q V					
2+35	0.2274	1.38	Q V					
2+40	0.2370	1.38	Q V					
2+45	0.2466	1.40	Q V					
2+50	0.2567	1.47	Q V					
2+55	0.2671	1.51	Q V					
3+ 0	0.2776	1.53	Q V					
3+ 5	0.2882	1.54	Q V					
3+10	0.2989	1.56	Q V					
3+15	0.3101	1.63	Q V					
3+20	0.3216	1.67	Q V					
3+25	0.3334	1.71	Q V					
3+30	0.3458	1.80	Q V					
3+35	0.3590	1.92	Q V					
3+40	0.3731	2.05	Q V					
3+45	0.3879	2.14	Q V					
3+50	0.4033	2.24	Q V					
3+55	0.4192	2.32	Q V					
4+ 0	0.4358	2.41	Q V					

4+ 5	0.4530	2.49		Q	V				
4+10	0.4709	2.60		Q	V				
4+15	0.4897	2.74		Q	V				
4+20	0.5096	2.89		Q	V				
4+25	0.5306	3.05		Q	V				
4+30	0.5526	3.19		Q	V				
4+35	0.5752	3.29		Q	V				
4+40	0.5987	3.41		Q	V				
4+45	0.6232	3.56		Q	V				
4+50	0.6487	3.70		Q	V				
4+55	0.6749	3.80		Q	V				
5+ 0	0.7019	3.92		Q	V				
5+ 5	0.7303	4.13		Q	V				
5+10	0.7620	4.60		Q	V				
5+15	0.7979	5.21		Q	V				
5+20	0.8376	5.76		Q	V				
5+25	0.8810	6.30		Q	V				
5+30	0.9294	7.02		Q	V				
5+35	0.9800	7.35		Q	V				
5+40	1.0174	5.42		Q	V				
5+45	1.0412	3.46		Q	V				
5+50	1.0578	2.41		Q	V				
5+55	1.0702	1.79		Q	V				
6+ 0	1.0793	1.32		Q	V				
6+ 5	1.0859	0.96		Q	V				
6+10	1.0903	0.64		Q	V				
6+15	1.0932	0.42		Q	V				
6+20	1.0951	0.28		Q	V				
6+25	1.0964	0.19		Q	V				
6+30	1.0972	0.11		Q	V				
6+35	1.0976	0.05		Q	V				
6+40	1.0977	0.03		Q	V				
6+45	1.0978	0.02		Q	V				
6+50	1.0979	0.01		Q	V				
6+55	1.0979	0.00		Q	V				
7+ 0	1.0979	0.00		Q	V				

Unit Hydrograph Analysis

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Study date 03/11/22 File: JanaPost24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6481

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Jana Commercial Development
Post Development
100 YR

Drainage Area = 4.04(Ac.) = 0.006 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.04(Ac.) =
0.006 Sq. Mi.
USER Entry of lag time in hours
Lag time = 0.128 Hr.
Lag time = 7.68 Min.
25% of lag time = 1.92 Min.
40% of lag time = 3.07 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.04	2.45	9.90

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.04	6.35	25.65

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.450(In)
Area Averaged 100-Year Rainfall = 6.350(In)

Point rain (area averaged) = 6.350(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 6.350(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
4.040	74.17	0.900

Total Area Entered = 4.04(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
74.2	87.5	0.158	0.900	0.030	1.000	0.030

Sum (F) = 0.030

Area averaged mean soil loss (F) (In/Hr) = 0.030
Minimum soil loss rate ((In/Hr)) = 0.015
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.180

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	65.104	9.410
2	0.167	130.208	37.337
3	0.250	195.313	24.835
4	0.333	260.417	9.555
5	0.417	325.521	5.771
6	0.500	390.625	3.874
7	0.583	455.729	2.651
8	0.667	520.833	1.989
9	0.750	585.938	1.513
10	0.833	651.042	1.118
11	0.917	716.146	0.783
12	1.000	781.250	0.651
13	1.083	846.354	0.513

Sum = 100.000 Sum= 4.072

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.051	(0.053)	0.009	0.042
2	0.17	0.07	0.051	(0.053)	0.009	0.042
3	0.25	0.07	0.051	(0.053)	0.009	0.042
4	0.33	0.10	0.076	(0.053)	0.014	0.062
5	0.42	0.10	0.076	(0.053)	0.014	0.062
6	0.50	0.10	0.076	(0.052)	0.014	0.062
7	0.58	0.10	0.076	(0.052)	0.014	0.062
8	0.67	0.10	0.076	(0.052)	0.014	0.062
9	0.75	0.10	0.076	(0.052)	0.014	0.062
10	0.83	0.13	0.102	(0.052)	0.018	0.083
11	0.92	0.13	0.102	(0.051)	0.018	0.083
12	1.00	0.13	0.102	(0.051)	0.018	0.083
13	1.08	0.10	0.076	(0.051)	0.014	0.062
14	1.17	0.10	0.076	(0.051)	0.014	0.062
15	1.25	0.10	0.076	(0.051)	0.014	0.062
16	1.33	0.10	0.076	(0.050)	0.014	0.062
17	1.42	0.10	0.076	(0.050)	0.014	0.062
18	1.50	0.10	0.076	(0.050)	0.014	0.062
19	1.58	0.10	0.076	(0.050)	0.014	0.062
20	1.67	0.10	0.076	(0.050)	0.014	0.062
21	1.75	0.10	0.076	(0.049)	0.014	0.062
22	1.83	0.13	0.102	(0.049)	0.018	0.083
23	1.92	0.13	0.102	(0.049)	0.018	0.083
24	2.00	0.13	0.102	(0.049)	0.018	0.083
25	2.08	0.13	0.102	(0.049)	0.018	0.083
26	2.17	0.13	0.102	(0.048)	0.018	0.083
27	2.25	0.13	0.102	(0.048)	0.018	0.083
28	2.33	0.13	0.102	(0.048)	0.018	0.083
29	2.42	0.13	0.102	(0.048)	0.018	0.083
30	2.50	0.13	0.102	(0.048)	0.018	0.083
31	2.58	0.17	0.127	(0.047)	0.023	0.104
32	2.67	0.17	0.127	(0.047)	0.023	0.104
33	2.75	0.17	0.127	(0.047)	0.023	0.104
34	2.83	0.17	0.127	(0.047)	0.023	0.104
35	2.92	0.17	0.127	(0.047)	0.023	0.104
36	3.00	0.17	0.127	(0.046)	0.023	0.104
37	3.08	0.17	0.127	(0.046)	0.023	0.104
38	3.17	0.17	0.127	(0.046)	0.023	0.104
39	3.25	0.17	0.127	(0.046)	0.023	0.104
40	3.33	0.17	0.127	(0.046)	0.023	0.104
41	3.42	0.17	0.127	(0.045)	0.023	0.104

42	3.50	0.17	0.127	(0.045)	0.023	0.104
43	3.58	0.17	0.127	(0.045)	0.023	0.104
44	3.67	0.17	0.127	(0.045)	0.023	0.104
45	3.75	0.17	0.127	(0.045)	0.023	0.104
46	3.83	0.20	0.152	(0.044)	0.027	0.125
47	3.92	0.20	0.152	(0.044)	0.027	0.125
48	4.00	0.20	0.152	(0.044)	0.027	0.125
49	4.08	0.20	0.152	(0.044)	0.027	0.125
50	4.17	0.20	0.152	(0.044)	0.027	0.125
51	4.25	0.20	0.152	(0.044)	0.027	0.125
52	4.33	0.23	0.178	(0.043)	0.032	0.146
53	4.42	0.23	0.178	(0.043)	0.032	0.146
54	4.50	0.23	0.178	(0.043)	0.032	0.146
55	4.58	0.23	0.178	(0.043)	0.032	0.146
56	4.67	0.23	0.178	(0.043)	0.032	0.146
57	4.75	0.23	0.178	(0.042)	0.032	0.146
58	4.83	0.27	0.203	(0.042)	0.037	0.167
59	4.92	0.27	0.203	(0.042)	0.037	0.167
60	5.00	0.27	0.203	(0.042)	0.037	0.167
61	5.08	0.20	0.152	(0.042)	0.027	0.125
62	5.17	0.20	0.152	(0.042)	0.027	0.125
63	5.25	0.20	0.152	(0.041)	0.027	0.125
64	5.33	0.23	0.178	(0.041)	0.032	0.146
65	5.42	0.23	0.178	(0.041)	0.032	0.146
66	5.50	0.23	0.178	(0.041)	0.032	0.146
67	5.58	0.27	0.203	(0.041)	0.037	0.167
68	5.67	0.27	0.203	(0.040)	0.037	0.167
69	5.75	0.27	0.203	(0.040)	0.037	0.167
70	5.83	0.27	0.203	(0.040)	0.037	0.167
71	5.92	0.27	0.203	(0.040)	0.037	0.167
72	6.00	0.27	0.203	(0.040)	0.037	0.167
73	6.08	0.30	0.229	0.040 (0.041)		0.189
74	6.17	0.30	0.229	0.039 (0.041)		0.189
75	6.25	0.30	0.229	0.039 (0.041)		0.189
76	6.33	0.30	0.229	0.039 (0.041)		0.190
77	6.42	0.30	0.229	0.039 (0.041)		0.190
78	6.50	0.30	0.229	0.039 (0.041)		0.190
79	6.58	0.33	0.254	0.039 (0.046)		0.215
80	6.67	0.33	0.254	0.038 (0.046)		0.216
81	6.75	0.33	0.254	0.038 (0.046)		0.216
82	6.83	0.33	0.254	0.038 (0.046)		0.216
83	6.92	0.33	0.254	0.038 (0.046)		0.216
84	7.00	0.33	0.254	0.038 (0.046)		0.216
85	7.08	0.33	0.254	0.037 (0.046)		0.217
86	7.17	0.33	0.254	0.037 (0.046)		0.217
87	7.25	0.33	0.254	0.037 (0.046)		0.217
88	7.33	0.37	0.279	0.037 (0.050)		0.242
89	7.42	0.37	0.279	0.037 (0.050)		0.243
90	7.50	0.37	0.279	0.037 (0.050)		0.243
91	7.58	0.40	0.305	0.036 (0.055)		0.268

92	7.67	0.40	0.305	0.036	(0.055)	0.268
93	7.75	0.40	0.305	0.036	(0.055)	0.269
94	7.83	0.43	0.330	0.036	(0.059)	0.294
95	7.92	0.43	0.330	0.036	(0.059)	0.294
96	8.00	0.43	0.330	0.036	(0.059)	0.295
97	8.08	0.50	0.381	0.035	(0.069)	0.346
98	8.17	0.50	0.381	0.035	(0.069)	0.346
99	8.25	0.50	0.381	0.035	(0.069)	0.346
100	8.33	0.50	0.381	0.035	(0.069)	0.346
101	8.42	0.50	0.381	0.035	(0.069)	0.346
102	8.50	0.50	0.381	0.035	(0.069)	0.346
103	8.58	0.53	0.406	0.034	(0.073)	0.372
104	8.67	0.53	0.406	0.034	(0.073)	0.372
105	8.75	0.53	0.406	0.034	(0.073)	0.372
106	8.83	0.57	0.432	0.034	(0.078)	0.398
107	8.92	0.57	0.432	0.034	(0.078)	0.398
108	9.00	0.57	0.432	0.034	(0.078)	0.398
109	9.08	0.63	0.483	0.034	(0.087)	0.449
110	9.17	0.63	0.483	0.033	(0.087)	0.449
111	9.25	0.63	0.483	0.033	(0.087)	0.449
112	9.33	0.67	0.508	0.033	(0.091)	0.475
113	9.42	0.67	0.508	0.033	(0.091)	0.475
114	9.50	0.67	0.508	0.033	(0.091)	0.475
115	9.58	0.70	0.533	0.033	(0.096)	0.501
116	9.67	0.70	0.533	0.032	(0.096)	0.501
117	9.75	0.70	0.533	0.032	(0.096)	0.501
118	9.83	0.73	0.559	0.032	(0.101)	0.527
119	9.92	0.73	0.559	0.032	(0.101)	0.527
120	10.00	0.73	0.559	0.032	(0.101)	0.527
121	10.08	0.50	0.381	0.032	(0.069)	0.349
122	10.17	0.50	0.381	0.031	(0.069)	0.350
123	10.25	0.50	0.381	0.031	(0.069)	0.350
124	10.33	0.50	0.381	0.031	(0.069)	0.350
125	10.42	0.50	0.381	0.031	(0.069)	0.350
126	10.50	0.50	0.381	0.031	(0.069)	0.350
127	10.58	0.67	0.508	0.031	(0.091)	0.477
128	10.67	0.67	0.508	0.031	(0.091)	0.477
129	10.75	0.67	0.508	0.030	(0.091)	0.478
130	10.83	0.67	0.508	0.030	(0.091)	0.478
131	10.92	0.67	0.508	0.030	(0.091)	0.478
132	11.00	0.67	0.508	0.030	(0.091)	0.478
133	11.08	0.63	0.483	0.030	(0.087)	0.453
134	11.17	0.63	0.483	0.030	(0.087)	0.453
135	11.25	0.63	0.483	0.030	(0.087)	0.453
136	11.33	0.63	0.483	0.029	(0.087)	0.453
137	11.42	0.63	0.483	0.029	(0.087)	0.453
138	11.50	0.63	0.483	0.029	(0.087)	0.453
139	11.58	0.57	0.432	0.029	(0.078)	0.403
140	11.67	0.57	0.432	0.029	(0.078)	0.403
141	11.75	0.57	0.432	0.029	(0.078)	0.403

142	11.83	0.60	0.457	0.029	(0.082)	0.429
143	11.92	0.60	0.457	0.028	(0.082)	0.429
144	12.00	0.60	0.457	0.028	(0.082)	0.429
145	12.08	0.83	0.635	0.028	(0.114)	0.607
146	12.17	0.83	0.635	0.028	(0.114)	0.607
147	12.25	0.83	0.635	0.028	(0.114)	0.607
148	12.33	0.87	0.660	0.028	(0.119)	0.633
149	12.42	0.87	0.660	0.028	(0.119)	0.633
150	12.50	0.87	0.660	0.027	(0.119)	0.633
151	12.58	0.93	0.711	0.027	(0.128)	0.684
152	12.67	0.93	0.711	0.027	(0.128)	0.684
153	12.75	0.93	0.711	0.027	(0.128)	0.684
154	12.83	0.97	0.737	0.027	(0.133)	0.710
155	12.92	0.97	0.737	0.027	(0.133)	0.710
156	13.00	0.97	0.737	0.027	(0.133)	0.710
157	13.08	1.13	0.864	0.026	(0.155)	0.837
158	13.17	1.13	0.864	0.026	(0.155)	0.837
159	13.25	1.13	0.864	0.026	(0.155)	0.837
160	13.33	1.13	0.864	0.026	(0.155)	0.838
161	13.42	1.13	0.864	0.026	(0.155)	0.838
162	13.50	1.13	0.864	0.026	(0.155)	0.838
163	13.58	0.77	0.584	0.026	(0.105)	0.559
164	13.67	0.77	0.584	0.026	(0.105)	0.559
165	13.75	0.77	0.584	0.025	(0.105)	0.559
166	13.83	0.77	0.584	0.025	(0.105)	0.559
167	13.92	0.77	0.584	0.025	(0.105)	0.559
168	14.00	0.77	0.584	0.025	(0.105)	0.559
169	14.08	0.90	0.686	0.025	(0.123)	0.661
170	14.17	0.90	0.686	0.025	(0.123)	0.661
171	14.25	0.90	0.686	0.025	(0.123)	0.661
172	14.33	0.87	0.660	0.025	(0.119)	0.636
173	14.42	0.87	0.660	0.024	(0.119)	0.636
174	14.50	0.87	0.660	0.024	(0.119)	0.636
175	14.58	0.87	0.660	0.024	(0.119)	0.636
176	14.67	0.87	0.660	0.024	(0.119)	0.636
177	14.75	0.87	0.660	0.024	(0.119)	0.637
178	14.83	0.83	0.635	0.024	(0.114)	0.611
179	14.92	0.83	0.635	0.024	(0.114)	0.611
180	15.00	0.83	0.635	0.024	(0.114)	0.611
181	15.08	0.80	0.610	0.023	(0.110)	0.586
182	15.17	0.80	0.610	0.023	(0.110)	0.586
183	15.25	0.80	0.610	0.023	(0.110)	0.586
184	15.33	0.77	0.584	0.023	(0.105)	0.561
185	15.42	0.77	0.584	0.023	(0.105)	0.561
186	15.50	0.77	0.584	0.023	(0.105)	0.561
187	15.58	0.63	0.483	0.023	(0.087)	0.460
188	15.67	0.63	0.483	0.023	(0.087)	0.460
189	15.75	0.63	0.483	0.022	(0.087)	0.460
190	15.83	0.63	0.483	0.022	(0.087)	0.460
191	15.92	0.63	0.483	0.022	(0.087)	0.460

192	16.00	0.63	0.483	0.022	(0.087)	0.460
193	16.08	0.13	0.102	(0.022)	0.018	0.083
194	16.17	0.13	0.102	(0.022)	0.018	0.083
195	16.25	0.13	0.102	(0.022)	0.018	0.083
196	16.33	0.13	0.102	(0.022)	0.018	0.083
197	16.42	0.13	0.102	(0.022)	0.018	0.083
198	16.50	0.13	0.102	(0.021)	0.018	0.083
199	16.58	0.10	0.076	(0.021)	0.014	0.062
200	16.67	0.10	0.076	(0.021)	0.014	0.062
201	16.75	0.10	0.076	(0.021)	0.014	0.062
202	16.83	0.10	0.076	(0.021)	0.014	0.062
203	16.92	0.10	0.076	(0.021)	0.014	0.062
204	17.00	0.10	0.076	(0.021)	0.014	0.062
205	17.08	0.17	0.127	0.021	(0.023)	0.106
206	17.17	0.17	0.127	0.021	(0.023)	0.106
207	17.25	0.17	0.127	0.020	(0.023)	0.107
208	17.33	0.17	0.127	0.020	(0.023)	0.107
209	17.42	0.17	0.127	0.020	(0.023)	0.107
210	17.50	0.17	0.127	0.020	(0.023)	0.107
211	17.58	0.17	0.127	0.020	(0.023)	0.107
212	17.67	0.17	0.127	0.020	(0.023)	0.107
213	17.75	0.17	0.127	0.020	(0.023)	0.107
214	17.83	0.13	0.102	(0.020)	0.018	0.083
215	17.92	0.13	0.102	(0.020)	0.018	0.083
216	18.00	0.13	0.102	(0.020)	0.018	0.083
217	18.08	0.13	0.102	(0.019)	0.018	0.083
218	18.17	0.13	0.102	(0.019)	0.018	0.083
219	18.25	0.13	0.102	(0.019)	0.018	0.083
220	18.33	0.13	0.102	(0.019)	0.018	0.083
221	18.42	0.13	0.102	(0.019)	0.018	0.083
222	18.50	0.13	0.102	(0.019)	0.018	0.083
223	18.58	0.10	0.076	(0.019)	0.014	0.062
224	18.67	0.10	0.076	(0.019)	0.014	0.062
225	18.75	0.10	0.076	(0.019)	0.014	0.062
226	18.83	0.07	0.051	(0.019)	0.009	0.042
227	18.92	0.07	0.051	(0.019)	0.009	0.042
228	19.00	0.07	0.051	(0.018)	0.009	0.042
229	19.08	0.10	0.076	(0.018)	0.014	0.062
230	19.17	0.10	0.076	(0.018)	0.014	0.062
231	19.25	0.10	0.076	(0.018)	0.014	0.062
232	19.33	0.13	0.102	0.018	(0.018)	0.083
233	19.42	0.13	0.102	0.018	(0.018)	0.084
234	19.50	0.13	0.102	0.018	(0.018)	0.084
235	19.58	0.10	0.076	(0.018)	0.014	0.062
236	19.67	0.10	0.076	(0.018)	0.014	0.062
237	19.75	0.10	0.076	(0.018)	0.014	0.062
238	19.83	0.07	0.051	(0.018)	0.009	0.042
239	19.92	0.07	0.051	(0.018)	0.009	0.042
240	20.00	0.07	0.051	(0.017)	0.009	0.042
241	20.08	0.10	0.076	(0.017)	0.014	0.062

242	20.17	0.10	0.076	(0.017)	0.014	0.062
243	20.25	0.10	0.076	(0.017)	0.014	0.062
244	20.33	0.10	0.076	(0.017)	0.014	0.062
245	20.42	0.10	0.076	(0.017)	0.014	0.062
246	20.50	0.10	0.076	(0.017)	0.014	0.062
247	20.58	0.10	0.076	(0.017)	0.014	0.062
248	20.67	0.10	0.076	(0.017)	0.014	0.062
249	20.75	0.10	0.076	(0.017)	0.014	0.062
250	20.83	0.07	0.051	(0.017)	0.009	0.042
251	20.92	0.07	0.051	(0.017)	0.009	0.042
252	21.00	0.07	0.051	(0.017)	0.009	0.042
253	21.08	0.10	0.076	(0.017)	0.014	0.062
254	21.17	0.10	0.076	(0.016)	0.014	0.062
255	21.25	0.10	0.076	(0.016)	0.014	0.062
256	21.33	0.07	0.051	(0.016)	0.009	0.042
257	21.42	0.07	0.051	(0.016)	0.009	0.042
258	21.50	0.07	0.051	(0.016)	0.009	0.042
259	21.58	0.10	0.076	(0.016)	0.014	0.062
260	21.67	0.10	0.076	(0.016)	0.014	0.062
261	21.75	0.10	0.076	(0.016)	0.014	0.062
262	21.83	0.07	0.051	(0.016)	0.009	0.042
263	21.92	0.07	0.051	(0.016)	0.009	0.042
264	22.00	0.07	0.051	(0.016)	0.009	0.042
265	22.08	0.10	0.076	(0.016)	0.014	0.062
266	22.17	0.10	0.076	(0.016)	0.014	0.062
267	22.25	0.10	0.076	(0.016)	0.014	0.062
268	22.33	0.07	0.051	(0.016)	0.009	0.042
269	22.42	0.07	0.051	(0.016)	0.009	0.042
270	22.50	0.07	0.051	(0.016)	0.009	0.042
271	22.58	0.07	0.051	(0.016)	0.009	0.042
272	22.67	0.07	0.051	(0.016)	0.009	0.042
273	22.75	0.07	0.051	(0.015)	0.009	0.042
274	22.83	0.07	0.051	(0.015)	0.009	0.042
275	22.92	0.07	0.051	(0.015)	0.009	0.042
276	23.00	0.07	0.051	(0.015)	0.009	0.042
277	23.08	0.07	0.051	(0.015)	0.009	0.042
278	23.17	0.07	0.051	(0.015)	0.009	0.042
279	23.25	0.07	0.051	(0.015)	0.009	0.042
280	23.33	0.07	0.051	(0.015)	0.009	0.042
281	23.42	0.07	0.051	(0.015)	0.009	0.042
282	23.50	0.07	0.051	(0.015)	0.009	0.042
283	23.58	0.07	0.051	(0.015)	0.009	0.042
284	23.67	0.07	0.051	(0.015)	0.009	0.042
285	23.75	0.07	0.051	(0.015)	0.009	0.042
286	23.83	0.07	0.051	(0.015)	0.009	0.042
287	23.92	0.07	0.051	(0.015)	0.009	0.042
288	24.00	0.07	0.051	(0.015)	0.009	0.042

(Loss Rate Not Used)

Sum = 100.0

Sum = 69.6

Flood volume = Effective rainfall 5.80(In)

times area $4.0(\text{Ac.})/[(\text{In})/(\text{Ft.})] = 2.0(\text{Ac.Ft})$
 Total soil loss = $0.55(\text{In})$
 Total soil loss = $0.185(\text{Ac.Ft})$
 Total rainfall = $6.35(\text{In})$
 Flood volume = 85082.5 Cubic Feet
 Total soil loss = 8040.8 Cubic Feet

 Peak flow rate of this hydrograph = $3.360(\text{CFS})$

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0007	0.08	Q				
0+15	0.0015	0.12	Q				
0+20	0.0025	0.15	Q				
0+25	0.0038	0.19	Q				
0+30	0.0053	0.21	Q				
0+35	0.0068	0.23	Q				
0+40	0.0085	0.24	Q				
0+45	0.0101	0.24	Q				
0+50	0.0119	0.25	VQ				
0+55	0.0138	0.29	VQ				
1+ 0	0.0160	0.31	VQ				
1+ 5	0.0182	0.31	VQ				
1+10	0.0201	0.29	VQ				
1+15	0.0220	0.27	VQ				
1+20	0.0238	0.26	VQ				
1+25	0.0256	0.26	VQ				
1+30	0.0274	0.26	VQ				
1+35	0.0292	0.26	VQ				
1+40	0.0310	0.26	VQ				
1+45	0.0327	0.26	VQ				
1+50	0.0346	0.26	VQ				
1+55	0.0366	0.30	VQ				
2+ 0	0.0388	0.32	VQ				
2+ 5	0.0410	0.32	VQ				
2+10	0.0433	0.33	VQ				
2+15	0.0455	0.33	VQ				
2+20	0.0478	0.33	VQ				
2+25	0.0501	0.34	Q				
2+30	0.0525	0.34	Q				
2+35	0.0548	0.35	Q				
2+40	0.0574	0.38	Q				

2+45	0.0602	0.40	Q				
2+50	0.0630	0.41	Q				
2+55	0.0659	0.41	Q				
3+ 0	0.0687	0.42	Q				
3+ 5	0.0716	0.42	Q				
3+10	0.0745	0.42	Q				
3+15	0.0774	0.42	Q				
3+20	0.0803	0.42	Q				
3+25	0.0832	0.42	Q				
3+30	0.0862	0.42	Q				
3+35	0.0891	0.42	Q				
3+40	0.0920	0.42	Q				
3+45	0.0949	0.42	Q				
3+50	0.0979	0.43	QV				
3+55	0.1011	0.46	QV				
4+ 0	0.1044	0.48	QV				
4+ 5	0.1078	0.49	QV				
4+10	0.1113	0.50	QV				
4+15	0.1147	0.50	Q				
4+20	0.1182	0.51	Q				
4+25	0.1220	0.54	Q				
4+30	0.1259	0.57	Q				
4+35	0.1299	0.58	Q				
4+40	0.1339	0.58	Q				
4+45	0.1379	0.59	Q				
4+50	0.1420	0.60	Q				
4+55	0.1463	0.63	Q				
5+ 0	0.1508	0.65	QV				
5+ 5	0.1553	0.65	QV				
5+10	0.1593	0.59	QV				
5+15	0.1631	0.55	QV				
5+20	0.1668	0.54	QV				
5+25	0.1707	0.57	QV				
5+30	0.1748	0.58	QV				
5+35	0.1789	0.60	QV				
5+40	0.1832	0.63	QV				
5+45	0.1877	0.65	QV				
5+50	0.1922	0.66	QV				
5+55	0.1968	0.67	Q V				
6+ 0	0.2014	0.67	Q V				
6+ 5	0.2061	0.68	Q V				
6+10	0.2110	0.72	Q V				
6+15	0.2162	0.74	Q V				
6+20	0.2213	0.75	QV				
6+25	0.2266	0.76	QV				
6+30	0.2318	0.76	QV				
6+35	0.2372	0.78	QV				
6+40	0.2428	0.82	QV				
6+45	0.2486	0.85	Q V				
6+50	0.2545	0.86	Q V				

6+55	0.2605	0.86	Q V				
7+ 0	0.2665	0.87	Q V				
7+ 5	0.2725	0.87	Q V				
7+10	0.2785	0.88	Q V				
7+15	0.2846	0.88	Q V				
7+20	0.2907	0.89	Q V				
7+25	0.2971	0.93	Q V				
7+30	0.3037	0.96	Q V				
7+35	0.3104	0.98	Q V				
7+40	0.3175	1.02	Q V				
7+45	0.3247	1.05	Q V				
7+50	0.3322	1.08	Q V				
7+55	0.3399	1.12	Q V				
8+ 0	0.3479	1.16	Q V				
8+ 5	0.3561	1.19	Q V				
8+10	0.3649	1.28	Q V				
8+15	0.3741	1.34	Q V				
8+20	0.3834	1.36	Q V				
8+25	0.3929	1.38	Q V				
8+30	0.4024	1.39	Q V				
8+35	0.4121	1.40	Q V				
8+40	0.4221	1.45	Q V				
8+45	0.4323	1.48	Q V				
8+50	0.4426	1.50	Q V				
8+55	0.4533	1.55	Q V				
9+ 0	0.4642	1.58	Q V				
9+ 5	0.4753	1.61	Q V				
9+10	0.4870	1.70	Q V				
9+15	0.4991	1.76	Q V				
9+20	0.5114	1.79	Q V				
9+25	0.5241	1.85	Q V				
9+30	0.5371	1.88	Q V				
9+35	0.5503	1.91	Q V				
9+40	0.5638	1.96	Q V				
9+45	0.5775	1.99	Q V				
9+50	0.5914	2.02	Q V				
9+55	0.6057	2.07	Q V				
10+ 0	0.6201	2.10	Q V				
10+ 5	0.6342	2.05	Q V				
10+10	0.6466	1.79	Q V				
10+15	0.6577	1.62	Q V				
10+20	0.6684	1.55	Q V				
10+25	0.6788	1.51	Q V				
10+30	0.6890	1.49	Q V				
10+35	0.6995	1.52	Q V				
10+40	0.7112	1.70	Q V				
10+45	0.7237	1.82	Q V				
10+50	0.7366	1.86	Q V				
10+55	0.7495	1.89	Q V				
11+ 0	0.7626	1.90	Q V				

11+ 5	0.7758	1.90	Q	V			
11+10	0.7887	1.88	Q	V			
11+15	0.8015	1.86	Q	V			
11+20	0.8142	1.85	Q	V			
11+25	0.8270	1.85	Q	V			
11+30	0.8398	1.85	Q	V			
11+35	0.8524	1.83	Q	V			
11+40	0.8645	1.76	Q	V			
11+45	0.8762	1.70	Q	V			
11+50	0.8879	1.69	Q	V			
11+55	0.8997	1.72	Q	V			
12+ 0	0.9116	1.74	Q	V			
12+ 5	0.9241	1.81	Q	V			
12+10	0.9384	2.08	Q	V			
12+15	0.9540	2.26	Q	V			
12+20	0.9702	2.34	Q	V			
12+25	0.9869	2.42	Q	V			
12+30	1.0039	2.48	Q	V			
12+35	1.0213	2.53	Q	V			
12+40	1.0394	2.63	Q	V			
12+45	1.0580	2.69	Q	V			
12+50	1.0768	2.74	Q	V			
12+55	1.0961	2.80	Q	V			
13+ 0	1.1156	2.84	Q	V			
13+ 5	1.1356	2.91	Q	V			
13+10	1.1570	3.11	Q	V			
13+15	1.1794	3.25	Q	V			
13+20	1.2021	3.30	Q	V			
13+25	1.2251	3.34	Q	V			
13+30	1.2483	3.36	Q	V			
13+35	1.2708	3.27	Q	V			
13+40	1.2904	2.86	Q	V			
13+45	1.3082	2.58	Q	V			
13+50	1.3253	2.48	Q	V			
13+55	1.3420	2.42	Q	V			
14+ 0	1.3584	2.38	Q	V			
14+ 5	1.3748	2.39	Q	V			
14+10	1.3922	2.52	Q	V			
14+15	1.4102	2.61	Q	V			
14+20	1.4283	2.63	Q	V			
14+25	1.4462	2.60	Q	V			
14+30	1.4640	2.59	Q	V			
14+35	1.4818	2.58	Q	V			
14+40	1.4996	2.59	Q	V			
14+45	1.5174	2.59	Q	V			
14+50	1.5352	2.58	Q	V			
14+55	1.5527	2.54	Q	V			
15+ 0	1.5701	2.52	Q	V			
15+ 5	1.5873	2.50	Q	V			
15+10	1.6043	2.46	Q	V			

15+15	1.6210	2.43		Q			V
15+20	1.6375	2.40		Q			V
15+25	1.6538	2.36		Q			V
15+30	1.6698	2.33		Q			V
15+35	1.6855	2.28		Q			V
15+40	1.7000	2.11		Q			V
15+45	1.7138	2.00		Q			V
15+50	1.7273	1.96		Q			V
15+55	1.7407	1.93		Q			V
16+ 0	1.7539	1.92		Q			V
16+ 5	1.7660	1.76		Q			V
16+10	1.7741	1.18		Q			V
16+15	1.7795	0.79		Q			V
16+20	1.7839	0.64		Q			V
16+25	1.7877	0.55		Q			V
16+30	1.7910	0.48		Q			V
16+35	1.7940	0.43		Q			V
16+40	1.7965	0.37		Q			V
16+45	1.7988	0.33		Q			V
16+50	1.8008	0.30		Q			V
16+55	1.8028	0.28		Q			V
17+ 0	1.8046	0.27		Q			V
17+ 5	1.8066	0.28		Q			V
17+10	1.8089	0.34		Q			V
17+15	1.8116	0.39		Q			V
17+20	1.8143	0.40		Q			V
17+25	1.8172	0.41		Q			V
17+30	1.8200	0.42		Q			V
17+35	1.8230	0.42		Q			V
17+40	1.8259	0.43		Q			V
17+45	1.8289	0.43		Q			V
17+50	1.8318	0.42		Q			V
17+55	1.8344	0.39		Q			V
18+ 0	1.8370	0.37		Q			V
18+ 5	1.8394	0.36		Q			V
18+10	1.8419	0.35		Q			V
18+15	1.8443	0.35		Q			V
18+20	1.8466	0.35		Q			V
18+25	1.8490	0.34		Q			V
18+30	1.8514	0.34		Q			V
18+35	1.8537	0.33		Q			V
18+40	1.8557	0.30		Q			V
18+45	1.8576	0.28		Q			V
18+50	1.8595	0.26		Q			V
18+55	1.8610	0.23	Q				V
19+ 0	1.8624	0.20	Q				V
19+ 5	1.8638	0.20	Q				V
19+10	1.8653	0.22	Q				V
19+15	1.8670	0.24	Q				V
19+20	1.8687	0.25	Q				V

19+25	1.8707	0.29	Q				V
19+30	1.8729	0.31	Q				V
19+35	1.8750	0.31	Q				V
19+40	1.8770	0.29	Q				V
19+45	1.8788	0.27	Q				V
19+50	1.8806	0.26	Q				V
19+55	1.8821	0.22	Q				V
20+ 0	1.8835	0.20	Q				V
20+ 5	1.8848	0.20	Q				V
20+10	1.8864	0.22	Q				V
20+15	1.8880	0.24	Q				V
20+20	1.8897	0.25	Q				V
20+25	1.8914	0.25	Q				V
20+30	1.8932	0.25	Q				V
20+35	1.8949	0.25	Q				V
20+40	1.8966	0.25	Q				V
20+45	1.8984	0.25	Q				V
20+50	1.9000	0.24	Q				V
20+55	1.9015	0.21	Q				V
21+ 0	1.9028	0.19	Q				V
21+ 5	1.9042	0.19	Q				V
21+10	1.9057	0.22	Q				V
21+15	1.9073	0.24	Q				V
21+20	1.9090	0.24	Q				V
21+25	1.9104	0.21	Q				V
21+30	1.9117	0.19	Q				V
21+35	1.9130	0.19	Q				V
21+40	1.9145	0.22	Q				V
21+45	1.9161	0.24	Q				V
21+50	1.9177	0.23	Q				V
21+55	1.9192	0.21	Q				V
22+ 0	1.9205	0.19	Q				V
22+ 5	1.9218	0.19	Q				V
22+10	1.9233	0.22	Q				V
22+15	1.9249	0.24	Q				V
22+20	1.9265	0.23	Q				V
22+25	1.9279	0.21	Q				V
22+30	1.9292	0.19	Q				V
22+35	1.9305	0.18	Q				V
22+40	1.9317	0.18	Q				V
22+45	1.9329	0.18	Q				V
22+50	1.9341	0.17	Q				V
22+55	1.9353	0.17	Q				V
23+ 0	1.9365	0.17	Q				V
23+ 5	1.9377	0.17	Q				V
23+10	1.9388	0.17	Q				V
23+15	1.9400	0.17	Q				V
23+20	1.9412	0.17	Q				V
23+25	1.9423	0.17	Q				V
23+30	1.9435	0.17	Q				V

23+35	1.9447	0.17	Q				V
23+40	1.9458	0.17	Q				V
23+45	1.9470	0.17	Q				V
23+50	1.9482	0.17	Q				V
23+55	1.9494	0.17	Q				V
24+ 0	1.9505	0.17	Q				V
24+ 5	1.9516	0.15	Q				V
24+10	1.9522	0.09	Q				V
24+15	1.9525	0.05	Q				V
24+20	1.9528	0.03	Q				V
24+25	1.9529	0.02	Q				V
24+30	1.9530	0.02	Q				V
24+35	1.9531	0.01	Q				V
24+40	1.9531	0.01	Q				V
24+45	1.9532	0.01	Q				V
24+50	1.9532	0.00	Q				V
24+55	1.9532	0.00	Q				V
25+ 0	1.9532	0.00	Q				V

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 03/14/22

Jana Commercial Development
Post Development
100 yr 1 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: janapost1100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 24
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 11.304 (CFS)
Total volume = 0.498 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 24
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.137	0.118	0.137	0.137
2.000	0.274	0.170	0.273	0.275
4.000	0.548	0.244	0.547	0.549
6.000	0.823	2.414	0.815	0.831
8.000	1.097	4.459	1.082	1.112

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)				
				.0	2.8	5.65	8.48	11.30
0.083	0.29	0.00	0.001	O				
0.167	1.47	0.01	0.007	O I				
0.250	2.33	0.02	0.020	O I				
0.333	2.90	0.03	0.038	O I				
0.417	3.27	0.05	0.059	O I				
0.500	3.59	0.07	0.082	O I				
0.583	4.07	0.09	0.108	O I				
0.667	4.80	0.12	0.138	O I				
0.750	5.80	0.13	0.173	O I				
0.833	8.12	0.15	0.220	O I			I	
0.917	11.30	0.17	0.286	O I				I
1.000	8.97	0.19	0.355	O I			I	
1.083	5.72	0.21	0.404	O I		I		
1.167	3.33	0.21	0.434	O I	I			
1.250	1.98	0.22	0.450	O I				
1.333	1.35	0.22	0.460	O I				
1.417	0.97	0.22	0.467	O I				
1.500	0.71	0.22	0.471	O I				
1.583	0.51	0.22	0.474	O I				
1.667	0.36	0.22	0.475	O I				
1.750	0.25	0.22	0.476	O				
1.833	0.16	0.22	0.476	O				
1.917	0.05	0.22	0.475	O				
2.000	0.02	0.22	0.474	O				
2.083	0.00	0.22	0.472	O				
2.167	0.00	0.22	0.471	O				
2.250	0.00	0.22	0.469	O				
2.333	0.00	0.22	0.467	O				
2.417	0.00	0.22	0.466	O				
2.500	0.00	0.22	0.464	O				

2.583	0.00	0.22	0.463	0					3.38
2.667	0.00	0.22	0.461	0					3.37
2.750	0.00	0.22	0.460	0					3.36
2.833	0.00	0.22	0.458	0					3.35
2.917	0.00	0.22	0.457	0					3.33
3.000	0.00	0.22	0.455	0					3.32
3.083	0.00	0.22	0.454	0					3.31
3.167	0.00	0.22	0.452	0					3.30
3.250	0.00	0.22	0.451	0					3.29
3.333	0.00	0.22	0.449	0					3.28
3.417	0.00	0.22	0.448	0					3.27
3.500	0.00	0.22	0.446	0					3.26
3.583	0.00	0.22	0.445	0					3.25
3.667	0.00	0.22	0.443	0					3.24
3.750	0.00	0.22	0.442	0					3.23
3.833	0.00	0.21	0.440	0					3.21
3.917	0.00	0.21	0.439	0					3.20
4.000	0.00	0.21	0.437	0					3.19
4.083	0.00	0.21	0.436	0					3.18
4.167	0.00	0.21	0.434	0					3.17
4.250	0.00	0.21	0.433	0					3.16
4.333	0.00	0.21	0.432	0					3.15
4.417	0.00	0.21	0.430	0					3.14
4.500	0.00	0.21	0.429	0					3.13
4.583	0.00	0.21	0.427	0					3.12
4.667	0.00	0.21	0.426	0					3.11
4.750	0.00	0.21	0.424	0					3.10
4.833	0.00	0.21	0.423	0					3.09
4.917	0.00	0.21	0.421	0					3.08
5.000	0.00	0.21	0.420	0					3.07
5.083	0.00	0.21	0.418	0					3.05
5.167	0.00	0.21	0.417	0					3.04
5.250	0.00	0.21	0.416	0					3.03
5.333	0.00	0.21	0.414	0					3.02
5.417	0.00	0.21	0.413	0					3.01
5.500	0.00	0.21	0.411	0					3.00
5.583	0.00	0.21	0.410	0					2.99
5.667	0.00	0.21	0.408	0					2.98
5.750	0.00	0.21	0.407	0					2.97
5.833	0.00	0.21	0.406	0					2.96
5.917	0.00	0.21	0.404	0					2.95
6.000	0.00	0.20	0.403	0					2.94
6.083	0.00	0.20	0.401	0					2.93
6.167	0.00	0.20	0.400	0					2.92
6.250	0.00	0.20	0.399	0					2.91
6.333	0.00	0.20	0.397	0					2.90
6.417	0.00	0.20	0.396	0					2.89
6.500	0.00	0.20	0.394	0					2.88
6.583	0.00	0.20	0.393	0					2.87
6.667	0.00	0.20	0.392	0					2.86

6.750	0.00	0.20	0.390	0					2.85
6.833	0.00	0.20	0.389	0					2.84
6.917	0.00	0.20	0.387	0					2.83
7.000	0.00	0.20	0.386	0					2.82
7.083	0.00	0.20	0.385	0					2.81
7.167	0.00	0.20	0.383	0					2.80
7.250	0.00	0.20	0.382	0					2.79
7.333	0.00	0.20	0.381	0					2.78
7.417	0.00	0.20	0.379	0					2.77
7.500	0.00	0.20	0.378	0					2.76
7.583	0.00	0.20	0.376	0					2.75
7.667	0.00	0.20	0.375	0					2.74
7.750	0.00	0.20	0.374	0					2.73
7.833	0.00	0.20	0.372	0					2.72
7.917	0.00	0.20	0.371	0					2.71
8.000	0.00	0.20	0.370	0					2.70
8.083	0.00	0.20	0.368	0					2.69
8.167	0.00	0.20	0.367	0					2.68
8.250	0.00	0.19	0.366	0					2.67
8.333	0.00	0.19	0.364	0					2.66
8.417	0.00	0.19	0.363	0					2.65
8.500	0.00	0.19	0.362	0					2.64
8.583	0.00	0.19	0.360	0					2.63
8.667	0.00	0.19	0.359	0					2.62
8.750	0.00	0.19	0.358	0					2.61
8.833	0.00	0.19	0.356	0					2.60
8.917	0.00	0.19	0.355	0					2.59
9.000	0.00	0.19	0.354	0					2.58
9.083	0.00	0.19	0.352	0					2.57
9.167	0.00	0.19	0.351	0					2.56
9.250	0.00	0.19	0.350	0					2.55
9.333	0.00	0.19	0.348	0					2.54
9.417	0.00	0.19	0.347	0					2.53
9.500	0.00	0.19	0.346	0					2.52
9.583	0.00	0.19	0.345	0					2.51
9.667	0.00	0.19	0.343	0					2.51
9.750	0.00	0.19	0.342	0					2.50
9.833	0.00	0.19	0.341	0					2.49
9.917	0.00	0.19	0.339	0					2.48
10.000	0.00	0.19	0.338	0					2.47
10.083	0.00	0.19	0.337	0					2.46
10.167	0.00	0.19	0.335	0					2.45
10.250	0.00	0.19	0.334	0					2.44
10.333	0.00	0.19	0.333	0					2.43
10.417	0.00	0.19	0.332	0					2.42
10.500	0.00	0.19	0.330	0					2.41
10.583	0.00	0.18	0.329	0					2.40
10.667	0.00	0.18	0.328	0					2.39
10.750	0.00	0.18	0.327	0					2.38
10.833	0.00	0.18	0.325	0					2.37

10.917	0.00	0.18	0.324	0					2.36
11.000	0.00	0.18	0.323	0					2.36
11.083	0.00	0.18	0.321	0					2.35
11.167	0.00	0.18	0.320	0					2.34
11.250	0.00	0.18	0.319	0					2.33
11.333	0.00	0.18	0.318	0					2.32
11.417	0.00	0.18	0.316	0					2.31
11.500	0.00	0.18	0.315	0					2.30
11.583	0.00	0.18	0.314	0					2.29
11.667	0.00	0.18	0.313	0					2.28
11.750	0.00	0.18	0.311	0					2.27
11.833	0.00	0.18	0.310	0					2.26
11.917	0.00	0.18	0.309	0					2.26
12.000	0.00	0.18	0.308	0					2.25
12.083	0.00	0.18	0.307	0					2.24
12.167	0.00	0.18	0.305	0					2.23
12.250	0.00	0.18	0.304	0					2.22
12.333	0.00	0.18	0.303	0					2.21
12.417	0.00	0.18	0.302	0					2.20
12.500	0.00	0.18	0.300	0					2.19
12.583	0.00	0.18	0.299	0					2.18
12.667	0.00	0.18	0.298	0					2.17
12.750	0.00	0.18	0.297	0					2.17
12.833	0.00	0.18	0.296	0					2.16
12.917	0.00	0.18	0.294	0					2.15
13.000	0.00	0.18	0.293	0					2.14
13.083	0.00	0.17	0.292	0					2.13
13.167	0.00	0.17	0.291	0					2.12
13.250	0.00	0.17	0.290	0					2.11
13.333	0.00	0.17	0.288	0					2.10
13.417	0.00	0.17	0.287	0					2.10
13.500	0.00	0.17	0.286	0					2.09
13.583	0.00	0.17	0.285	0					2.08
13.667	0.00	0.17	0.284	0					2.07
13.750	0.00	0.17	0.282	0					2.06
13.833	0.00	0.17	0.281	0					2.05
13.917	0.00	0.17	0.280	0					2.04
14.000	0.00	0.17	0.279	0					2.04
14.083	0.00	0.17	0.278	0					2.03
14.167	0.00	0.17	0.276	0					2.02
14.250	0.00	0.17	0.275	0					2.01
14.333	0.00	0.17	0.274	0					2.00
14.417	0.00	0.17	0.273	0					1.99
14.500	0.00	0.17	0.272	0					1.98
14.583	0.00	0.17	0.271	0					1.98
14.667	0.00	0.17	0.269	0					1.97
14.750	0.00	0.17	0.268	0					1.96
14.833	0.00	0.17	0.267	0					1.95
14.917	0.00	0.17	0.266	0					1.94
15.000	0.00	0.17	0.265	0					1.93

15.083	0.00	0.17	0.264	0					1.92
15.167	0.00	0.17	0.263	0					1.92
15.250	0.00	0.17	0.261	0					1.91
15.333	0.00	0.16	0.260	0					1.90
15.417	0.00	0.16	0.259	0					1.89
15.500	0.00	0.16	0.258	0					1.88
15.583	0.00	0.16	0.257	0					1.88
15.667	0.00	0.16	0.256	0					1.87
15.750	0.00	0.16	0.255	0					1.86
15.833	0.00	0.16	0.254	0					1.85
15.917	0.00	0.16	0.252	0					1.84
16.000	0.00	0.16	0.251	0					1.83
16.083	0.00	0.16	0.250	0					1.83
16.167	0.00	0.16	0.249	0					1.82
16.250	0.00	0.16	0.248	0					1.81
16.333	0.00	0.16	0.247	0					1.80
16.417	0.00	0.16	0.246	0					1.79
16.500	0.00	0.16	0.245	0					1.79
16.583	0.00	0.16	0.244	0					1.78
16.667	0.00	0.16	0.242	0					1.77
16.750	0.00	0.16	0.241	0					1.76
16.833	0.00	0.16	0.240	0					1.75
16.917	0.00	0.16	0.239	0					1.75
17.000	0.00	0.16	0.238	0					1.74
17.083	0.00	0.16	0.237	0					1.73
17.167	0.00	0.16	0.236	0					1.72
17.250	0.00	0.16	0.235	0					1.71
17.333	0.00	0.15	0.234	0					1.71
17.417	0.00	0.15	0.233	0					1.70
17.500	0.00	0.15	0.232	0					1.69
17.583	0.00	0.15	0.231	0					1.68
17.667	0.00	0.15	0.230	0					1.68
17.750	0.00	0.15	0.229	0					1.67
17.833	0.00	0.15	0.228	0					1.66
17.917	0.00	0.15	0.226	0					1.65
18.000	0.00	0.15	0.225	0					1.65
18.083	0.00	0.15	0.224	0					1.64
18.167	0.00	0.15	0.223	0					1.63
18.250	0.00	0.15	0.222	0					1.62
18.333	0.00	0.15	0.221	0					1.62
18.417	0.00	0.15	0.220	0					1.61
18.500	0.00	0.15	0.219	0					1.60
18.583	0.00	0.15	0.218	0					1.59
18.667	0.00	0.15	0.217	0					1.59
18.750	0.00	0.15	0.216	0					1.58
18.833	0.00	0.15	0.215	0					1.57
18.917	0.00	0.15	0.214	0					1.56
19.000	0.00	0.15	0.213	0					1.56
19.083	0.00	0.15	0.212	0					1.55
19.167	0.00	0.15	0.211	0					1.54

19.250	0.00	0.15	0.210	0					1.53
19.333	0.00	0.15	0.209	0					1.53
19.417	0.00	0.14	0.208	0					1.52
19.500	0.00	0.14	0.207	0					1.51
19.583	0.00	0.14	0.206	0					1.50
19.667	0.00	0.14	0.205	0					1.50
19.750	0.00	0.14	0.204	0					1.49
19.833	0.00	0.14	0.203	0					1.48
19.917	0.00	0.14	0.202	0					1.48
20.000	0.00	0.14	0.201	0					1.47
20.083	0.00	0.14	0.200	0					1.46
20.167	0.00	0.14	0.199	0					1.45
20.250	0.00	0.14	0.198	0					1.45
20.333	0.00	0.14	0.197	0					1.44
20.417	0.00	0.14	0.196	0					1.43
20.500	0.00	0.14	0.195	0					1.43
20.583	0.00	0.14	0.194	0					1.42
20.667	0.00	0.14	0.193	0					1.41
20.750	0.00	0.14	0.192	0					1.40
20.833	0.00	0.14	0.191	0					1.40
20.917	0.00	0.14	0.191	0					1.39
21.000	0.00	0.14	0.190	0					1.38
21.083	0.00	0.14	0.189	0					1.38
21.167	0.00	0.14	0.188	0					1.37
21.250	0.00	0.14	0.187	0					1.36
21.333	0.00	0.14	0.186	0					1.36
21.417	0.00	0.14	0.185	0					1.35
21.500	0.00	0.14	0.184	0					1.34
21.583	0.00	0.14	0.183	0					1.34
21.667	0.00	0.14	0.182	0					1.33
21.750	0.00	0.13	0.181	0					1.32
21.833	0.00	0.13	0.180	0					1.32
21.917	0.00	0.13	0.179	0					1.31
22.000	0.00	0.13	0.178	0					1.30
22.083	0.00	0.13	0.177	0					1.30
22.167	0.00	0.13	0.177	0					1.29
22.250	0.00	0.13	0.176	0					1.28
22.333	0.00	0.13	0.175	0					1.28
22.417	0.00	0.13	0.174	0					1.27
22.500	0.00	0.13	0.173	0					1.26
22.583	0.00	0.13	0.172	0					1.26
22.667	0.00	0.13	0.171	0					1.25
22.750	0.00	0.13	0.170	0					1.24
22.833	0.00	0.13	0.169	0					1.24
22.917	0.00	0.13	0.168	0					1.23
23.000	0.00	0.13	0.167	0					1.22
23.083	0.00	0.13	0.167	0					1.22
23.167	0.00	0.13	0.166	0					1.21
23.250	0.00	0.13	0.165	0					1.20
23.333	0.00	0.13	0.164	0					1.20

23.417	0.00	0.13	0.163	0					1.19
23.500	0.00	0.13	0.162	0					1.18
23.583	0.00	0.13	0.161	0					1.18
23.667	0.00	0.13	0.160	0					1.17
23.750	0.00	0.13	0.160	0					1.16
23.833	0.00	0.13	0.159	0					1.16
23.917	0.00	0.13	0.158	0					1.15
24.000	0.00	0.13	0.157	0					1.15
24.083	0.00	0.13	0.156	0					1.14
24.167	0.00	0.12	0.155	0					1.13
24.250	0.00	0.12	0.154	0					1.13
24.333	0.00	0.12	0.153	0					1.12
24.417	0.00	0.12	0.153	0					1.11
24.500	0.00	0.12	0.152	0					1.11
24.583	0.00	0.12	0.151	0					1.10
24.667	0.00	0.12	0.150	0					1.10
24.750	0.00	0.12	0.149	0					1.09
24.833	0.00	0.12	0.148	0					1.08
24.917	0.00	0.12	0.148	0					1.08
25.000	0.00	0.12	0.147	0					1.07
25.083	0.00	0.12	0.146	0					1.06
25.167	0.00	0.12	0.145	0					1.06
25.250	0.00	0.12	0.144	0					1.05
25.333	0.00	0.12	0.143	0					1.05
25.417	0.00	0.12	0.143	0					1.04
25.500	0.00	0.12	0.142	0					1.03
25.583	0.00	0.12	0.141	0					1.03
25.667	0.00	0.12	0.140	0					1.02
25.750	0.00	0.12	0.139	0					1.02
25.833	0.00	0.12	0.138	0					1.01
25.917	0.00	0.12	0.138	0					1.00
26.000	0.00	0.12	0.137	0					1.00
26.083	0.00	0.12	0.136	0					0.99
26.167	0.00	0.12	0.135	0					0.99
26.250	0.00	0.12	0.134	0					0.98
26.333	0.00	0.12	0.134	0					0.98
26.417	0.00	0.11	0.133	0					0.97
26.500	0.00	0.11	0.132	0					0.96
26.583	0.00	0.11	0.131	0					0.96
26.667	0.00	0.11	0.130	0					0.95
26.750	0.00	0.11	0.130	0					0.95
26.833	0.00	0.11	0.129	0					0.94
26.917	0.00	0.11	0.128	0					0.94
27.000	0.00	0.11	0.127	0					0.93
27.083	0.00	0.11	0.127	0					0.92
27.167	0.00	0.11	0.126	0					0.92
27.250	0.00	0.11	0.125	0					0.91
27.333	0.00	0.11	0.124	0					0.91
27.417	0.00	0.11	0.124	0					0.90
27.500	0.00	0.11	0.123	0					0.90

27.583	0.00	0.11	0.122	0					0.89
27.667	0.00	0.10	0.122	0					0.89
27.750	0.00	0.10	0.121	0					0.88
27.833	0.00	0.10	0.120	0					0.88
27.917	0.00	0.10	0.119	0					0.87
28.000	0.00	0.10	0.119	0					0.87
28.083	0.00	0.10	0.118	0					0.86
28.167	0.00	0.10	0.117	0					0.86
28.250	0.00	0.10	0.117	0					0.85
28.333	0.00	0.10	0.116	0					0.85
28.417	0.00	0.10	0.115	0					0.84
28.500	0.00	0.10	0.115	0					0.84
28.583	0.00	0.10	0.114	0					0.83
28.667	0.00	0.10	0.113	0					0.83
28.750	0.00	0.10	0.112	0					0.82
28.833	0.00	0.10	0.112	0					0.82
28.917	0.00	0.10	0.111	0					0.81
29.000	0.00	0.10	0.111	0					0.81
29.083	0.00	0.09	0.110	0					0.80
29.167	0.00	0.09	0.109	0					0.80
29.250	0.00	0.09	0.109	0					0.79
29.333	0.00	0.09	0.108	0					0.79
29.417	0.00	0.09	0.107	0					0.78
29.500	0.00	0.09	0.107	0					0.78
29.583	0.00	0.09	0.106	0					0.77
29.667	0.00	0.09	0.105	0					0.77
29.750	0.00	0.09	0.105	0					0.76
29.833	0.00	0.09	0.104	0					0.76
29.917	0.00	0.09	0.104	0					0.76
30.000	0.00	0.09	0.103	0					0.75
30.083	0.00	0.09	0.102	0					0.75
30.167	0.00	0.09	0.102	0					0.74
30.250	0.00	0.09	0.101	0					0.74
30.333	0.00	0.09	0.100	0					0.73
30.417	0.00	0.09	0.100	0					0.73
30.500	0.00	0.09	0.099	0					0.72
30.583	0.00	0.09	0.099	0					0.72
30.667	0.00	0.08	0.098	0					0.72
30.750	0.00	0.08	0.098	0					0.71
30.833	0.00	0.08	0.097	0					0.71
30.917	0.00	0.08	0.096	0					0.70
31.000	0.00	0.08	0.096	0					0.70
31.083	0.00	0.08	0.095	0					0.70
31.167	0.00	0.08	0.095	0					0.69
31.250	0.00	0.08	0.094	0					0.69
31.333	0.00	0.08	0.094	0					0.68
31.417	0.00	0.08	0.093	0					0.68
31.500	0.00	0.08	0.092	0					0.68
31.583	0.00	0.08	0.092	0					0.67
31.667	0.00	0.08	0.091	0					0.67

31.750	0.00	0.08	0.091	0					0.66
31.833	0.00	0.08	0.090	0					0.66
31.917	0.00	0.08	0.090	0					0.66
32.000	0.00	0.08	0.089	0					0.65
32.083	0.00	0.08	0.089	0					0.65
32.167	0.00	0.08	0.088	0					0.64
32.250	0.00	0.08	0.088	0					0.64
32.333	0.00	0.08	0.087	0					0.64
32.417	0.00	0.07	0.087	0					0.63
32.500	0.00	0.07	0.086	0					0.63
32.583	0.00	0.07	0.086	0					0.62
32.667	0.00	0.07	0.085	0					0.62
32.750	0.00	0.07	0.085	0					0.62
32.833	0.00	0.07	0.084	0					0.61
32.917	0.00	0.07	0.084	0					0.61
33.000	0.00	0.07	0.083	0					0.61
33.083	0.00	0.07	0.083	0					0.60
33.167	0.00	0.07	0.082	0					0.60
33.250	0.00	0.07	0.082	0					0.60
33.333	0.00	0.07	0.081	0					0.59
33.417	0.00	0.07	0.081	0					0.59
33.500	0.00	0.07	0.080	0					0.59
33.583	0.00	0.07	0.080	0					0.58
33.667	0.00	0.07	0.079	0					0.58
33.750	0.00	0.07	0.079	0					0.58
33.833	0.00	0.07	0.078	0					0.57
33.917	0.00	0.07	0.078	0					0.57
34.000	0.00	0.07	0.077	0					0.57
34.083	0.00	0.07	0.077	0					0.56
34.167	0.00	0.07	0.076	0					0.56
34.250	0.00	0.07	0.076	0					0.56
34.333	0.00	0.07	0.076	0					0.55
34.417	0.00	0.06	0.075	0					0.55
34.500	0.00	0.06	0.075	0					0.55
34.583	0.00	0.06	0.074	0					0.54
34.667	0.00	0.06	0.074	0					0.54
34.750	0.00	0.06	0.073	0					0.54
34.833	0.00	0.06	0.073	0					0.53
34.917	0.00	0.06	0.073	0					0.53
35.000	0.00	0.06	0.072	0					0.53
35.083	0.00	0.06	0.072	0					0.52
35.167	0.00	0.06	0.071	0					0.52
35.250	0.00	0.06	0.071	0					0.52
35.333	0.00	0.06	0.070	0					0.51
35.417	0.00	0.06	0.070	0					0.51
35.500	0.00	0.06	0.070	0					0.51
35.583	0.00	0.06	0.069	0					0.50
35.667	0.00	0.06	0.069	0					0.50
35.750	0.00	0.06	0.068	0					0.50
35.833	0.00	0.06	0.068	0					0.50

35.917	0.00	0.06	0.068	0					0.49
36.000	0.00	0.06	0.067	0					0.49
36.083	0.00	0.06	0.067	0					0.49
36.167	0.00	0.06	0.066	0					0.48
36.250	0.00	0.06	0.066	0					0.48
36.333	0.00	0.06	0.066	0					0.48
36.417	0.00	0.06	0.065	0					0.48
36.500	0.00	0.06	0.065	0					0.47
36.583	0.00	0.06	0.064	0					0.47
36.667	0.00	0.06	0.064	0					0.47
36.750	0.00	0.05	0.064	0					0.46
36.833	0.00	0.05	0.063	0					0.46
36.917	0.00	0.05	0.063	0					0.46
37.000	0.00	0.05	0.063	0					0.46
37.083	0.00	0.05	0.062	0					0.45
37.167	0.00	0.05	0.062	0					0.45
37.250	0.00	0.05	0.061	0					0.45
37.333	0.00	0.05	0.061	0					0.45
37.417	0.00	0.05	0.061	0					0.44
37.500	0.00	0.05	0.060	0					0.44
37.583	0.00	0.05	0.060	0					0.44
37.667	0.00	0.05	0.060	0					0.44
37.750	0.00	0.05	0.059	0					0.43
37.833	0.00	0.05	0.059	0					0.43
37.917	0.00	0.05	0.059	0					0.43
38.000	0.00	0.05	0.058	0					0.43
38.083	0.00	0.05	0.058	0					0.42
38.167	0.00	0.05	0.058	0					0.42
38.250	0.00	0.05	0.057	0					0.42
38.333	0.00	0.05	0.057	0					0.42
38.417	0.00	0.05	0.057	0					0.41
38.500	0.00	0.05	0.056	0					0.41
38.583	0.00	0.05	0.056	0					0.41
38.667	0.00	0.05	0.056	0					0.41
38.750	0.00	0.05	0.055	0					0.40
38.833	0.00	0.05	0.055	0					0.40
38.917	0.00	0.05	0.055	0					0.40
39.000	0.00	0.05	0.054	0					0.40
39.083	0.00	0.05	0.054	0					0.39
39.167	0.00	0.05	0.054	0					0.39
39.250	0.00	0.05	0.053	0					0.39
39.333	0.00	0.05	0.053	0					0.39
39.417	0.00	0.05	0.053	0					0.38
39.500	0.00	0.05	0.052	0					0.38
39.583	0.00	0.04	0.052	0					0.38
39.667	0.00	0.04	0.052	0					0.38
39.750	0.00	0.04	0.051	0					0.38
39.833	0.00	0.04	0.051	0					0.37
39.917	0.00	0.04	0.051	0					0.37
40.000	0.00	0.04	0.051	0					0.37

40.083	0.00	0.04	0.050	0					0.37
40.167	0.00	0.04	0.050	0					0.36
40.250	0.00	0.04	0.050	0					0.36
40.333	0.00	0.04	0.049	0					0.36
40.417	0.00	0.04	0.049	0					0.36
40.500	0.00	0.04	0.049	0					0.36
40.583	0.00	0.04	0.048	0					0.35
40.667	0.00	0.04	0.048	0					0.35
40.750	0.00	0.04	0.048	0					0.35
40.833	0.00	0.04	0.048	0					0.35
40.917	0.00	0.04	0.047	0					0.35
41.000	0.00	0.04	0.047	0					0.34
41.083	0.00	0.04	0.047	0					0.34
41.167	0.00	0.04	0.046	0					0.34
41.250	0.00	0.04	0.046	0					0.34
41.333	0.00	0.04	0.046	0					0.34
41.417	0.00	0.04	0.046	0					0.33
41.500	0.00	0.04	0.045	0					0.33
41.583	0.00	0.04	0.045	0					0.33
41.667	0.00	0.04	0.045	0					0.33
41.750	0.00	0.04	0.045	0					0.33
41.833	0.00	0.04	0.044	0					0.32
41.917	0.00	0.04	0.044	0					0.32
42.000	0.00	0.04	0.044	0					0.32
42.083	0.00	0.04	0.044	0					0.32
42.167	0.00	0.04	0.043	0					0.32
42.250	0.00	0.04	0.043	0					0.31
42.333	0.00	0.04	0.043	0					0.31
42.417	0.00	0.04	0.043	0					0.31
42.500	0.00	0.04	0.042	0					0.31
42.583	0.00	0.04	0.042	0					0.31
42.667	0.00	0.04	0.042	0					0.30
42.750	0.00	0.04	0.042	0					0.30
42.833	0.00	0.04	0.041	0					0.30
42.917	0.00	0.04	0.041	0					0.30
43.000	0.00	0.04	0.041	0					0.30
43.083	0.00	0.03	0.041	0					0.30
43.167	0.00	0.03	0.040	0					0.29
43.250	0.00	0.03	0.040	0					0.29
43.333	0.00	0.03	0.040	0					0.29
43.417	0.00	0.03	0.040	0					0.29
43.500	0.00	0.03	0.039	0					0.29
43.583	0.00	0.03	0.039	0					0.29
43.667	0.00	0.03	0.039	0					0.28
43.750	0.00	0.03	0.039	0					0.28
43.833	0.00	0.03	0.038	0					0.28
43.917	0.00	0.03	0.038	0					0.28
44.000	0.00	0.03	0.038	0					0.28
44.083	0.00	0.03	0.038	0					0.28
44.167	0.00	0.03	0.038	0					0.27

44.250	0.00	0.03	0.037	0					0.27
44.333	0.00	0.03	0.037	0					0.27
44.417	0.00	0.03	0.037	0					0.27
44.500	0.00	0.03	0.037	0					0.27
44.583	0.00	0.03	0.036	0					0.27
44.667	0.00	0.03	0.036	0					0.26
44.750	0.00	0.03	0.036	0					0.26
44.833	0.00	0.03	0.036	0					0.26
44.917	0.00	0.03	0.036	0					0.26
45.000	0.00	0.03	0.035	0					0.26
45.083	0.00	0.03	0.035	0					0.26
45.167	0.00	0.03	0.035	0					0.26
45.250	0.00	0.03	0.035	0					0.25
45.333	0.00	0.03	0.035	0					0.25
45.417	0.00	0.03	0.034	0					0.25
45.500	0.00	0.03	0.034	0					0.25
45.583	0.00	0.03	0.034	0					0.25
45.667	0.00	0.03	0.034	0					0.25
45.750	0.00	0.03	0.034	0					0.24
45.833	0.00	0.03	0.033	0					0.24
45.917	0.00	0.03	0.033	0					0.24
46.000	0.00	0.03	0.033	0					0.24
46.083	0.00	0.03	0.033	0					0.24
46.167	0.00	0.03	0.033	0					0.24
46.250	0.00	0.03	0.032	0					0.24
46.333	0.00	0.03	0.032	0					0.23
46.417	0.00	0.03	0.032	0					0.23
46.500	0.00	0.03	0.032	0					0.23
46.583	0.00	0.03	0.032	0					0.23
46.667	0.00	0.03	0.031	0					0.23
46.750	0.00	0.03	0.031	0					0.23
46.833	0.00	0.03	0.031	0					0.23
46.917	0.00	0.03	0.031	0					0.23
47.000	0.00	0.03	0.031	0					0.22
47.083	0.00	0.03	0.031	0					0.22
47.167	0.00	0.03	0.030	0					0.22
47.250	0.00	0.03	0.030	0					0.22
47.333	0.00	0.03	0.030	0					0.22
47.417	0.00	0.03	0.030	0					0.22
47.500	0.00	0.03	0.030	0					0.22
47.583	0.00	0.03	0.029	0					0.21
47.667	0.00	0.03	0.029	0					0.21
47.750	0.00	0.03	0.029	0					0.21
47.833	0.00	0.02	0.029	0					0.21
47.917	0.00	0.02	0.029	0					0.21
48.000	0.00	0.02	0.029	0					0.21
48.083	0.00	0.02	0.028	0					0.21
48.167	0.00	0.02	0.028	0					0.21
48.250	0.00	0.02	0.028	0					0.20
48.333	0.00	0.02	0.028	0					0.20

48.417	0.00	0.02	0.028	0					0.20
48.500	0.00	0.02	0.028	0					0.20
48.583	0.00	0.02	0.027	0					0.20
48.667	0.00	0.02	0.027	0					0.20
48.750	0.00	0.02	0.027	0					0.20
48.833	0.00	0.02	0.027	0					0.20
48.917	0.00	0.02	0.027	0					0.20
49.000	0.00	0.02	0.027	0					0.19
49.083	0.00	0.02	0.026	0					0.19
49.167	0.00	0.02	0.026	0					0.19
49.250	0.00	0.02	0.026	0					0.19
49.333	0.00	0.02	0.026	0					0.19
49.417	0.00	0.02	0.026	0					0.19
49.500	0.00	0.02	0.026	0					0.19
49.583	0.00	0.02	0.026	0					0.19
49.667	0.00	0.02	0.025	0					0.19
49.750	0.00	0.02	0.025	0					0.18
49.833	0.00	0.02	0.025	0					0.18
49.917	0.00	0.02	0.025	0					0.18
50.000	0.00	0.02	0.025	0					0.18
50.083	0.00	0.02	0.025	0					0.18
50.167	0.00	0.02	0.024	0					0.18
50.250	0.00	0.02	0.024	0					0.18
50.333	0.00	0.02	0.024	0					0.18
50.417	0.00	0.02	0.024	0					0.18
50.500	0.00	0.02	0.024	0					0.17
50.583	0.00	0.02	0.024	0					0.17
50.667	0.00	0.02	0.024	0					0.17
50.750	0.00	0.02	0.023	0					0.17
50.833	0.00	0.02	0.023	0					0.17
50.917	0.00	0.02	0.023	0					0.17
51.000	0.00	0.02	0.023	0					0.17
51.083	0.00	0.02	0.023	0					0.17
51.167	0.00	0.02	0.023	0					0.17
51.250	0.00	0.02	0.023	0					0.17
51.333	0.00	0.02	0.023	0					0.16
51.417	0.00	0.02	0.022	0					0.16
51.500	0.00	0.02	0.022	0					0.16
51.583	0.00	0.02	0.022	0					0.16
51.667	0.00	0.02	0.022	0					0.16
51.750	0.00	0.02	0.022	0					0.16
51.833	0.00	0.02	0.022	0					0.16
51.917	0.00	0.02	0.022	0					0.16
52.000	0.00	0.02	0.021	0					0.16
52.083	0.00	0.02	0.021	0					0.16
52.167	0.00	0.02	0.021	0					0.16
52.250	0.00	0.02	0.021	0					0.15
52.333	0.00	0.02	0.021	0					0.15
52.417	0.00	0.02	0.021	0					0.15
52.500	0.00	0.02	0.021	0					0.15

52.583	0.00	0.02	0.021	0					0.15
52.667	0.00	0.02	0.020	0					0.15
52.750	0.00	0.02	0.020	0					0.15
52.833	0.00	0.02	0.020	0					0.15
52.917	0.00	0.02	0.020	0					0.15
53.000	0.00	0.02	0.020	0					0.15
53.083	0.00	0.02	0.020	0					0.15
53.167	0.00	0.02	0.020	0					0.14
53.250	0.00	0.02	0.020	0					0.14
53.333	0.00	0.02	0.020	0					0.14
53.417	0.00	0.02	0.019	0					0.14
53.500	0.00	0.02	0.019	0					0.14
53.583	0.00	0.02	0.019	0					0.14
53.667	0.00	0.02	0.019	0					0.14
53.750	0.00	0.02	0.019	0					0.14
53.833	0.00	0.02	0.019	0					0.14
53.917	0.00	0.02	0.019	0					0.14
54.000	0.00	0.02	0.019	0					0.14
54.083	0.00	0.02	0.019	0					0.14
54.167	0.00	0.02	0.018	0					0.13
54.250	0.00	0.02	0.018	0					0.13
54.333	0.00	0.02	0.018	0					0.13
54.417	0.00	0.02	0.018	0					0.13
54.500	0.00	0.02	0.018	0					0.13
54.583	0.00	0.02	0.018	0					0.13
54.667	0.00	0.02	0.018	0					0.13
54.750	0.00	0.02	0.018	0					0.13
54.833	0.00	0.02	0.018	0					0.13
54.917	0.00	0.02	0.017	0					0.13
55.000	0.00	0.01	0.017	0					0.13
55.083	0.00	0.01	0.017	0					0.13
55.167	0.00	0.01	0.017	0					0.13
55.250	0.00	0.01	0.017	0					0.12
55.333	0.00	0.01	0.017	0					0.12
55.417	0.00	0.01	0.017	0					0.12
55.500	0.00	0.01	0.017	0					0.12
55.583	0.00	0.01	0.017	0					0.12
55.667	0.00	0.01	0.017	0					0.12
55.750	0.00	0.01	0.016	0					0.12
55.833	0.00	0.01	0.016	0					0.12
55.917	0.00	0.01	0.016	0					0.12
56.000	0.00	0.01	0.016	0					0.12
56.083	0.00	0.01	0.016	0					0.12
56.167	0.00	0.01	0.016	0					0.12
56.250	0.00	0.01	0.016	0					0.12
56.333	0.00	0.01	0.016	0					0.12
56.417	0.00	0.01	0.016	0					0.11
56.500	0.00	0.01	0.016	0					0.11
56.583	0.00	0.01	0.016	0					0.11
56.667	0.00	0.01	0.015	0					0.11

56.750	0.00	0.01	0.015	0					0.11
56.833	0.00	0.01	0.015	0					0.11
56.917	0.00	0.01	0.015	0					0.11
57.000	0.00	0.01	0.015	0					0.11
57.083	0.00	0.01	0.015	0					0.11
57.167	0.00	0.01	0.015	0					0.11
57.250	0.00	0.01	0.015	0					0.11
57.333	0.00	0.01	0.015	0					0.11
57.417	0.00	0.01	0.015	0					0.11
57.500	0.00	0.01	0.015	0					0.11
57.583	0.00	0.01	0.014	0					0.11
57.667	0.00	0.01	0.014	0					0.10
57.750	0.00	0.01	0.014	0					0.10
57.833	0.00	0.01	0.014	0					0.10
57.917	0.00	0.01	0.014	0					0.10
58.000	0.00	0.01	0.014	0					0.10
58.083	0.00	0.01	0.014	0					0.10
58.167	0.00	0.01	0.014	0					0.10
58.250	0.00	0.01	0.014	0					0.10
58.333	0.00	0.01	0.014	0					0.10
58.417	0.00	0.01	0.014	0					0.10
58.500	0.00	0.01	0.014	0					0.10
58.583	0.00	0.01	0.013	0					0.10
58.667	0.00	0.01	0.013	0					0.10
58.750	0.00	0.01	0.013	0					0.10
58.833	0.00	0.01	0.013	0					0.10
58.917	0.00	0.01	0.013	0					0.10
59.000	0.00	0.01	0.013	0					0.10
59.083	0.00	0.01	0.013	0					0.09
59.167	0.00	0.01	0.013	0					0.09
59.250	0.00	0.01	0.013	0					0.09
59.333	0.00	0.01	0.013	0					0.09
59.417	0.00	0.01	0.013	0					0.09
59.500	0.00	0.01	0.013	0					0.09
59.583	0.00	0.01	0.013	0					0.09
59.667	0.00	0.01	0.012	0					0.09
59.750	0.00	0.01	0.012	0					0.09
59.833	0.00	0.01	0.012	0					0.09
59.917	0.00	0.01	0.012	0					0.09
60.000	0.00	0.01	0.012	0					0.09
60.083	0.00	0.01	0.012	0					0.09
60.167	0.00	0.01	0.012	0					0.09
60.250	0.00	0.01	0.012	0					0.09
60.333	0.00	0.01	0.012	0					0.09
60.417	0.00	0.01	0.012	0					0.09
60.500	0.00	0.01	0.012	0					0.09
60.583	0.00	0.01	0.012	0					0.09
60.667	0.00	0.01	0.012	0					0.08
60.750	0.00	0.01	0.012	0					0.08
60.833	0.00	0.01	0.011	0					0.08

60.917	0.00	0.01	0.011	0					0.08
61.000	0.00	0.01	0.011	0					0.08
61.083	0.00	0.01	0.011	0					0.08
61.167	0.00	0.01	0.011	0					0.08
61.250	0.00	0.01	0.011	0					0.08
61.333	0.00	0.01	0.011	0					0.08
61.417	0.00	0.01	0.011	0					0.08
61.500	0.00	0.01	0.011	0					0.08
61.583	0.00	0.01	0.011	0					0.08
61.667	0.00	0.01	0.011	0					0.08
61.750	0.00	0.01	0.011	0					0.08
61.833	0.00	0.01	0.011	0					0.08
61.917	0.00	0.01	0.011	0					0.08
62.000	0.00	0.01	0.011	0					0.08
62.083	0.00	0.01	0.010	0					0.08
62.167	0.00	0.01	0.010	0					0.08
62.250	0.00	0.01	0.010	0					0.08
62.333	0.00	0.01	0.010	0					0.08
62.417	0.00	0.01	0.010	0					0.07
62.500	0.00	0.01	0.010	0					0.07
62.583	0.00	0.01	0.010	0					0.07
62.667	0.00	0.01	0.010	0					0.07
62.750	0.00	0.01	0.010	0					0.07
62.833	0.00	0.01	0.010	0					0.07
62.917	0.00	0.01	0.010	0					0.07
63.000	0.00	0.01	0.010	0					0.07
63.083	0.00	0.01	0.010	0					0.07
63.167	0.00	0.01	0.010	0					0.07
63.250	0.00	0.01	0.010	0					0.07
63.333	0.00	0.01	0.010	0					0.07
63.417	0.00	0.01	0.010	0					0.07
63.500	0.00	0.01	0.009	0					0.07
63.583	0.00	0.01	0.009	0					0.07
63.667	0.00	0.01	0.009	0					0.07
63.750	0.00	0.01	0.009	0					0.07
63.833	0.00	0.01	0.009	0					0.07
63.917	0.00	0.01	0.009	0					0.07
64.000	0.00	0.01	0.009	0					0.07
64.083	0.00	0.01	0.009	0					0.07
64.167	0.00	0.01	0.009	0					0.07
64.250	0.00	0.01	0.009	0					0.07
64.333	0.00	0.01	0.009	0					0.07
64.417	0.00	0.01	0.009	0					0.06
64.500	0.00	0.01	0.009	0					0.06
64.583	0.00	0.01	0.009	0					0.06
64.667	0.00	0.01	0.009	0					0.06
64.750	0.00	0.01	0.009	0					0.06
64.833	0.00	0.01	0.009	0					0.06
64.917	0.00	0.01	0.009	0					0.06
65.000	0.00	0.01	0.009	0					0.06

65.083	0.00	0.01	0.008	0					0.06
65.167	0.00	0.01	0.008	0					0.06
65.250	0.00	0.01	0.008	0					0.06
65.333	0.00	0.01	0.008	0					0.06
65.417	0.00	0.01	0.008	0					0.06
65.500	0.00	0.01	0.008	0					0.06
65.583	0.00	0.01	0.008	0					0.06
65.667	0.00	0.01	0.008	0					0.06
65.750	0.00	0.01	0.008	0					0.06
65.833	0.00	0.01	0.008	0					0.06
65.917	0.00	0.01	0.008	0					0.06
66.000	0.00	0.01	0.008	0					0.06
66.083	0.00	0.01	0.008	0					0.06
66.167	0.00	0.01	0.008	0					0.06
66.250	0.00	0.01	0.008	0					0.06
66.333	0.00	0.01	0.008	0					0.06
66.417	0.00	0.01	0.008	0					0.06
66.500	0.00	0.01	0.008	0					0.06
66.583	0.00	0.01	0.008	0					0.06
66.667	0.00	0.01	0.008	0					0.06
66.750	0.00	0.01	0.008	0					0.05
66.833	0.00	0.01	0.007	0					0.05
66.917	0.00	0.01	0.007	0					0.05
67.000	0.00	0.01	0.007	0					0.05
67.083	0.00	0.01	0.007	0					0.05
67.167	0.00	0.01	0.007	0					0.05
67.250	0.00	0.01	0.007	0					0.05
67.333	0.00	0.01	0.007	0					0.05
67.417	0.00	0.01	0.007	0					0.05
67.500	0.00	0.01	0.007	0					0.05
67.583	0.00	0.01	0.007	0					0.05
67.667	0.00	0.01	0.007	0					0.05
67.750	0.00	0.01	0.007	0					0.05
67.833	0.00	0.01	0.007	0					0.05
67.917	0.00	0.01	0.007	0					0.05
68.000	0.00	0.01	0.007	0					0.05
68.083	0.00	0.01	0.007	0					0.05
68.167	0.00	0.01	0.007	0					0.05
68.250	0.00	0.01	0.007	0					0.05
68.333	0.00	0.01	0.007	0					0.05
68.417	0.00	0.01	0.007	0					0.05
68.500	0.00	0.01	0.007	0					0.05
68.583	0.00	0.01	0.007	0					0.05
68.667	0.00	0.01	0.007	0					0.05
68.750	0.00	0.01	0.007	0					0.05
68.833	0.00	0.01	0.006	0					0.05
68.917	0.00	0.01	0.006	0					0.05
69.000	0.00	0.01	0.006	0					0.05
69.083	0.00	0.01	0.006	0					0.05
69.167	0.00	0.01	0.006	0					0.05

69.250	0.00	0.01	0.006	0					0.05
69.333	0.00	0.01	0.006	0					0.05
69.417	0.00	0.01	0.006	0					0.05
69.500	0.00	0.01	0.006	0					0.05
69.583	0.00	0.01	0.006	0					0.04
69.667	0.00	0.01	0.006	0					0.04
69.750	0.00	0.01	0.006	0					0.04
69.833	0.00	0.01	0.006	0					0.04
69.917	0.00	0.01	0.006	0					0.04
70.000	0.00	0.01	0.006	0					0.04
70.083	0.00	0.01	0.006	0					0.04
70.167	0.00	0.01	0.006	0					0.04
70.250	0.00	0.01	0.006	0					0.04
70.333	0.00	0.01	0.006	0					0.04
70.417	0.00	0.00	0.006	0					0.04
70.500	0.00	0.00	0.006	0					0.04
70.583	0.00	0.00	0.006	0					0.04
70.667	0.00	0.00	0.006	0					0.04
70.750	0.00	0.00	0.006	0					0.04
70.833	0.00	0.00	0.006	0					0.04
70.917	0.00	0.00	0.006	0					0.04
71.000	0.00	0.00	0.006	0					0.04
71.083	0.00	0.00	0.006	0					0.04
71.167	0.00	0.00	0.005	0					0.04
71.250	0.00	0.00	0.005	0					0.04
71.333	0.00	0.00	0.005	0					0.04
71.417	0.00	0.00	0.005	0					0.04
71.500	0.00	0.00	0.005	0					0.04
71.583	0.00	0.00	0.005	0					0.04
71.667	0.00	0.00	0.005	0					0.04
71.750	0.00	0.00	0.005	0					0.04
71.833	0.00	0.00	0.005	0					0.04
71.917	0.00	0.00	0.005	0					0.04
72.000	0.00	0.00	0.005	0					0.04
72.083	0.00	0.00	0.005	0					0.04
72.167	0.00	0.00	0.005	0					0.04
72.250	0.00	0.00	0.005	0					0.04
72.333	0.00	0.00	0.005	0					0.04
72.417	0.00	0.00	0.005	0					0.04
72.500	0.00	0.00	0.005	0					0.04
72.583	0.00	0.00	0.005	0					0.04
72.667	0.00	0.00	0.005	0					0.04
72.750	0.00	0.00	0.005	0					0.04
72.833	0.00	0.00	0.005	0					0.04
72.917	0.00	0.00	0.005	0					0.04
73.000	0.00	0.00	0.005	0					0.04
73.083	0.00	0.00	0.005	0					0.03
73.167	0.00	0.00	0.005	0					0.03
73.250	0.00	0.00	0.005	0					0.03
73.333	0.00	0.00	0.005	0					0.03

73.417	0.00	0.00	0.005	0					0.03
73.500	0.00	0.00	0.005	0					0.03
73.583	0.00	0.00	0.005	0					0.03
73.667	0.00	0.00	0.005	0					0.03
73.750	0.00	0.00	0.005	0					0.03
73.833	0.00	0.00	0.005	0					0.03
73.917	0.00	0.00	0.005	0					0.03
74.000	0.00	0.00	0.004	0					0.03
74.083	0.00	0.00	0.004	0					0.03
74.167	0.00	0.00	0.004	0					0.03
74.250	0.00	0.00	0.004	0					0.03
74.333	0.00	0.00	0.004	0					0.03
74.417	0.00	0.00	0.004	0					0.03
74.500	0.00	0.00	0.004	0					0.03
74.583	0.00	0.00	0.004	0					0.03
74.667	0.00	0.00	0.004	0					0.03
74.750	0.00	0.00	0.004	0					0.03
74.833	0.00	0.00	0.004	0					0.03
74.917	0.00	0.00	0.004	0					0.03
75.000	0.00	0.00	0.004	0					0.03
75.083	0.00	0.00	0.004	0					0.03
75.167	0.00	0.00	0.004	0					0.03
75.250	0.00	0.00	0.004	0					0.03
75.333	0.00	0.00	0.004	0					0.03
75.417	0.00	0.00	0.004	0					0.03
75.500	0.00	0.00	0.004	0					0.03
75.583	0.00	0.00	0.004	0					0.03
75.667	0.00	0.00	0.004	0					0.03
75.750	0.00	0.00	0.004	0					0.03
75.833	0.00	0.00	0.004	0					0.03
75.917	0.00	0.00	0.004	0					0.03
76.000	0.00	0.00	0.004	0					0.03
76.083	0.00	0.00	0.004	0					0.03
76.167	0.00	0.00	0.004	0					0.03
76.250	0.00	0.00	0.004	0					0.03
76.333	0.00	0.00	0.004	0					0.03
76.417	0.00	0.00	0.004	0					0.03
76.500	0.00	0.00	0.004	0					0.03
76.583	0.00	0.00	0.004	0					0.03
76.667	0.00	0.00	0.004	0					0.03
76.750	0.00	0.00	0.004	0					0.03
76.833	0.00	0.00	0.004	0					0.03
76.917	0.00	0.00	0.004	0					0.03
77.000	0.00	0.00	0.004	0					0.03
77.083	0.00	0.00	0.004	0					0.03
77.167	0.00	0.00	0.004	0					0.03
77.250	0.00	0.00	0.004	0					0.03
77.333	0.00	0.00	0.004	0					0.03
77.417	0.00	0.00	0.004	0					0.03
77.500	0.00	0.00	0.003	0					0.03

77.583	0.00	0.00	0.003	0					0.03
77.667	0.00	0.00	0.003	0					0.03
77.750	0.00	0.00	0.003	0					0.03
77.833	0.00	0.00	0.003	0					0.02
77.917	0.00	0.00	0.003	0					0.02
78.000	0.00	0.00	0.003	0					0.02
78.083	0.00	0.00	0.003	0					0.02
78.167	0.00	0.00	0.003	0					0.02
78.250	0.00	0.00	0.003	0					0.02
78.333	0.00	0.00	0.003	0					0.02
78.417	0.00	0.00	0.003	0					0.02
78.500	0.00	0.00	0.003	0					0.02
78.583	0.00	0.00	0.003	0					0.02
78.667	0.00	0.00	0.003	0					0.02
78.750	0.00	0.00	0.003	0					0.02
78.833	0.00	0.00	0.003	0					0.02
78.917	0.00	0.00	0.003	0					0.02
79.000	0.00	0.00	0.003	0					0.02
79.083	0.00	0.00	0.003	0					0.02
79.167	0.00	0.00	0.003	0					0.02
79.250	0.00	0.00	0.003	0					0.02
79.333	0.00	0.00	0.003	0					0.02
79.417	0.00	0.00	0.003	0					0.02
79.500	0.00	0.00	0.003	0					0.02
79.583	0.00	0.00	0.003	0					0.02
79.667	0.00	0.00	0.003	0					0.02
79.750	0.00	0.00	0.003	0					0.02
79.833	0.00	0.00	0.003	0					0.02
79.917	0.00	0.00	0.003	0					0.02
80.000	0.00	0.00	0.003	0					0.02
80.083	0.00	0.00	0.003	0					0.02
80.167	0.00	0.00	0.003	0					0.02
80.250	0.00	0.00	0.003	0					0.02
80.333	0.00	0.00	0.003	0					0.02
80.417	0.00	0.00	0.003	0					0.02
80.500	0.00	0.00	0.003	0					0.02
80.583	0.00	0.00	0.003	0					0.02
80.667	0.00	0.00	0.003	0					0.02
80.750	0.00	0.00	0.003	0					0.02
80.833	0.00	0.00	0.003	0					0.02
80.917	0.00	0.00	0.003	0					0.02
81.000	0.00	0.00	0.003	0					0.02
81.083	0.00	0.00	0.003	0					0.02
81.167	0.00	0.00	0.003	0					0.02
81.250	0.00	0.00	0.003	0					0.02
81.333	0.00	0.00	0.003	0					0.02
81.417	0.00	0.00	0.003	0					0.02
81.500	0.00	0.00	0.003	0					0.02
81.583	0.00	0.00	0.003	0					0.02
81.667	0.00	0.00	0.003	0					0.02

81.750	0.00	0.00	0.003	0					0.02
81.833	0.00	0.00	0.003	0					0.02
81.917	0.00	0.00	0.003	0					0.02
82.000	0.00	0.00	0.003	0					0.02
82.083	0.00	0.00	0.003	0					0.02
82.167	0.00	0.00	0.003	0					0.02
82.250	0.00	0.00	0.002	0					0.02
82.333	0.00	0.00	0.002	0					0.02
82.417	0.00	0.00	0.002	0					0.02
82.500	0.00	0.00	0.002	0					0.02
82.583	0.00	0.00	0.002	0					0.02
82.667	0.00	0.00	0.002	0					0.02
82.750	0.00	0.00	0.002	0					0.02
82.833	0.00	0.00	0.002	0					0.02
82.917	0.00	0.00	0.002	0					0.02
83.000	0.00	0.00	0.002	0					0.02
83.083	0.00	0.00	0.002	0					0.02
83.167	0.00	0.00	0.002	0					0.02
83.250	0.00	0.00	0.002	0					0.02
83.333	0.00	0.00	0.002	0					0.02
83.417	0.00	0.00	0.002	0					0.02
83.500	0.00	0.00	0.002	0					0.02
83.583	0.00	0.00	0.002	0					0.02
83.667	0.00	0.00	0.002	0					0.02
83.750	0.00	0.00	0.002	0					0.02
83.833	0.00	0.00	0.002	0					0.02
83.917	0.00	0.00	0.002	0					0.02
84.000	0.00	0.00	0.002	0					0.02
84.083	0.00	0.00	0.002	0					0.02
84.167	0.00	0.00	0.002	0					0.02
84.250	0.00	0.00	0.002	0					0.02
84.333	0.00	0.00	0.002	0					0.02
84.417	0.00	0.00	0.002	0					0.02
84.500	0.00	0.00	0.002	0					0.02
84.583	0.00	0.00	0.002	0					0.02
84.667	0.00	0.00	0.002	0					0.02
84.750	0.00	0.00	0.002	0					0.02
84.833	0.00	0.00	0.002	0					0.02
84.917	0.00	0.00	0.002	0					0.02
85.000	0.00	0.00	0.002	0					0.01
85.083	0.00	0.00	0.002	0					0.01
85.167	0.00	0.00	0.002	0					0.01
85.250	0.00	0.00	0.002	0					0.01
85.333	0.00	0.00	0.002	0					0.01
85.417	0.00	0.00	0.002	0					0.01
85.500	0.00	0.00	0.002	0					0.01
85.583	0.00	0.00	0.002	0					0.01
85.667	0.00	0.00	0.002	0					0.01
85.750	0.00	0.00	0.002	0					0.01
85.833	0.00	0.00	0.002	0					0.01

85.917	0.00	0.00	0.002	0					0.01
86.000	0.00	0.00	0.002	0					0.01
86.083	0.00	0.00	0.002	0					0.01
86.167	0.00	0.00	0.002	0					0.01
86.250	0.00	0.00	0.002	0					0.01
86.333	0.00	0.00	0.002	0					0.01
86.417	0.00	0.00	0.002	0					0.01
86.500	0.00	0.00	0.002	0					0.01
86.583	0.00	0.00	0.002	0					0.01
86.667	0.00	0.00	0.002	0					0.01
86.750	0.00	0.00	0.002	0					0.01
86.833	0.00	0.00	0.002	0					0.01
86.917	0.00	0.00	0.002	0					0.01
87.000	0.00	0.00	0.002	0					0.01
87.083	0.00	0.00	0.002	0					0.01
87.167	0.00	0.00	0.002	0					0.01
87.250	0.00	0.00	0.002	0					0.01
87.333	0.00	0.00	0.002	0					0.01
87.417	0.00	0.00	0.002	0					0.01
87.500	0.00	0.00	0.002	0					0.01
87.583	0.00	0.00	0.002	0					0.01
87.667	0.00	0.00	0.002	0					0.01
87.750	0.00	0.00	0.002	0					0.01
87.833	0.00	0.00	0.002	0					0.01
87.917	0.00	0.00	0.002	0					0.01
88.000	0.00	0.00	0.002	0					0.01
88.083	0.00	0.00	0.002	0					0.01
88.167	0.00	0.00	0.002	0					0.01
88.250	0.00	0.00	0.002	0					0.01
88.333	0.00	0.00	0.002	0					0.01
88.417	0.00	0.00	0.002	0					0.01
88.500	0.00	0.00	0.002	0					0.01
88.583	0.00	0.00	0.002	0					0.01
88.667	0.00	0.00	0.002	0					0.01
88.750	0.00	0.00	0.002	0					0.01
88.833	0.00	0.00	0.002	0					0.01
88.917	0.00	0.00	0.002	0					0.01
89.000	0.00	0.00	0.002	0					0.01
89.083	0.00	0.00	0.002	0					0.01
89.167	0.00	0.00	0.002	0					0.01
89.250	0.00	0.00	0.002	0					0.01
89.333	0.00	0.00	0.002	0					0.01
89.417	0.00	0.00	0.001	0					0.01
89.500	0.00	0.00	0.001	0					0.01
89.583	0.00	0.00	0.001	0					0.01
89.667	0.00	0.00	0.001	0					0.01
89.750	0.00	0.00	0.001	0					0.01
89.833	0.00	0.00	0.001	0					0.01
89.917	0.00	0.00	0.001	0					0.01
90.000	0.00	0.00	0.001	0					0.01

90.083	0.00	0.00	0.001	0					0.01
90.167	0.00	0.00	0.001	0					0.01
90.250	0.00	0.00	0.001	0					0.01
90.333	0.00	0.00	0.001	0					0.01
90.417	0.00	0.00	0.001	0					0.01
90.500	0.00	0.00	0.001	0					0.01
90.583	0.00	0.00	0.001	0					0.01
90.667	0.00	0.00	0.001	0					0.01
90.750	0.00	0.00	0.001	0					0.01
90.833	0.00	0.00	0.001	0					0.01
90.917	0.00	0.00	0.001	0					0.01
91.000	0.00	0.00	0.001	0					0.01
91.083	0.00	0.00	0.001	0					0.01
91.167	0.00	0.00	0.001	0					0.01
91.250	0.00	0.00	0.001	0					0.01
91.333	0.00	0.00	0.001	0					0.01
91.417	0.00	0.00	0.001	0					0.01
91.500	0.00	0.00	0.001	0					0.01
91.583	0.00	0.00	0.001	0					0.01
91.667	0.00	0.00	0.001	0					0.01
91.750	0.00	0.00	0.001	0					0.01
91.833	0.00	0.00	0.001	0					0.01
91.917	0.00	0.00	0.001	0					0.01
92.000	0.00	0.00	0.001	0					0.01
92.083	0.00	0.00	0.001	0					0.01
92.167	0.00	0.00	0.001	0					0.01
92.250	0.00	0.00	0.001	0					0.01
92.333	0.00	0.00	0.001	0					0.01
92.417	0.00	0.00	0.001	0					0.01
92.500	0.00	0.00	0.001	0					0.01
92.583	0.00	0.00	0.001	0					0.01
92.667	0.00	0.00	0.001	0					0.01
92.750	0.00	0.00	0.001	0					0.01
92.833	0.00	0.00	0.001	0					0.01
92.917	0.00	0.00	0.001	0					0.01
93.000	0.00	0.00	0.001	0					0.01
93.083	0.00	0.00	0.001	0					0.01

Remaining water in basin = 0.00 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 1117

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.224 (CFS)

Total volume = 0.497 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000

Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
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Jana Commercial Development
Post Development
100 yr 3 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: janapost3100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 48
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 8.104 (CFS)
Total volume = 0.805 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 48
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.137	0.118	0.137	0.137
2.000	0.274	0.170	0.273	0.275
4.000	0.548	0.244	0.547	0.549
6.000	0.823	2.414	0.815	0.831
8.000	1.097	4.459	1.082	1.112

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	2.0	4.05	6.08	8.10	Depth (Ft.)
0.083	0.14	0.00	0.000	0					0.00
0.167	0.68	0.00	0.003	0 I					0.02
0.250	1.02	0.01	0.009	0 I					0.07
0.333	1.11	0.01	0.016	0 I					0.12
0.417	1.32	0.02	0.025	0 I					0.18
0.500	1.50	0.03	0.034	0 I					0.25
0.583	1.68	0.04	0.045	0 I					0.33
0.667	1.71	0.05	0.056	0 I					0.41
0.750	1.83	0.06	0.068	0 I					0.50
0.833	1.89	0.07	0.080	0 I					0.59
0.917	1.81	0.08	0.093	0 I					0.68
1.000	1.82	0.09	0.105	0 I					0.76
1.083	1.98	0.10	0.117	0 I					0.85
1.167	2.22	0.11	0.131	0 I					0.95
1.250	2.36	0.12	0.146	0 I					1.06
1.333	2.40	0.13	0.161	0 I					1.18
1.417	2.42	0.13	0.177	0 I					1.29
1.500	2.66	0.14	0.194	0 I					1.41
1.583	2.85	0.15	0.212	0 I					1.54
1.667	2.85	0.15	0.230	0 I					1.68
1.750	3.01	0.16	0.249	0 I					1.82
1.833	3.35	0.17	0.270	0 I					1.97
1.917	3.46	0.17	0.292	0 I					2.13
2.000	3.41	0.18	0.315	0 I					2.30
2.083	3.45	0.19	0.337	0 I					2.46
2.167	3.65	0.19	0.360	0 I					2.63
2.250	4.28	0.20	0.386	0 I					2.82
2.333	4.83	0.21	0.416	0 I					3.04
2.417	4.91	0.22	0.448	0 I					3.27
2.500	6.19	0.23	0.485	0 I					3.54

2.583	7.45	0.24	0.530	0				I		3.87
2.667	8.10	0.51	0.581	0					I	4.24
2.750	7.16	0.88	0.629	0				I		4.59
2.833	4.97	1.16	0.664	0			I			4.84
2.917	3.62	1.32	0.685	0		I				5.00
3.000	2.95	1.43	0.698	0	I					5.09
3.083	2.04	1.48	0.705	0	I					5.14
3.167	1.26	1.49	0.706	IO						5.15
3.250	0.82	1.47	0.703	I 0						5.13
3.333	0.57	1.43	0.698	I 0						5.09
3.417	0.41	1.38	0.692	I 0						5.05
3.500	0.28	1.32	0.685	I 0						5.00
3.583	0.18	1.27	0.677	I 0						4.94
3.667	0.10	1.21	0.670	I 0						4.89
3.750	0.05	1.15	0.662	I 0						4.83
3.833	0.03	1.09	0.655	I 0						4.78
3.917	0.01	1.03	0.648	I 0						4.73
4.000	0.00	0.98	0.641	I 0						4.68
4.083	0.00	0.93	0.634	I 0						4.63
4.167	0.00	0.88	0.628	I 0						4.58
4.250	0.00	0.83	0.622	I 0						4.54
4.333	0.00	0.79	0.617	I 0						4.50
4.417	0.00	0.74	0.611	I 0						4.46
4.500	0.00	0.71	0.606	I 0						4.43
4.583	0.00	0.67	0.602	I 0						4.39
4.667	0.00	0.63	0.597	I 0						4.36
4.750	0.00	0.60	0.593	I 0						4.33
4.833	0.00	0.57	0.589	I 0						4.30
4.917	0.00	0.54	0.585	I 0						4.27
5.000	0.00	0.51	0.582	I 0						4.24
5.083	0.00	0.48	0.578	IO						4.22
5.167	0.00	0.46	0.575	IO						4.20
5.250	0.00	0.43	0.572	IO						4.17
5.333	0.00	0.41	0.569	IO						4.15
5.417	0.00	0.39	0.566	IO						4.13
5.500	0.00	0.37	0.564	IO						4.11
5.583	0.00	0.35	0.561	IO						4.10
5.667	0.00	0.33	0.559	IO						4.08
5.750	0.00	0.31	0.557	IO						4.06
5.833	0.00	0.30	0.555	IO						4.05
5.917	0.00	0.28	0.553	IO						4.03
6.000	0.00	0.27	0.551	IO						4.02
6.083	0.00	0.25	0.549	0						4.01
6.167	0.00	0.24	0.547	0						3.99
6.250	0.00	0.24	0.546	0						3.98
6.333	0.00	0.24	0.544	0						3.97
6.417	0.00	0.24	0.542	0						3.96
6.500	0.00	0.24	0.541	0						3.95
6.583	0.00	0.24	0.539	0						3.93
6.667	0.00	0.24	0.537	0						3.92

6.750	0.00	0.24	0.536	0					3.91
6.833	0.00	0.24	0.534	0					3.90
6.917	0.00	0.24	0.532	0					3.88
7.000	0.00	0.24	0.531	0					3.87
7.083	0.00	0.24	0.529	0					3.86
7.167	0.00	0.24	0.527	0					3.85
7.250	0.00	0.24	0.526	0					3.84
7.333	0.00	0.24	0.524	0					3.82
7.417	0.00	0.24	0.522	0					3.81
7.500	0.00	0.24	0.521	0					3.80
7.583	0.00	0.24	0.519	0					3.79
7.667	0.00	0.24	0.517	0					3.78
7.750	0.00	0.24	0.516	0					3.77
7.833	0.00	0.23	0.514	0					3.75
7.917	0.00	0.23	0.513	0					3.74
8.000	0.00	0.23	0.511	0					3.73
8.083	0.00	0.23	0.509	0					3.72
8.167	0.00	0.23	0.508	0					3.71
8.250	0.00	0.23	0.506	0					3.69
8.333	0.00	0.23	0.505	0					3.68
8.417	0.00	0.23	0.503	0					3.67
8.500	0.00	0.23	0.501	0					3.66
8.583	0.00	0.23	0.500	0					3.65
8.667	0.00	0.23	0.498	0					3.64
8.750	0.00	0.23	0.497	0					3.62
8.833	0.00	0.23	0.495	0					3.61
8.917	0.00	0.23	0.493	0					3.60
9.000	0.00	0.23	0.492	0					3.59
9.083	0.00	0.23	0.490	0					3.58
9.167	0.00	0.23	0.489	0					3.57
9.250	0.00	0.23	0.487	0					3.56
9.333	0.00	0.23	0.486	0					3.54
9.417	0.00	0.23	0.484	0					3.53
9.500	0.00	0.23	0.482	0					3.52
9.583	0.00	0.23	0.481	0					3.51
9.667	0.00	0.23	0.479	0					3.50
9.750	0.00	0.23	0.478	0					3.49
9.833	0.00	0.22	0.476	0					3.48
9.917	0.00	0.22	0.475	0					3.47
10.000	0.00	0.22	0.473	0					3.45
10.083	0.00	0.22	0.472	0					3.44
10.167	0.00	0.22	0.470	0					3.43
10.250	0.00	0.22	0.469	0					3.42
10.333	0.00	0.22	0.467	0					3.41
10.417	0.00	0.22	0.466	0					3.40
10.500	0.00	0.22	0.464	0					3.39
10.583	0.00	0.22	0.462	0					3.38
10.667	0.00	0.22	0.461	0					3.36
10.750	0.00	0.22	0.459	0					3.35
10.833	0.00	0.22	0.458	0					3.34

10.917	0.00	0.22	0.456	0					3.33
11.000	0.00	0.22	0.455	0					3.32
11.083	0.00	0.22	0.453	0					3.31
11.167	0.00	0.22	0.452	0					3.30
11.250	0.00	0.22	0.450	0					3.29
11.333	0.00	0.22	0.449	0					3.28
11.417	0.00	0.22	0.447	0					3.27
11.500	0.00	0.22	0.446	0					3.25
11.583	0.00	0.22	0.444	0					3.24
11.667	0.00	0.22	0.443	0					3.23
11.750	0.00	0.22	0.441	0					3.22
11.833	0.00	0.21	0.440	0					3.21
11.917	0.00	0.21	0.438	0					3.20
12.000	0.00	0.21	0.437	0					3.19
12.083	0.00	0.21	0.436	0					3.18
12.167	0.00	0.21	0.434	0					3.17
12.250	0.00	0.21	0.433	0					3.16
12.333	0.00	0.21	0.431	0					3.15
12.417	0.00	0.21	0.430	0					3.14
12.500	0.00	0.21	0.428	0					3.13
12.583	0.00	0.21	0.427	0					3.11
12.667	0.00	0.21	0.425	0					3.10
12.750	0.00	0.21	0.424	0					3.09
12.833	0.00	0.21	0.422	0					3.08
12.917	0.00	0.21	0.421	0					3.07
13.000	0.00	0.21	0.420	0					3.06
13.083	0.00	0.21	0.418	0					3.05
13.167	0.00	0.21	0.417	0					3.04
13.250	0.00	0.21	0.415	0					3.03
13.333	0.00	0.21	0.414	0					3.02
13.417	0.00	0.21	0.412	0					3.01
13.500	0.00	0.21	0.411	0					3.00
13.583	0.00	0.21	0.409	0					2.99
13.667	0.00	0.21	0.408	0					2.98
13.750	0.00	0.21	0.407	0					2.97
13.833	0.00	0.21	0.405	0					2.96
13.917	0.00	0.21	0.404	0					2.95
14.000	0.00	0.20	0.402	0					2.94
14.083	0.00	0.20	0.401	0					2.93
14.167	0.00	0.20	0.400	0					2.92
14.250	0.00	0.20	0.398	0					2.91
14.333	0.00	0.20	0.397	0					2.90
14.417	0.00	0.20	0.395	0					2.89
14.500	0.00	0.20	0.394	0					2.88
14.583	0.00	0.20	0.393	0					2.87
14.667	0.00	0.20	0.391	0					2.86
14.750	0.00	0.20	0.390	0					2.85
14.833	0.00	0.20	0.388	0					2.84
14.917	0.00	0.20	0.387	0					2.83
15.000	0.00	0.20	0.386	0					2.82

15.083	0.00	0.20	0.384	0					2.81
15.167	0.00	0.20	0.383	0					2.80
15.250	0.00	0.20	0.382	0					2.79
15.333	0.00	0.20	0.380	0					2.78
15.417	0.00	0.20	0.379	0					2.77
15.500	0.00	0.20	0.377	0					2.76
15.583	0.00	0.20	0.376	0					2.75
15.667	0.00	0.20	0.375	0					2.74
15.750	0.00	0.20	0.373	0					2.73
15.833	0.00	0.20	0.372	0					2.72
15.917	0.00	0.20	0.371	0					2.71
16.000	0.00	0.20	0.369	0					2.70
16.083	0.00	0.20	0.368	0					2.69
16.167	0.00	0.20	0.367	0					2.68
16.250	0.00	0.19	0.365	0					2.67
16.333	0.00	0.19	0.364	0					2.66
16.417	0.00	0.19	0.363	0					2.65
16.500	0.00	0.19	0.361	0					2.64
16.583	0.00	0.19	0.360	0					2.63
16.667	0.00	0.19	0.359	0					2.62
16.750	0.00	0.19	0.357	0					2.61
16.833	0.00	0.19	0.356	0					2.60
16.917	0.00	0.19	0.355	0					2.59
17.000	0.00	0.19	0.353	0					2.58
17.083	0.00	0.19	0.352	0					2.57
17.167	0.00	0.19	0.351	0					2.56
17.250	0.00	0.19	0.349	0					2.55
17.333	0.00	0.19	0.348	0					2.54
17.417	0.00	0.19	0.347	0					2.53
17.500	0.00	0.19	0.345	0					2.52
17.583	0.00	0.19	0.344	0					2.51
17.667	0.00	0.19	0.343	0					2.50
17.750	0.00	0.19	0.342	0					2.49
17.833	0.00	0.19	0.340	0					2.48
17.917	0.00	0.19	0.339	0					2.47
18.000	0.00	0.19	0.338	0					2.46
18.083	0.00	0.19	0.336	0					2.46
18.167	0.00	0.19	0.335	0					2.45
18.250	0.00	0.19	0.334	0					2.44
18.333	0.00	0.19	0.333	0					2.43
18.417	0.00	0.19	0.331	0					2.42
18.500	0.00	0.19	0.330	0					2.41
18.583	0.00	0.18	0.329	0					2.40
18.667	0.00	0.18	0.327	0					2.39
18.750	0.00	0.18	0.326	0					2.38
18.833	0.00	0.18	0.325	0					2.37
18.917	0.00	0.18	0.324	0					2.36
19.000	0.00	0.18	0.322	0					2.35
19.083	0.00	0.18	0.321	0					2.34
19.167	0.00	0.18	0.320	0					2.33

19.250	0.00	0.18	0.319	0					2.33
19.333	0.00	0.18	0.317	0					2.32
19.417	0.00	0.18	0.316	0					2.31
19.500	0.00	0.18	0.315	0					2.30
19.583	0.00	0.18	0.314	0					2.29
19.667	0.00	0.18	0.312	0					2.28
19.750	0.00	0.18	0.311	0					2.27
19.833	0.00	0.18	0.310	0					2.26
19.917	0.00	0.18	0.309	0					2.25
20.000	0.00	0.18	0.307	0					2.24
20.083	0.00	0.18	0.306	0					2.23
20.167	0.00	0.18	0.305	0					2.23
20.250	0.00	0.18	0.304	0					2.22
20.333	0.00	0.18	0.302	0					2.21
20.417	0.00	0.18	0.301	0					2.20
20.500	0.00	0.18	0.300	0					2.19
20.583	0.00	0.18	0.299	0					2.18
20.667	0.00	0.18	0.298	0					2.17
20.750	0.00	0.18	0.296	0					2.16
20.833	0.00	0.18	0.295	0					2.15
20.917	0.00	0.18	0.294	0					2.15
21.000	0.00	0.18	0.293	0					2.14
21.083	0.00	0.17	0.292	0					2.13
21.167	0.00	0.17	0.290	0					2.12
21.250	0.00	0.17	0.289	0					2.11
21.333	0.00	0.17	0.288	0					2.10
21.417	0.00	0.17	0.287	0					2.09
21.500	0.00	0.17	0.286	0					2.08
21.583	0.00	0.17	0.284	0					2.08
21.667	0.00	0.17	0.283	0					2.07
21.750	0.00	0.17	0.282	0					2.06
21.833	0.00	0.17	0.281	0					2.05
21.917	0.00	0.17	0.280	0					2.04
22.000	0.00	0.17	0.278	0					2.03
22.083	0.00	0.17	0.277	0					2.02
22.167	0.00	0.17	0.276	0					2.02
22.250	0.00	0.17	0.275	0					2.01
22.333	0.00	0.17	0.274	0					2.00
22.417	0.00	0.17	0.273	0					1.99
22.500	0.00	0.17	0.271	0					1.98
22.583	0.00	0.17	0.270	0					1.97
22.667	0.00	0.17	0.269	0					1.96
22.750	0.00	0.17	0.268	0					1.96
22.833	0.00	0.17	0.267	0					1.95
22.917	0.00	0.17	0.266	0					1.94
23.000	0.00	0.17	0.265	0					1.93
23.083	0.00	0.17	0.263	0					1.92
23.167	0.00	0.17	0.262	0					1.91
23.250	0.00	0.17	0.261	0					1.91
23.333	0.00	0.16	0.260	0					1.90

23.417	0.00	0.16	0.259	0					1.89
23.500	0.00	0.16	0.258	0					1.88
23.583	0.00	0.16	0.257	0					1.87
23.667	0.00	0.16	0.255	0					1.86
23.750	0.00	0.16	0.254	0					1.86
23.833	0.00	0.16	0.253	0					1.85
23.917	0.00	0.16	0.252	0					1.84
24.000	0.00	0.16	0.251	0					1.83
24.083	0.00	0.16	0.250	0					1.82
24.167	0.00	0.16	0.249	0					1.82
24.250	0.00	0.16	0.248	0					1.81
24.333	0.00	0.16	0.247	0					1.80
24.417	0.00	0.16	0.245	0					1.79
24.500	0.00	0.16	0.244	0					1.78
24.583	0.00	0.16	0.243	0					1.78
24.667	0.00	0.16	0.242	0					1.77
24.750	0.00	0.16	0.241	0					1.76
24.833	0.00	0.16	0.240	0					1.75
24.917	0.00	0.16	0.239	0					1.74
25.000	0.00	0.16	0.238	0					1.74
25.083	0.00	0.16	0.237	0					1.73
25.167	0.00	0.16	0.236	0					1.72
25.250	0.00	0.16	0.235	0					1.71
25.333	0.00	0.15	0.234	0					1.70
25.417	0.00	0.15	0.233	0					1.70
25.500	0.00	0.15	0.231	0					1.69
25.583	0.00	0.15	0.230	0					1.68
25.667	0.00	0.15	0.229	0					1.67
25.750	0.00	0.15	0.228	0					1.67
25.833	0.00	0.15	0.227	0					1.66
25.917	0.00	0.15	0.226	0					1.65
26.000	0.00	0.15	0.225	0					1.64
26.083	0.00	0.15	0.224	0					1.64
26.167	0.00	0.15	0.223	0					1.63
26.250	0.00	0.15	0.222	0					1.62
26.333	0.00	0.15	0.221	0					1.61
26.417	0.00	0.15	0.220	0					1.61
26.500	0.00	0.15	0.219	0					1.60
26.583	0.00	0.15	0.218	0					1.59
26.667	0.00	0.15	0.217	0					1.58
26.750	0.00	0.15	0.216	0					1.58
26.833	0.00	0.15	0.215	0					1.57
26.917	0.00	0.15	0.214	0					1.56
27.000	0.00	0.15	0.213	0					1.55
27.083	0.00	0.15	0.212	0					1.55
27.167	0.00	0.15	0.211	0					1.54
27.250	0.00	0.15	0.210	0					1.53
27.333	0.00	0.15	0.209	0					1.52
27.417	0.00	0.14	0.208	0					1.52
27.500	0.00	0.14	0.207	0					1.51

27.583	0.00	0.14	0.206	0					1.50
27.667	0.00	0.14	0.205	0					1.49
27.750	0.00	0.14	0.204	0					1.49
27.833	0.00	0.14	0.203	0					1.48
27.917	0.00	0.14	0.202	0					1.47
28.000	0.00	0.14	0.201	0					1.47
28.083	0.00	0.14	0.200	0					1.46
28.167	0.00	0.14	0.199	0					1.45
28.250	0.00	0.14	0.198	0					1.44
28.333	0.00	0.14	0.197	0					1.44
28.417	0.00	0.14	0.196	0					1.43
28.500	0.00	0.14	0.195	0					1.42
28.583	0.00	0.14	0.194	0					1.42
28.667	0.00	0.14	0.193	0					1.41
28.750	0.00	0.14	0.192	0					1.40
28.833	0.00	0.14	0.191	0					1.40
28.917	0.00	0.14	0.190	0					1.39
29.000	0.00	0.14	0.189	0					1.38
29.083	0.00	0.14	0.188	0					1.37
29.167	0.00	0.14	0.187	0					1.37
29.250	0.00	0.14	0.186	0					1.36
29.333	0.00	0.14	0.186	0					1.35
29.417	0.00	0.14	0.185	0					1.35
29.500	0.00	0.14	0.184	0					1.34
29.583	0.00	0.14	0.183	0					1.33
29.667	0.00	0.13	0.182	0					1.33
29.750	0.00	0.13	0.181	0					1.32
29.833	0.00	0.13	0.180	0					1.31
29.917	0.00	0.13	0.179	0					1.31
30.000	0.00	0.13	0.178	0					1.30
30.083	0.00	0.13	0.177	0					1.29
30.167	0.00	0.13	0.176	0					1.29
30.250	0.00	0.13	0.175	0					1.28
30.333	0.00	0.13	0.174	0					1.27
30.417	0.00	0.13	0.174	0					1.27
30.500	0.00	0.13	0.173	0					1.26
30.583	0.00	0.13	0.172	0					1.25
30.667	0.00	0.13	0.171	0					1.25
30.750	0.00	0.13	0.170	0					1.24
30.833	0.00	0.13	0.169	0					1.23
30.917	0.00	0.13	0.168	0					1.23
31.000	0.00	0.13	0.167	0					1.22
31.083	0.00	0.13	0.166	0					1.21
31.167	0.00	0.13	0.165	0					1.21
31.250	0.00	0.13	0.165	0					1.20
31.333	0.00	0.13	0.164	0					1.19
31.417	0.00	0.13	0.163	0					1.19
31.500	0.00	0.13	0.162	0					1.18
31.583	0.00	0.13	0.161	0					1.18
31.667	0.00	0.13	0.160	0					1.17

31.750	0.00	0.13	0.159	0					1.16
31.833	0.00	0.13	0.158	0					1.16
31.917	0.00	0.13	0.158	0					1.15
32.000	0.00	0.13	0.157	0					1.14
32.083	0.00	0.13	0.156	0					1.14
32.167	0.00	0.12	0.155	0					1.13
32.250	0.00	0.12	0.154	0					1.12
32.333	0.00	0.12	0.153	0					1.12
32.417	0.00	0.12	0.152	0					1.11
32.500	0.00	0.12	0.152	0					1.11
32.583	0.00	0.12	0.151	0					1.10
32.667	0.00	0.12	0.150	0					1.09
32.750	0.00	0.12	0.149	0					1.09
32.833	0.00	0.12	0.148	0					1.08
32.917	0.00	0.12	0.147	0					1.08
33.000	0.00	0.12	0.146	0					1.07
33.083	0.00	0.12	0.146	0					1.06
33.167	0.00	0.12	0.145	0					1.06
33.250	0.00	0.12	0.144	0					1.05
33.333	0.00	0.12	0.143	0					1.04
33.417	0.00	0.12	0.142	0					1.04
33.500	0.00	0.12	0.141	0					1.03
33.583	0.00	0.12	0.141	0					1.03
33.667	0.00	0.12	0.140	0					1.02
33.750	0.00	0.12	0.139	0					1.01
33.833	0.00	0.12	0.138	0					1.01
33.917	0.00	0.12	0.137	0					1.00
34.000	0.00	0.12	0.137	0					1.00
34.083	0.00	0.12	0.136	0					0.99
34.167	0.00	0.12	0.135	0					0.99
34.250	0.00	0.12	0.134	0					0.98
34.333	0.00	0.11	0.133	0					0.97
34.417	0.00	0.11	0.133	0					0.97
34.500	0.00	0.11	0.132	0					0.96
34.583	0.00	0.11	0.131	0					0.96
34.667	0.00	0.11	0.130	0					0.95
34.750	0.00	0.11	0.129	0					0.95
34.833	0.00	0.11	0.129	0					0.94
34.917	0.00	0.11	0.128	0					0.93
35.000	0.00	0.11	0.127	0					0.93
35.083	0.00	0.11	0.126	0					0.92
35.167	0.00	0.11	0.126	0					0.92
35.250	0.00	0.11	0.125	0					0.91
35.333	0.00	0.11	0.124	0					0.91
35.417	0.00	0.11	0.123	0					0.90
35.500	0.00	0.11	0.123	0					0.90
35.583	0.00	0.11	0.122	0					0.89
35.667	0.00	0.10	0.121	0					0.89
35.750	0.00	0.10	0.121	0					0.88
35.833	0.00	0.10	0.120	0					0.87

35.917	0.00	0.10	0.119	0					0.87
36.000	0.00	0.10	0.118	0					0.86
36.083	0.00	0.10	0.118	0					0.86
36.167	0.00	0.10	0.117	0					0.85
36.250	0.00	0.10	0.116	0					0.85
36.333	0.00	0.10	0.116	0					0.84
36.417	0.00	0.10	0.115	0					0.84
36.500	0.00	0.10	0.114	0					0.83
36.583	0.00	0.10	0.114	0					0.83
36.667	0.00	0.10	0.113	0					0.82
36.750	0.00	0.10	0.112	0					0.82
36.833	0.00	0.10	0.112	0					0.81
36.917	0.00	0.10	0.111	0					0.81
37.000	0.00	0.10	0.110	0					0.81
37.083	0.00	0.09	0.110	0					0.80
37.167	0.00	0.09	0.109	0					0.80
37.250	0.00	0.09	0.108	0					0.79
37.333	0.00	0.09	0.108	0					0.79
37.417	0.00	0.09	0.107	0					0.78
37.500	0.00	0.09	0.106	0					0.78
37.583	0.00	0.09	0.106	0					0.77
37.667	0.00	0.09	0.105	0					0.77
37.750	0.00	0.09	0.105	0					0.76
37.833	0.00	0.09	0.104	0					0.76
37.917	0.00	0.09	0.103	0					0.75
38.000	0.00	0.09	0.103	0					0.75
38.083	0.00	0.09	0.102	0					0.75
38.167	0.00	0.09	0.102	0					0.74
38.250	0.00	0.09	0.101	0					0.74
38.333	0.00	0.09	0.100	0					0.73
38.417	0.00	0.09	0.100	0					0.73
38.500	0.00	0.09	0.099	0					0.72
38.583	0.00	0.08	0.099	0					0.72
38.667	0.00	0.08	0.098	0					0.72
38.750	0.00	0.08	0.097	0					0.71
38.833	0.00	0.08	0.097	0					0.71
38.917	0.00	0.08	0.096	0					0.70
39.000	0.00	0.08	0.096	0					0.70
39.083	0.00	0.08	0.095	0					0.69
39.167	0.00	0.08	0.095	0					0.69
39.250	0.00	0.08	0.094	0					0.69
39.333	0.00	0.08	0.093	0					0.68
39.417	0.00	0.08	0.093	0					0.68
39.500	0.00	0.08	0.092	0					0.67
39.583	0.00	0.08	0.092	0					0.67
39.667	0.00	0.08	0.091	0					0.67
39.750	0.00	0.08	0.091	0					0.66
39.833	0.00	0.08	0.090	0					0.66
39.917	0.00	0.08	0.090	0					0.65
40.000	0.00	0.08	0.089	0					0.65

40.083	0.00	0.08	0.089	0					0.65
40.167	0.00	0.08	0.088	0					0.64
40.250	0.00	0.08	0.088	0					0.64
40.333	0.00	0.07	0.087	0					0.64
40.417	0.00	0.07	0.086	0					0.63
40.500	0.00	0.07	0.086	0					0.63
40.583	0.00	0.07	0.085	0					0.62
40.667	0.00	0.07	0.085	0					0.62
40.750	0.00	0.07	0.084	0					0.62
40.833	0.00	0.07	0.084	0					0.61
40.917	0.00	0.07	0.083	0					0.61
41.000	0.00	0.07	0.083	0					0.61
41.083	0.00	0.07	0.082	0					0.60
41.167	0.00	0.07	0.082	0					0.60
41.250	0.00	0.07	0.082	0					0.60
41.333	0.00	0.07	0.081	0					0.59
41.417	0.00	0.07	0.081	0					0.59
41.500	0.00	0.07	0.080	0					0.58
41.583	0.00	0.07	0.080	0					0.58
41.667	0.00	0.07	0.079	0					0.58
41.750	0.00	0.07	0.079	0					0.57
41.833	0.00	0.07	0.078	0					0.57
41.917	0.00	0.07	0.078	0					0.57
42.000	0.00	0.07	0.077	0					0.56
42.083	0.00	0.07	0.077	0					0.56
42.167	0.00	0.07	0.076	0					0.56
42.250	0.00	0.07	0.076	0					0.55
42.333	0.00	0.06	0.075	0					0.55
42.417	0.00	0.06	0.075	0					0.55
42.500	0.00	0.06	0.075	0					0.54
42.583	0.00	0.06	0.074	0					0.54
42.667	0.00	0.06	0.074	0					0.54
42.750	0.00	0.06	0.073	0					0.53
42.833	0.00	0.06	0.073	0					0.53
42.917	0.00	0.06	0.072	0					0.53
43.000	0.00	0.06	0.072	0					0.53
43.083	0.00	0.06	0.072	0					0.52
43.167	0.00	0.06	0.071	0					0.52
43.250	0.00	0.06	0.071	0					0.52
43.333	0.00	0.06	0.070	0					0.51
43.417	0.00	0.06	0.070	0					0.51
43.500	0.00	0.06	0.069	0					0.51
43.583	0.00	0.06	0.069	0					0.50
43.667	0.00	0.06	0.069	0					0.50
43.750	0.00	0.06	0.068	0					0.50
43.833	0.00	0.06	0.068	0					0.50
43.917	0.00	0.06	0.067	0					0.49
44.000	0.00	0.06	0.067	0					0.49
44.083	0.00	0.06	0.067	0					0.49
44.167	0.00	0.06	0.066	0					0.48

44.250	0.00	0.06	0.066	0					0.48
44.333	0.00	0.06	0.065	0					0.48
44.417	0.00	0.06	0.065	0					0.47
44.500	0.00	0.06	0.065	0					0.47
44.583	0.00	0.06	0.064	0					0.47
44.667	0.00	0.06	0.064	0					0.47
44.750	0.00	0.05	0.064	0					0.46
44.833	0.00	0.05	0.063	0					0.46
44.917	0.00	0.05	0.063	0					0.46
45.000	0.00	0.05	0.062	0					0.46
45.083	0.00	0.05	0.062	0					0.45
45.167	0.00	0.05	0.062	0					0.45
45.250	0.00	0.05	0.061	0					0.45
45.333	0.00	0.05	0.061	0					0.44
45.417	0.00	0.05	0.061	0					0.44
45.500	0.00	0.05	0.060	0					0.44
45.583	0.00	0.05	0.060	0					0.44
45.667	0.00	0.05	0.060	0					0.43
45.750	0.00	0.05	0.059	0					0.43
45.833	0.00	0.05	0.059	0					0.43
45.917	0.00	0.05	0.058	0					0.43
46.000	0.00	0.05	0.058	0					0.42
46.083	0.00	0.05	0.058	0					0.42
46.167	0.00	0.05	0.057	0					0.42
46.250	0.00	0.05	0.057	0					0.42
46.333	0.00	0.05	0.057	0					0.41
46.417	0.00	0.05	0.056	0					0.41
46.500	0.00	0.05	0.056	0					0.41
46.583	0.00	0.05	0.056	0					0.41
46.667	0.00	0.05	0.055	0					0.40
46.750	0.00	0.05	0.055	0					0.40
46.833	0.00	0.05	0.055	0					0.40
46.917	0.00	0.05	0.054	0					0.40
47.000	0.00	0.05	0.054	0					0.40
47.083	0.00	0.05	0.054	0					0.39
47.167	0.00	0.05	0.053	0					0.39
47.250	0.00	0.05	0.053	0					0.39
47.333	0.00	0.05	0.053	0					0.39
47.417	0.00	0.05	0.053	0					0.38
47.500	0.00	0.04	0.052	0					0.38
47.583	0.00	0.04	0.052	0					0.38
47.667	0.00	0.04	0.052	0					0.38
47.750	0.00	0.04	0.051	0					0.37
47.833	0.00	0.04	0.051	0					0.37
47.917	0.00	0.04	0.051	0					0.37
48.000	0.00	0.04	0.050	0					0.37
48.083	0.00	0.04	0.050	0					0.37
48.167	0.00	0.04	0.050	0					0.36
48.250	0.00	0.04	0.050	0					0.36
48.333	0.00	0.04	0.049	0					0.36

48.417	0.00	0.04	0.049	0					0.36
48.500	0.00	0.04	0.049	0					0.36
48.583	0.00	0.04	0.048	0					0.35
48.667	0.00	0.04	0.048	0					0.35
48.750	0.00	0.04	0.048	0					0.35
48.833	0.00	0.04	0.048	0					0.35
48.917	0.00	0.04	0.047	0					0.34
49.000	0.00	0.04	0.047	0					0.34
49.083	0.00	0.04	0.047	0					0.34
49.167	0.00	0.04	0.046	0					0.34
49.250	0.00	0.04	0.046	0					0.34
49.333	0.00	0.04	0.046	0					0.33
49.417	0.00	0.04	0.046	0					0.33
49.500	0.00	0.04	0.045	0					0.33
49.583	0.00	0.04	0.045	0					0.33
49.667	0.00	0.04	0.045	0					0.33
49.750	0.00	0.04	0.045	0					0.32
49.833	0.00	0.04	0.044	0					0.32
49.917	0.00	0.04	0.044	0					0.32
50.000	0.00	0.04	0.044	0					0.32
50.083	0.00	0.04	0.043	0					0.32
50.167	0.00	0.04	0.043	0					0.32
50.250	0.00	0.04	0.043	0					0.31
50.333	0.00	0.04	0.043	0					0.31
50.417	0.00	0.04	0.042	0					0.31
50.500	0.00	0.04	0.042	0					0.31
50.583	0.00	0.04	0.042	0					0.31
50.667	0.00	0.04	0.042	0					0.30
50.750	0.00	0.04	0.041	0					0.30
50.833	0.00	0.04	0.041	0					0.30
50.917	0.00	0.04	0.041	0					0.30
51.000	0.00	0.04	0.041	0					0.30
51.083	0.00	0.03	0.040	0					0.30
51.167	0.00	0.03	0.040	0					0.29
51.250	0.00	0.03	0.040	0					0.29
51.333	0.00	0.03	0.040	0					0.29
51.417	0.00	0.03	0.040	0					0.29
51.500	0.00	0.03	0.039	0					0.29
51.583	0.00	0.03	0.039	0					0.29
51.667	0.00	0.03	0.039	0					0.28
51.750	0.00	0.03	0.039	0					0.28
51.833	0.00	0.03	0.038	0					0.28
51.917	0.00	0.03	0.038	0					0.28
52.000	0.00	0.03	0.038	0					0.28
52.083	0.00	0.03	0.038	0					0.28
52.167	0.00	0.03	0.037	0					0.27
52.250	0.00	0.03	0.037	0					0.27
52.333	0.00	0.03	0.037	0					0.27
52.417	0.00	0.03	0.037	0					0.27
52.500	0.00	0.03	0.037	0					0.27

52.583	0.00	0.03	0.036	0					0.27
52.667	0.00	0.03	0.036	0					0.26
52.750	0.00	0.03	0.036	0					0.26
52.833	0.00	0.03	0.036	0					0.26
52.917	0.00	0.03	0.036	0					0.26
53.000	0.00	0.03	0.035	0					0.26
53.083	0.00	0.03	0.035	0					0.26
53.167	0.00	0.03	0.035	0					0.25
53.250	0.00	0.03	0.035	0					0.25
53.333	0.00	0.03	0.034	0					0.25
53.417	0.00	0.03	0.034	0					0.25
53.500	0.00	0.03	0.034	0					0.25
53.583	0.00	0.03	0.034	0					0.25
53.667	0.00	0.03	0.034	0					0.25
53.750	0.00	0.03	0.033	0					0.24
53.833	0.00	0.03	0.033	0					0.24
53.917	0.00	0.03	0.033	0					0.24
54.000	0.00	0.03	0.033	0					0.24
54.083	0.00	0.03	0.033	0					0.24
54.167	0.00	0.03	0.033	0					0.24
54.250	0.00	0.03	0.032	0					0.24
54.333	0.00	0.03	0.032	0					0.23
54.417	0.00	0.03	0.032	0					0.23
54.500	0.00	0.03	0.032	0					0.23
54.583	0.00	0.03	0.032	0					0.23
54.667	0.00	0.03	0.031	0					0.23
54.750	0.00	0.03	0.031	0					0.23
54.833	0.00	0.03	0.031	0					0.23
54.917	0.00	0.03	0.031	0					0.22
55.000	0.00	0.03	0.031	0					0.22
55.083	0.00	0.03	0.030	0					0.22
55.167	0.00	0.03	0.030	0					0.22
55.250	0.00	0.03	0.030	0					0.22
55.333	0.00	0.03	0.030	0					0.22
55.417	0.00	0.03	0.030	0					0.22
55.500	0.00	0.03	0.030	0					0.22
55.583	0.00	0.03	0.029	0					0.21
55.667	0.00	0.03	0.029	0					0.21
55.750	0.00	0.03	0.029	0					0.21
55.833	0.00	0.02	0.029	0					0.21
55.917	0.00	0.02	0.029	0					0.21
56.000	0.00	0.02	0.029	0					0.21
56.083	0.00	0.02	0.028	0					0.21
56.167	0.00	0.02	0.028	0					0.21
56.250	0.00	0.02	0.028	0					0.20
56.333	0.00	0.02	0.028	0					0.20
56.417	0.00	0.02	0.028	0					0.20
56.500	0.00	0.02	0.028	0					0.20
56.583	0.00	0.02	0.027	0					0.20
56.667	0.00	0.02	0.027	0					0.20

56.750	0.00	0.02	0.027	0					0.20
56.833	0.00	0.02	0.027	0					0.20
56.917	0.00	0.02	0.027	0					0.20
57.000	0.00	0.02	0.027	0					0.19
57.083	0.00	0.02	0.026	0					0.19
57.167	0.00	0.02	0.026	0					0.19
57.250	0.00	0.02	0.026	0					0.19
57.333	0.00	0.02	0.026	0					0.19
57.417	0.00	0.02	0.026	0					0.19
57.500	0.00	0.02	0.026	0					0.19
57.583	0.00	0.02	0.025	0					0.19
57.667	0.00	0.02	0.025	0					0.18
57.750	0.00	0.02	0.025	0					0.18
57.833	0.00	0.02	0.025	0					0.18
57.917	0.00	0.02	0.025	0					0.18
58.000	0.00	0.02	0.025	0					0.18
58.083	0.00	0.02	0.025	0					0.18
58.167	0.00	0.02	0.024	0					0.18
58.250	0.00	0.02	0.024	0					0.18
58.333	0.00	0.02	0.024	0					0.18
58.417	0.00	0.02	0.024	0					0.18
58.500	0.00	0.02	0.024	0					0.17
58.583	0.00	0.02	0.024	0					0.17
58.667	0.00	0.02	0.024	0					0.17
58.750	0.00	0.02	0.023	0					0.17
58.833	0.00	0.02	0.023	0					0.17
58.917	0.00	0.02	0.023	0					0.17
59.000	0.00	0.02	0.023	0					0.17
59.083	0.00	0.02	0.023	0					0.17
59.167	0.00	0.02	0.023	0					0.17
59.250	0.00	0.02	0.023	0					0.17
59.333	0.00	0.02	0.023	0					0.16
59.417	0.00	0.02	0.022	0					0.16
59.500	0.00	0.02	0.022	0					0.16
59.583	0.00	0.02	0.022	0					0.16
59.667	0.00	0.02	0.022	0					0.16
59.750	0.00	0.02	0.022	0					0.16
59.833	0.00	0.02	0.022	0					0.16
59.917	0.00	0.02	0.022	0					0.16
60.000	0.00	0.02	0.021	0					0.16
60.083	0.00	0.02	0.021	0					0.16
60.167	0.00	0.02	0.021	0					0.15
60.250	0.00	0.02	0.021	0					0.15
60.333	0.00	0.02	0.021	0					0.15
60.417	0.00	0.02	0.021	0					0.15
60.500	0.00	0.02	0.021	0					0.15
60.583	0.00	0.02	0.021	0					0.15
60.667	0.00	0.02	0.020	0					0.15
60.750	0.00	0.02	0.020	0					0.15
60.833	0.00	0.02	0.020	0					0.15

60.917	0.00	0.02	0.020	0					0.15
61.000	0.00	0.02	0.020	0					0.15
61.083	0.00	0.02	0.020	0					0.15
61.167	0.00	0.02	0.020	0					0.14
61.250	0.00	0.02	0.020	0					0.14
61.333	0.00	0.02	0.020	0					0.14
61.417	0.00	0.02	0.019	0					0.14
61.500	0.00	0.02	0.019	0					0.14
61.583	0.00	0.02	0.019	0					0.14
61.667	0.00	0.02	0.019	0					0.14
61.750	0.00	0.02	0.019	0					0.14
61.833	0.00	0.02	0.019	0					0.14
61.917	0.00	0.02	0.019	0					0.14
62.000	0.00	0.02	0.019	0					0.14
62.083	0.00	0.02	0.019	0					0.14
62.167	0.00	0.02	0.018	0					0.13
62.250	0.00	0.02	0.018	0					0.13
62.333	0.00	0.02	0.018	0					0.13
62.417	0.00	0.02	0.018	0					0.13
62.500	0.00	0.02	0.018	0					0.13
62.583	0.00	0.02	0.018	0					0.13
62.667	0.00	0.02	0.018	0					0.13
62.750	0.00	0.02	0.018	0					0.13
62.833	0.00	0.02	0.018	0					0.13
62.917	0.00	0.02	0.017	0					0.13
63.000	0.00	0.01	0.017	0					0.13
63.083	0.00	0.01	0.017	0					0.13
63.167	0.00	0.01	0.017	0					0.13
63.250	0.00	0.01	0.017	0					0.12
63.333	0.00	0.01	0.017	0					0.12
63.417	0.00	0.01	0.017	0					0.12
63.500	0.00	0.01	0.017	0					0.12
63.583	0.00	0.01	0.017	0					0.12
63.667	0.00	0.01	0.017	0					0.12
63.750	0.00	0.01	0.016	0					0.12
63.833	0.00	0.01	0.016	0					0.12
63.917	0.00	0.01	0.016	0					0.12
64.000	0.00	0.01	0.016	0					0.12
64.083	0.00	0.01	0.016	0					0.12
64.167	0.00	0.01	0.016	0					0.12
64.250	0.00	0.01	0.016	0					0.12
64.333	0.00	0.01	0.016	0					0.12
64.417	0.00	0.01	0.016	0					0.11
64.500	0.00	0.01	0.016	0					0.11
64.583	0.00	0.01	0.015	0					0.11
64.667	0.00	0.01	0.015	0					0.11
64.750	0.00	0.01	0.015	0					0.11
64.833	0.00	0.01	0.015	0					0.11
64.917	0.00	0.01	0.015	0					0.11
65.000	0.00	0.01	0.015	0					0.11

65.083	0.00	0.01	0.015	0					0.11
65.167	0.00	0.01	0.015	0					0.11
65.250	0.00	0.01	0.015	0					0.11
65.333	0.00	0.01	0.015	0					0.11
65.417	0.00	0.01	0.015	0					0.11
65.500	0.00	0.01	0.015	0					0.11
65.583	0.00	0.01	0.014	0					0.11
65.667	0.00	0.01	0.014	0					0.10
65.750	0.00	0.01	0.014	0					0.10
65.833	0.00	0.01	0.014	0					0.10
65.917	0.00	0.01	0.014	0					0.10
66.000	0.00	0.01	0.014	0					0.10
66.083	0.00	0.01	0.014	0					0.10
66.167	0.00	0.01	0.014	0					0.10
66.250	0.00	0.01	0.014	0					0.10
66.333	0.00	0.01	0.014	0					0.10
66.417	0.00	0.01	0.014	0					0.10
66.500	0.00	0.01	0.014	0					0.10
66.583	0.00	0.01	0.013	0					0.10
66.667	0.00	0.01	0.013	0					0.10
66.750	0.00	0.01	0.013	0					0.10
66.833	0.00	0.01	0.013	0					0.10
66.917	0.00	0.01	0.013	0					0.10
67.000	0.00	0.01	0.013	0					0.10
67.083	0.00	0.01	0.013	0					0.09
67.167	0.00	0.01	0.013	0					0.09
67.250	0.00	0.01	0.013	0					0.09
67.333	0.00	0.01	0.013	0					0.09
67.417	0.00	0.01	0.013	0					0.09
67.500	0.00	0.01	0.013	0					0.09
67.583	0.00	0.01	0.013	0					0.09
67.667	0.00	0.01	0.012	0					0.09
67.750	0.00	0.01	0.012	0					0.09
67.833	0.00	0.01	0.012	0					0.09
67.917	0.00	0.01	0.012	0					0.09
68.000	0.00	0.01	0.012	0					0.09
68.083	0.00	0.01	0.012	0					0.09
68.167	0.00	0.01	0.012	0					0.09
68.250	0.00	0.01	0.012	0					0.09
68.333	0.00	0.01	0.012	0					0.09
68.417	0.00	0.01	0.012	0					0.09
68.500	0.00	0.01	0.012	0					0.09
68.583	0.00	0.01	0.012	0					0.09
68.667	0.00	0.01	0.012	0					0.08
68.750	0.00	0.01	0.012	0					0.08
68.833	0.00	0.01	0.011	0					0.08
68.917	0.00	0.01	0.011	0					0.08
69.000	0.00	0.01	0.011	0					0.08
69.083	0.00	0.01	0.011	0					0.08
69.167	0.00	0.01	0.011	0					0.08

69.250	0.00	0.01	0.011	0					0.08
69.333	0.00	0.01	0.011	0					0.08
69.417	0.00	0.01	0.011	0					0.08
69.500	0.00	0.01	0.011	0					0.08
69.583	0.00	0.01	0.011	0					0.08
69.667	0.00	0.01	0.011	0					0.08
69.750	0.00	0.01	0.011	0					0.08
69.833	0.00	0.01	0.011	0					0.08
69.917	0.00	0.01	0.011	0					0.08
70.000	0.00	0.01	0.011	0					0.08
70.083	0.00	0.01	0.010	0					0.08
70.167	0.00	0.01	0.010	0					0.08
70.250	0.00	0.01	0.010	0					0.08
70.333	0.00	0.01	0.010	0					0.08
70.417	0.00	0.01	0.010	0					0.07
70.500	0.00	0.01	0.010	0					0.07
70.583	0.00	0.01	0.010	0					0.07
70.667	0.00	0.01	0.010	0					0.07
70.750	0.00	0.01	0.010	0					0.07
70.833	0.00	0.01	0.010	0					0.07
70.917	0.00	0.01	0.010	0					0.07
71.000	0.00	0.01	0.010	0					0.07
71.083	0.00	0.01	0.010	0					0.07
71.167	0.00	0.01	0.010	0					0.07
71.250	0.00	0.01	0.010	0					0.07
71.333	0.00	0.01	0.010	0					0.07
71.417	0.00	0.01	0.010	0					0.07
71.500	0.00	0.01	0.009	0					0.07
71.583	0.00	0.01	0.009	0					0.07
71.667	0.00	0.01	0.009	0					0.07
71.750	0.00	0.01	0.009	0					0.07
71.833	0.00	0.01	0.009	0					0.07
71.917	0.00	0.01	0.009	0					0.07
72.000	0.00	0.01	0.009	0					0.07
72.083	0.00	0.01	0.009	0					0.07
72.167	0.00	0.01	0.009	0					0.07
72.250	0.00	0.01	0.009	0					0.07
72.333	0.00	0.01	0.009	0					0.07
72.417	0.00	0.01	0.009	0					0.06
72.500	0.00	0.01	0.009	0					0.06
72.583	0.00	0.01	0.009	0					0.06
72.667	0.00	0.01	0.009	0					0.06
72.750	0.00	0.01	0.009	0					0.06
72.833	0.00	0.01	0.009	0					0.06
72.917	0.00	0.01	0.009	0					0.06
73.000	0.00	0.01	0.009	0					0.06
73.083	0.00	0.01	0.008	0					0.06
73.167	0.00	0.01	0.008	0					0.06
73.250	0.00	0.01	0.008	0					0.06
73.333	0.00	0.01	0.008	0					0.06

73.417	0.00	0.01	0.008	0					0.06
73.500	0.00	0.01	0.008	0					0.06
73.583	0.00	0.01	0.008	0					0.06
73.667	0.00	0.01	0.008	0					0.06
73.750	0.00	0.01	0.008	0					0.06
73.833	0.00	0.01	0.008	0					0.06
73.917	0.00	0.01	0.008	0					0.06
74.000	0.00	0.01	0.008	0					0.06
74.083	0.00	0.01	0.008	0					0.06
74.167	0.00	0.01	0.008	0					0.06
74.250	0.00	0.01	0.008	0					0.06
74.333	0.00	0.01	0.008	0					0.06
74.417	0.00	0.01	0.008	0					0.06
74.500	0.00	0.01	0.008	0					0.06
74.583	0.00	0.01	0.008	0					0.06
74.667	0.00	0.01	0.008	0					0.06
74.750	0.00	0.01	0.008	0					0.05
74.833	0.00	0.01	0.007	0					0.05
74.917	0.00	0.01	0.007	0					0.05
75.000	0.00	0.01	0.007	0					0.05
75.083	0.00	0.01	0.007	0					0.05
75.167	0.00	0.01	0.007	0					0.05
75.250	0.00	0.01	0.007	0					0.05
75.333	0.00	0.01	0.007	0					0.05
75.417	0.00	0.01	0.007	0					0.05
75.500	0.00	0.01	0.007	0					0.05
75.583	0.00	0.01	0.007	0					0.05
75.667	0.00	0.01	0.007	0					0.05
75.750	0.00	0.01	0.007	0					0.05
75.833	0.00	0.01	0.007	0					0.05
75.917	0.00	0.01	0.007	0					0.05
76.000	0.00	0.01	0.007	0					0.05
76.083	0.00	0.01	0.007	0					0.05
76.167	0.00	0.01	0.007	0					0.05
76.250	0.00	0.01	0.007	0					0.05
76.333	0.00	0.01	0.007	0					0.05
76.417	0.00	0.01	0.007	0					0.05
76.500	0.00	0.01	0.007	0					0.05
76.583	0.00	0.01	0.007	0					0.05
76.667	0.00	0.01	0.007	0					0.05
76.750	0.00	0.01	0.007	0					0.05
76.833	0.00	0.01	0.006	0					0.05
76.917	0.00	0.01	0.006	0					0.05
77.000	0.00	0.01	0.006	0					0.05
77.083	0.00	0.01	0.006	0					0.05
77.167	0.00	0.01	0.006	0					0.05
77.250	0.00	0.01	0.006	0					0.05
77.333	0.00	0.01	0.006	0					0.05
77.417	0.00	0.01	0.006	0					0.05
77.500	0.00	0.01	0.006	0					0.05

77.583	0.00	0.01	0.006	0					0.04
77.667	0.00	0.01	0.006	0					0.04
77.750	0.00	0.01	0.006	0					0.04
77.833	0.00	0.01	0.006	0					0.04
77.917	0.00	0.01	0.006	0					0.04
78.000	0.00	0.01	0.006	0					0.04
78.083	0.00	0.01	0.006	0					0.04
78.167	0.00	0.01	0.006	0					0.04
78.250	0.00	0.01	0.006	0					0.04
78.333	0.00	0.01	0.006	0					0.04
78.417	0.00	0.00	0.006	0					0.04
78.500	0.00	0.00	0.006	0					0.04
78.583	0.00	0.00	0.006	0					0.04
78.667	0.00	0.00	0.006	0					0.04
78.750	0.00	0.00	0.006	0					0.04
78.833	0.00	0.00	0.006	0					0.04
78.917	0.00	0.00	0.006	0					0.04
79.000	0.00	0.00	0.006	0					0.04
79.083	0.00	0.00	0.006	0					0.04
79.167	0.00	0.00	0.005	0					0.04
79.250	0.00	0.00	0.005	0					0.04
79.333	0.00	0.00	0.005	0					0.04
79.417	0.00	0.00	0.005	0					0.04
79.500	0.00	0.00	0.005	0					0.04
79.583	0.00	0.00	0.005	0					0.04
79.667	0.00	0.00	0.005	0					0.04
79.750	0.00	0.00	0.005	0					0.04
79.833	0.00	0.00	0.005	0					0.04
79.917	0.00	0.00	0.005	0					0.04
80.000	0.00	0.00	0.005	0					0.04
80.083	0.00	0.00	0.005	0					0.04
80.167	0.00	0.00	0.005	0					0.04
80.250	0.00	0.00	0.005	0					0.04
80.333	0.00	0.00	0.005	0					0.04
80.417	0.00	0.00	0.005	0					0.04
80.500	0.00	0.00	0.005	0					0.04
80.583	0.00	0.00	0.005	0					0.04
80.667	0.00	0.00	0.005	0					0.04
80.750	0.00	0.00	0.005	0					0.04
80.833	0.00	0.00	0.005	0					0.04
80.917	0.00	0.00	0.005	0					0.04
81.000	0.00	0.00	0.005	0					0.04
81.083	0.00	0.00	0.005	0					0.03
81.167	0.00	0.00	0.005	0					0.03
81.250	0.00	0.00	0.005	0					0.03
81.333	0.00	0.00	0.005	0					0.03
81.417	0.00	0.00	0.005	0					0.03
81.500	0.00	0.00	0.005	0					0.03
81.583	0.00	0.00	0.005	0					0.03
81.667	0.00	0.00	0.005	0					0.03

81.750	0.00	0.00	0.005	0					0.03
81.833	0.00	0.00	0.005	0					0.03
81.917	0.00	0.00	0.005	0					0.03
82.000	0.00	0.00	0.004	0					0.03
82.083	0.00	0.00	0.004	0					0.03
82.167	0.00	0.00	0.004	0					0.03
82.250	0.00	0.00	0.004	0					0.03
82.333	0.00	0.00	0.004	0					0.03
82.417	0.00	0.00	0.004	0					0.03
82.500	0.00	0.00	0.004	0					0.03
82.583	0.00	0.00	0.004	0					0.03
82.667	0.00	0.00	0.004	0					0.03
82.750	0.00	0.00	0.004	0					0.03
82.833	0.00	0.00	0.004	0					0.03
82.917	0.00	0.00	0.004	0					0.03
83.000	0.00	0.00	0.004	0					0.03
83.083	0.00	0.00	0.004	0					0.03
83.167	0.00	0.00	0.004	0					0.03
83.250	0.00	0.00	0.004	0					0.03
83.333	0.00	0.00	0.004	0					0.03
83.417	0.00	0.00	0.004	0					0.03
83.500	0.00	0.00	0.004	0					0.03
83.583	0.00	0.00	0.004	0					0.03
83.667	0.00	0.00	0.004	0					0.03
83.750	0.00	0.00	0.004	0					0.03
83.833	0.00	0.00	0.004	0					0.03
83.917	0.00	0.00	0.004	0					0.03
84.000	0.00	0.00	0.004	0					0.03
84.083	0.00	0.00	0.004	0					0.03
84.167	0.00	0.00	0.004	0					0.03
84.250	0.00	0.00	0.004	0					0.03
84.333	0.00	0.00	0.004	0					0.03
84.417	0.00	0.00	0.004	0					0.03
84.500	0.00	0.00	0.004	0					0.03
84.583	0.00	0.00	0.004	0					0.03
84.667	0.00	0.00	0.004	0					0.03
84.750	0.00	0.00	0.004	0					0.03
84.833	0.00	0.00	0.004	0					0.03
84.917	0.00	0.00	0.004	0					0.03
85.000	0.00	0.00	0.004	0					0.03
85.083	0.00	0.00	0.004	0					0.03
85.167	0.00	0.00	0.004	0					0.03
85.250	0.00	0.00	0.004	0					0.03
85.333	0.00	0.00	0.004	0					0.03
85.417	0.00	0.00	0.004	0					0.03
85.500	0.00	0.00	0.003	0					0.03
85.583	0.00	0.00	0.003	0					0.03
85.667	0.00	0.00	0.003	0					0.03
85.750	0.00	0.00	0.003	0					0.03
85.833	0.00	0.00	0.003	0					0.02

85.917	0.00	0.00	0.003	0					0.02
86.000	0.00	0.00	0.003	0					0.02
86.083	0.00	0.00	0.003	0					0.02
86.167	0.00	0.00	0.003	0					0.02
86.250	0.00	0.00	0.003	0					0.02
86.333	0.00	0.00	0.003	0					0.02
86.417	0.00	0.00	0.003	0					0.02
86.500	0.00	0.00	0.003	0					0.02
86.583	0.00	0.00	0.003	0					0.02
86.667	0.00	0.00	0.003	0					0.02
86.750	0.00	0.00	0.003	0					0.02
86.833	0.00	0.00	0.003	0					0.02
86.917	0.00	0.00	0.003	0					0.02
87.000	0.00	0.00	0.003	0					0.02
87.083	0.00	0.00	0.003	0					0.02
87.167	0.00	0.00	0.003	0					0.02
87.250	0.00	0.00	0.003	0					0.02
87.333	0.00	0.00	0.003	0					0.02
87.417	0.00	0.00	0.003	0					0.02
87.500	0.00	0.00	0.003	0					0.02
87.583	0.00	0.00	0.003	0					0.02
87.667	0.00	0.00	0.003	0					0.02
87.750	0.00	0.00	0.003	0					0.02
87.833	0.00	0.00	0.003	0					0.02
87.917	0.00	0.00	0.003	0					0.02
88.000	0.00	0.00	0.003	0					0.02
88.083	0.00	0.00	0.003	0					0.02
88.167	0.00	0.00	0.003	0					0.02
88.250	0.00	0.00	0.003	0					0.02
88.333	0.00	0.00	0.003	0					0.02
88.417	0.00	0.00	0.003	0					0.02
88.500	0.00	0.00	0.003	0					0.02
88.583	0.00	0.00	0.003	0					0.02
88.667	0.00	0.00	0.003	0					0.02
88.750	0.00	0.00	0.003	0					0.02
88.833	0.00	0.00	0.003	0					0.02
88.917	0.00	0.00	0.003	0					0.02
89.000	0.00	0.00	0.003	0					0.02
89.083	0.00	0.00	0.003	0					0.02
89.167	0.00	0.00	0.003	0					0.02
89.250	0.00	0.00	0.003	0					0.02
89.333	0.00	0.00	0.003	0					0.02
89.417	0.00	0.00	0.003	0					0.02
89.500	0.00	0.00	0.003	0					0.02
89.583	0.00	0.00	0.003	0					0.02
89.667	0.00	0.00	0.003	0					0.02
89.750	0.00	0.00	0.003	0					0.02
89.833	0.00	0.00	0.003	0					0.02
89.917	0.00	0.00	0.003	0					0.02
90.000	0.00	0.00	0.003	0					0.02

90.083	0.00	0.00	0.003	0					0.02
90.167	0.00	0.00	0.003	0					0.02
90.250	0.00	0.00	0.002	0					0.02
90.333	0.00	0.00	0.002	0					0.02
90.417	0.00	0.00	0.002	0					0.02
90.500	0.00	0.00	0.002	0					0.02
90.583	0.00	0.00	0.002	0					0.02
90.667	0.00	0.00	0.002	0					0.02
90.750	0.00	0.00	0.002	0					0.02
90.833	0.00	0.00	0.002	0					0.02
90.917	0.00	0.00	0.002	0					0.02
91.000	0.00	0.00	0.002	0					0.02
91.083	0.00	0.00	0.002	0					0.02
91.167	0.00	0.00	0.002	0					0.02
91.250	0.00	0.00	0.002	0					0.02
91.333	0.00	0.00	0.002	0					0.02
91.417	0.00	0.00	0.002	0					0.02
91.500	0.00	0.00	0.002	0					0.02
91.583	0.00	0.00	0.002	0					0.02
91.667	0.00	0.00	0.002	0					0.02
91.750	0.00	0.00	0.002	0					0.02
91.833	0.00	0.00	0.002	0					0.02
91.917	0.00	0.00	0.002	0					0.02
92.000	0.00	0.00	0.002	0					0.02
92.083	0.00	0.00	0.002	0					0.02
92.167	0.00	0.00	0.002	0					0.02
92.250	0.00	0.00	0.002	0					0.02
92.333	0.00	0.00	0.002	0					0.02
92.417	0.00	0.00	0.002	0					0.02
92.500	0.00	0.00	0.002	0					0.02
92.583	0.00	0.00	0.002	0					0.02
92.667	0.00	0.00	0.002	0					0.02
92.750	0.00	0.00	0.002	0					0.02
92.833	0.00	0.00	0.002	0					0.02
92.917	0.00	0.00	0.002	0					0.02
93.000	0.00	0.00	0.002	0					0.01
93.083	0.00	0.00	0.002	0					0.01
93.167	0.00	0.00	0.002	0					0.01
93.250	0.00	0.00	0.002	0					0.01
93.333	0.00	0.00	0.002	0					0.01
93.417	0.00	0.00	0.002	0					0.01
93.500	0.00	0.00	0.002	0					0.01
93.583	0.00	0.00	0.002	0					0.01
93.667	0.00	0.00	0.002	0					0.01
93.750	0.00	0.00	0.002	0					0.01
93.833	0.00	0.00	0.002	0					0.01
93.917	0.00	0.00	0.002	0					0.01
94.000	0.00	0.00	0.002	0					0.01
94.083	0.00	0.00	0.002	0					0.01
94.167	0.00	0.00	0.002	0					0.01

94.250	0.00	0.00	0.002	0					0.01
94.333	0.00	0.00	0.002	0					0.01
94.417	0.00	0.00	0.002	0					0.01
94.500	0.00	0.00	0.002	0					0.01
94.583	0.00	0.00	0.002	0					0.01
94.667	0.00	0.00	0.002	0					0.01
94.750	0.00	0.00	0.002	0					0.01
94.833	0.00	0.00	0.002	0					0.01
94.917	0.00	0.00	0.002	0					0.01
95.000	0.00	0.00	0.002	0					0.01
95.083	0.00	0.00	0.002	0					0.01
95.167	0.00	0.00	0.002	0					0.01
95.250	0.00	0.00	0.002	0					0.01
95.333	0.00	0.00	0.002	0					0.01
95.417	0.00	0.00	0.002	0					0.01
95.500	0.00	0.00	0.002	0					0.01
95.583	0.00	0.00	0.002	0					0.01
95.667	0.00	0.00	0.002	0					0.01
95.750	0.00	0.00	0.002	0					0.01
95.833	0.00	0.00	0.002	0					0.01
95.917	0.00	0.00	0.002	0					0.01
96.000	0.00	0.00	0.002	0					0.01
96.083	0.00	0.00	0.002	0					0.01
96.167	0.00	0.00	0.002	0					0.01
96.250	0.00	0.00	0.002	0					0.01
96.333	0.00	0.00	0.002	0					0.01
96.417	0.00	0.00	0.002	0					0.01
96.500	0.00	0.00	0.002	0					0.01
96.583	0.00	0.00	0.002	0					0.01
96.667	0.00	0.00	0.002	0					0.01
96.750	0.00	0.00	0.002	0					0.01
96.833	0.00	0.00	0.002	0					0.01
96.917	0.00	0.00	0.002	0					0.01
97.000	0.00	0.00	0.002	0					0.01
97.083	0.00	0.00	0.002	0					0.01
97.167	0.00	0.00	0.002	0					0.01
97.250	0.00	0.00	0.002	0					0.01
97.333	0.00	0.00	0.002	0					0.01
97.417	0.00	0.00	0.001	0					0.01
97.500	0.00	0.00	0.001	0					0.01
97.583	0.00	0.00	0.001	0					0.01
97.667	0.00	0.00	0.001	0					0.01
97.750	0.00	0.00	0.001	0					0.01
97.833	0.00	0.00	0.001	0					0.01
97.917	0.00	0.00	0.001	0					0.01
98.000	0.00	0.00	0.001	0					0.01
98.083	0.00	0.00	0.001	0					0.01
98.167	0.00	0.00	0.001	0					0.01
98.250	0.00	0.00	0.001	0					0.01
98.333	0.00	0.00	0.001	0					0.01

98.417	0.00	0.00	0.001	0					0.01
98.500	0.00	0.00	0.001	0					0.01
98.583	0.00	0.00	0.001	0					0.01
98.667	0.00	0.00	0.001	0					0.01
98.750	0.00	0.00	0.001	0					0.01
98.833	0.00	0.00	0.001	0					0.01
98.917	0.00	0.00	0.001	0					0.01
99.000	0.00	0.00	0.001	0					0.01
99.083	0.00	0.00	0.001	0					0.01
99.167	0.00	0.00	0.001	0					0.01
99.250	0.00	0.00	0.001	0					0.01
99.333	0.00	0.00	0.001	0					0.01
99.417	0.00	0.00	0.001	0					0.01
99.500	0.00	0.00	0.001	0					0.01
99.583	0.00	0.00	0.001	0					0.01
99.667	0.00	0.00	0.001	0					0.01
99.750	0.00	0.00	0.001	0					0.01
99.833	0.00	0.00	0.001	0					0.01
99.917	0.00	0.00	0.001	0					0.01
100.000	0.00	0.00	0.001	0					0.01
100.083	0.00	0.00	0.001	0					0.01
100.167	0.00	0.00	0.001	0					0.01
100.250	0.00	0.00	0.001	0					0.01
100.333	0.00	0.00	0.001	0					0.01
100.417	0.00	0.00	0.001	0					0.01
100.500	0.00	0.00	0.001	0					0.01
100.583	0.00	0.00	0.001	0					0.01
100.667	0.00	0.00	0.001	0					0.01
100.750	0.00	0.00	0.001	0					0.01
100.833	0.00	0.00	0.001	0					0.01
100.917	0.00	0.00	0.001	0					0.01
101.000	0.00	0.00	0.001	0					0.01

Remaining water in basin = 0.00 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 1212

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 1.493 (CFS)

Total volume = 0.803 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 03/14/22

Jana Commercial Development
Post Development
100 yr 6 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: janapost6100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 84
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 7.354 (CFS)
Total volume = 1.098 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 84
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.137	0.118	0.137	0.137
2.000	0.274	0.170	0.273	0.275
4.000	0.548	0.244	0.547	0.549
6.000	0.823	2.414	0.815	0.831
8.000	1.097	4.459	1.082	1.112

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.8	3.68	5.52	7.35	Depth (Ft.)
0.083	0.07	0.00	0.000	O					0.00
0.167	0.35	0.00	0.002	O I					0.01
0.250	0.59	0.00	0.005	O I					0.04
0.333	0.70	0.01	0.009	O I					0.07
0.417	0.76	0.01	0.014	O I					0.10
0.500	0.81	0.02	0.020	O I					0.14
0.583	0.90	0.02	0.025	O I					0.19
0.667	0.96	0.03	0.032	O I					0.23
0.750	0.99	0.03	0.038	O I					0.28
0.833	1.01	0.04	0.045	O I					0.33
0.917	1.03	0.04	0.052	O I					0.38
1.000	1.05	0.05	0.058	O I					0.43
1.083	1.12	0.06	0.066	O I					0.48
1.167	1.17	0.06	0.073	O I					0.53
1.250	1.19	0.07	0.081	O I					0.59
1.333	1.20	0.08	0.088	O I					0.65
1.417	1.21	0.08	0.096	O I					0.70
1.500	1.21	0.09	0.104	O I					0.76
1.583	1.21	0.10	0.112	O I					0.81
1.667	1.22	0.10	0.119	O I					0.87
1.750	1.22	0.11	0.127	O I					0.93
1.833	1.22	0.12	0.135	O I					0.98
1.917	1.22	0.12	0.142	O I					1.04
2.000	1.24	0.12	0.150	O I					1.09
2.083	1.29	0.13	0.158	O I					1.15
2.167	1.28	0.13	0.166	O I					1.21
2.250	1.32	0.13	0.174	O I					1.27
2.333	1.35	0.14	0.182	O I					1.33
2.417	1.37	0.14	0.190	O I					1.39
2.500	1.37	0.14	0.199	O I					1.45

2.583	1.38	0.14	0.207	0	I						1.51
2.667	1.38	0.15	0.216	0	I						1.58
2.750	1.40	0.15	0.224	0	I						1.64
2.833	1.47	0.15	0.233	0	I						1.70
2.917	1.51	0.16	0.242	0	I						1.77
3.000	1.53	0.16	0.252	0	I						1.84
3.083	1.54	0.17	0.261	0	I						1.91
3.167	1.56	0.17	0.271	0	I						1.98
3.250	1.63	0.17	0.280	0	I						2.05
3.333	1.67	0.17	0.291	0	I						2.12
3.417	1.71	0.18	0.301	0	I						2.20
3.500	1.80	0.18	0.312	0	I						2.28
3.583	1.92	0.18	0.323	0	I						2.36
3.667	2.05	0.19	0.336	0	I						2.45
3.750	2.14	0.19	0.349	0		I					2.55
3.833	2.24	0.19	0.363	0		I					2.65
3.917	2.32	0.20	0.377	0		I					2.75
4.000	2.41	0.20	0.392	0		I					2.86
4.083	2.49	0.21	0.407	0		I					2.97
4.167	2.60	0.21	0.423	0			I				3.09
4.250	2.74	0.21	0.440	0			I				3.21
4.333	2.89	0.22	0.458	0			I				3.34
4.417	3.05	0.22	0.477	0			I				3.48
4.500	3.19	0.23	0.497	0			I				3.63
4.583	3.29	0.24	0.518	0			I				3.78
4.667	3.41	0.24	0.539	0			I				3.94
4.750	3.56	0.35	0.561	0			I				4.10
4.833	3.70	0.52	0.583	0			I				4.26
4.917	3.80	0.69	0.605	0			I				4.41
5.000	3.92	0.86	0.626	0			I				4.57
5.083	4.13	1.03	0.647	0			I				4.72
5.167	4.60	1.20	0.670	0				I			4.88
5.250	5.21	1.40	0.694	0				I			5.07
5.333	5.76	1.62	0.722	0					I		5.26
5.417	6.30	1.85	0.752	0					I		5.48
5.500	7.02	2.10	0.784	0						I	5.71
5.583	7.35	2.37	0.818	0						I	5.96
5.667	5.42	2.58	0.845	0				I			6.16
5.750	3.46	2.67	0.857	0		I					6.25
5.833	2.41	2.68	0.859	0		I					6.26
5.917	1.79	2.65	0.855	0		I					6.24
6.000	1.32	2.60	0.848	0		I					6.18
6.083	0.96	2.53	0.838	0		I					6.11
6.167	0.64	2.44	0.826	0		I					6.03
6.250	0.42	2.34	0.814	0		I					5.93
6.333	0.28	2.23	0.800	0		I					5.83
6.417	0.19	2.13	0.787	0		I					5.74
6.500	0.11	2.02	0.774	0		I					5.64
6.583	0.05	1.92	0.761	0		I					5.55
6.667	0.03	1.82	0.748	0		I					5.45

6.750	0.02	1.73	0.736	I	0					5.37
6.833	0.01	1.64	0.724	I	0					5.28
6.917	0.00	1.55	0.714	I	0					5.20
7.000	0.00	1.47	0.703	I	0					5.13
7.083	0.00	1.39	0.693	I	0					5.06
7.167	0.00	1.32	0.684	I	0					4.99
7.250	0.00	1.25	0.675	I	0					4.92
7.333	0.00	1.18	0.667	I	0					4.86
7.417	0.00	1.12	0.659	I	0					4.81
7.500	0.00	1.06	0.651	I	0					4.75
7.583	0.00	1.00	0.644	I	0					4.70
7.667	0.00	0.95	0.638	I	0					4.65
7.750	0.00	0.90	0.631	I	0					4.60
7.833	0.00	0.85	0.625	I	0					4.56
7.917	0.00	0.81	0.619	I	0					4.52
8.000	0.00	0.76	0.614	I	0					4.48
8.083	0.00	0.72	0.609	I	0					4.44
8.167	0.00	0.69	0.604	I	0					4.41
8.250	0.00	0.65	0.599	I	0					4.37
8.333	0.00	0.62	0.595	I	0					4.34
8.417	0.00	0.58	0.591	I	0					4.31
8.500	0.00	0.55	0.587	I	0					4.28
8.583	0.00	0.52	0.583	I	0					4.26
8.667	0.00	0.50	0.580	I	0					4.23
8.750	0.00	0.47	0.576	I	0					4.21
8.833	0.00	0.44	0.573	IO						4.18
8.917	0.00	0.42	0.570	IO						4.16
9.000	0.00	0.40	0.568	IO						4.14
9.083	0.00	0.38	0.565	IO						4.12
9.167	0.00	0.36	0.562	IO						4.10
9.250	0.00	0.34	0.560	IO						4.09
9.333	0.00	0.32	0.558	IO						4.07
9.417	0.00	0.30	0.556	IO						4.05
9.500	0.00	0.29	0.554	IO						4.04
9.583	0.00	0.27	0.552	IO						4.03
9.667	0.00	0.26	0.550	IO						4.01
9.750	0.00	0.24	0.548	IO						4.00
9.833	0.00	0.24	0.546	IO						3.99
9.917	0.00	0.24	0.545	IO						3.98
10.000	0.00	0.24	0.543	IO						3.96
10.083	0.00	0.24	0.541	IO						3.95
10.167	0.00	0.24	0.540	IO						3.94
10.250	0.00	0.24	0.538	IO						3.93
10.333	0.00	0.24	0.536	IO						3.91
10.417	0.00	0.24	0.535	IO						3.90
10.500	0.00	0.24	0.533	IO						3.89
10.583	0.00	0.24	0.531	IO						3.88
10.667	0.00	0.24	0.530	IO						3.87
10.750	0.00	0.24	0.528	IO						3.85
10.833	0.00	0.24	0.526	IO						3.84

10.917	0.00	0.24	0.525	IO					3.83
11.000	0.00	0.24	0.523	IO					3.82
11.083	0.00	0.24	0.522	IO					3.81
11.167	0.00	0.24	0.520	IO					3.79
11.250	0.00	0.24	0.518	IO					3.78
11.333	0.00	0.24	0.517	IO					3.77
11.417	0.00	0.24	0.515	IO					3.76
11.500	0.00	0.23	0.513	IO					3.75
11.583	0.00	0.23	0.512	IO					3.74
11.667	0.00	0.23	0.510	IO					3.72
11.750	0.00	0.23	0.509	IO					3.71
11.833	0.00	0.23	0.507	IO					3.70
11.917	0.00	0.23	0.505	IO					3.69
12.000	0.00	0.23	0.504	IO					3.68
12.083	0.00	0.23	0.502	IO					3.67
12.167	0.00	0.23	0.501	IO					3.65
12.250	0.00	0.23	0.499	IO					3.64
12.333	0.00	0.23	0.497	IO					3.63
12.417	0.00	0.23	0.496	IO					3.62
12.500	0.00	0.23	0.494	O					3.61
12.583	0.00	0.23	0.493	O					3.60
12.667	0.00	0.23	0.491	O					3.58
12.750	0.00	0.23	0.490	O					3.57
12.833	0.00	0.23	0.488	O					3.56
12.917	0.00	0.23	0.486	O					3.55
13.000	0.00	0.23	0.485	O					3.54
13.083	0.00	0.23	0.483	O					3.53
13.167	0.00	0.23	0.482	O					3.52
13.250	0.00	0.23	0.480	O					3.50
13.333	0.00	0.23	0.479	O					3.49
13.417	0.00	0.22	0.477	O					3.48
13.500	0.00	0.22	0.475	O					3.47
13.583	0.00	0.22	0.474	O					3.46
13.667	0.00	0.22	0.472	O					3.45
13.750	0.00	0.22	0.471	O					3.44
13.833	0.00	0.22	0.469	O					3.43
13.917	0.00	0.22	0.468	O					3.41
14.000	0.00	0.22	0.466	O					3.40
14.083	0.00	0.22	0.465	O					3.39
14.167	0.00	0.22	0.463	O					3.38
14.250	0.00	0.22	0.462	O					3.37
14.333	0.00	0.22	0.460	O					3.36
14.417	0.00	0.22	0.459	O					3.35
14.500	0.00	0.22	0.457	O					3.34
14.583	0.00	0.22	0.456	O					3.33
14.667	0.00	0.22	0.454	O					3.31
14.750	0.00	0.22	0.453	O					3.30
14.833	0.00	0.22	0.451	O					3.29
14.917	0.00	0.22	0.450	O					3.28
15.000	0.00	0.22	0.448	O					3.27

15.083	0.00	0.22	0.447	0					3.26
15.167	0.00	0.22	0.445	0					3.25
15.250	0.00	0.22	0.444	0					3.24
15.333	0.00	0.22	0.442	0					3.23
15.417	0.00	0.22	0.441	0					3.22
15.500	0.00	0.21	0.439	0					3.21
15.583	0.00	0.21	0.438	0					3.20
15.667	0.00	0.21	0.436	0					3.18
15.750	0.00	0.21	0.435	0					3.17
15.833	0.00	0.21	0.433	0					3.16
15.917	0.00	0.21	0.432	0					3.15
16.000	0.00	0.21	0.430	0					3.14
16.083	0.00	0.21	0.429	0					3.13
16.167	0.00	0.21	0.427	0					3.12
16.250	0.00	0.21	0.426	0					3.11
16.333	0.00	0.21	0.425	0					3.10
16.417	0.00	0.21	0.423	0					3.09
16.500	0.00	0.21	0.422	0					3.08
16.583	0.00	0.21	0.420	0					3.07
16.667	0.00	0.21	0.419	0					3.06
16.750	0.00	0.21	0.417	0					3.05
16.833	0.00	0.21	0.416	0					3.04
16.917	0.00	0.21	0.414	0					3.03
17.000	0.00	0.21	0.413	0					3.01
17.083	0.00	0.21	0.412	0					3.00
17.167	0.00	0.21	0.410	0					2.99
17.250	0.00	0.21	0.409	0					2.98
17.333	0.00	0.21	0.407	0					2.97
17.417	0.00	0.21	0.406	0					2.96
17.500	0.00	0.21	0.405	0					2.95
17.583	0.00	0.20	0.403	0					2.94
17.667	0.00	0.20	0.402	0					2.93
17.750	0.00	0.20	0.400	0					2.92
17.833	0.00	0.20	0.399	0					2.91
17.917	0.00	0.20	0.397	0					2.90
18.000	0.00	0.20	0.396	0					2.89
18.083	0.00	0.20	0.395	0					2.88
18.167	0.00	0.20	0.393	0					2.87
18.250	0.00	0.20	0.392	0					2.86
18.333	0.00	0.20	0.391	0					2.85
18.417	0.00	0.20	0.389	0					2.84
18.500	0.00	0.20	0.388	0					2.83
18.583	0.00	0.20	0.386	0					2.82
18.667	0.00	0.20	0.385	0					2.81
18.750	0.00	0.20	0.384	0					2.80
18.833	0.00	0.20	0.382	0					2.79
18.917	0.00	0.20	0.381	0					2.78
19.000	0.00	0.20	0.379	0					2.77
19.083	0.00	0.20	0.378	0					2.76
19.167	0.00	0.20	0.377	0					2.75

19.250	0.00	0.20	0.375	0					2.74
19.333	0.00	0.20	0.374	0					2.73
19.417	0.00	0.20	0.373	0					2.72
19.500	0.00	0.20	0.371	0					2.71
19.583	0.00	0.20	0.370	0					2.70
19.667	0.00	0.20	0.369	0					2.69
19.750	0.00	0.20	0.367	0					2.68
19.833	0.00	0.19	0.366	0					2.67
19.917	0.00	0.19	0.365	0					2.66
20.000	0.00	0.19	0.363	0					2.65
20.083	0.00	0.19	0.362	0					2.64
20.167	0.00	0.19	0.361	0					2.63
20.250	0.00	0.19	0.359	0					2.62
20.333	0.00	0.19	0.358	0					2.61
20.417	0.00	0.19	0.357	0					2.60
20.500	0.00	0.19	0.355	0					2.59
20.583	0.00	0.19	0.354	0					2.58
20.667	0.00	0.19	0.353	0					2.57
20.750	0.00	0.19	0.351	0					2.56
20.833	0.00	0.19	0.350	0					2.55
20.917	0.00	0.19	0.349	0					2.55
21.000	0.00	0.19	0.347	0					2.54
21.083	0.00	0.19	0.346	0					2.53
21.167	0.00	0.19	0.345	0					2.52
21.250	0.00	0.19	0.343	0					2.51
21.333	0.00	0.19	0.342	0					2.50
21.417	0.00	0.19	0.341	0					2.49
21.500	0.00	0.19	0.340	0					2.48
21.583	0.00	0.19	0.338	0					2.47
21.667	0.00	0.19	0.337	0					2.46
21.750	0.00	0.19	0.336	0					2.45
21.833	0.00	0.19	0.334	0					2.44
21.917	0.00	0.19	0.333	0					2.43
22.000	0.00	0.19	0.332	0					2.42
22.083	0.00	0.19	0.331	0					2.41
22.167	0.00	0.18	0.329	0					2.40
22.250	0.00	0.18	0.328	0					2.39
22.333	0.00	0.18	0.327	0					2.39
22.417	0.00	0.18	0.326	0					2.38
22.500	0.00	0.18	0.324	0					2.37
22.583	0.00	0.18	0.323	0					2.36
22.667	0.00	0.18	0.322	0					2.35
22.750	0.00	0.18	0.320	0					2.34
22.833	0.00	0.18	0.319	0					2.33
22.917	0.00	0.18	0.318	0					2.32
23.000	0.00	0.18	0.317	0					2.31
23.083	0.00	0.18	0.315	0					2.30
23.167	0.00	0.18	0.314	0					2.29
23.250	0.00	0.18	0.313	0					2.28
23.333	0.00	0.18	0.312	0					2.28

23.417	0.00	0.18	0.310	0					2.27
23.500	0.00	0.18	0.309	0					2.26
23.583	0.00	0.18	0.308	0					2.25
23.667	0.00	0.18	0.307	0					2.24
23.750	0.00	0.18	0.306	0					2.23
23.833	0.00	0.18	0.304	0					2.22
23.917	0.00	0.18	0.303	0					2.21
24.000	0.00	0.18	0.302	0					2.20
24.083	0.00	0.18	0.301	0					2.19
24.167	0.00	0.18	0.299	0					2.19
24.250	0.00	0.18	0.298	0					2.18
24.333	0.00	0.18	0.297	0					2.17
24.417	0.00	0.18	0.296	0					2.16
24.500	0.00	0.18	0.295	0					2.15
24.583	0.00	0.18	0.293	0					2.14
24.667	0.00	0.17	0.292	0					2.13
24.750	0.00	0.17	0.291	0					2.12
24.833	0.00	0.17	0.290	0					2.12
24.917	0.00	0.17	0.289	0					2.11
25.000	0.00	0.17	0.287	0					2.10
25.083	0.00	0.17	0.286	0					2.09
25.167	0.00	0.17	0.285	0					2.08
25.250	0.00	0.17	0.284	0					2.07
25.333	0.00	0.17	0.283	0					2.06
25.417	0.00	0.17	0.281	0					2.05
25.500	0.00	0.17	0.280	0					2.05
25.583	0.00	0.17	0.279	0					2.04
25.667	0.00	0.17	0.278	0					2.03
25.750	0.00	0.17	0.277	0					2.02
25.833	0.00	0.17	0.276	0					2.01
25.917	0.00	0.17	0.274	0					2.00
26.000	0.00	0.17	0.273	0					1.99
26.083	0.00	0.17	0.272	0					1.99
26.167	0.00	0.17	0.271	0					1.98
26.250	0.00	0.17	0.270	0					1.97
26.333	0.00	0.17	0.269	0					1.96
26.417	0.00	0.17	0.267	0					1.95
26.500	0.00	0.17	0.266	0					1.94
26.583	0.00	0.17	0.265	0					1.93
26.667	0.00	0.17	0.264	0					1.93
26.750	0.00	0.17	0.263	0					1.92
26.833	0.00	0.17	0.262	0					1.91
26.917	0.00	0.16	0.261	0					1.90
27.000	0.00	0.16	0.259	0					1.89
27.083	0.00	0.16	0.258	0					1.88
27.167	0.00	0.16	0.257	0					1.88
27.250	0.00	0.16	0.256	0					1.87
27.333	0.00	0.16	0.255	0					1.86
27.417	0.00	0.16	0.254	0					1.85
27.500	0.00	0.16	0.253	0					1.84

27.583	0.00	0.16	0.252	0					1.84
27.667	0.00	0.16	0.250	0					1.83
27.750	0.00	0.16	0.249	0					1.82
27.833	0.00	0.16	0.248	0					1.81
27.917	0.00	0.16	0.247	0					1.80
28.000	0.00	0.16	0.246	0					1.80
28.083	0.00	0.16	0.245	0					1.79
28.167	0.00	0.16	0.244	0					1.78
28.250	0.00	0.16	0.243	0					1.77
28.333	0.00	0.16	0.242	0					1.76
28.417	0.00	0.16	0.241	0					1.76
28.500	0.00	0.16	0.239	0					1.75
28.583	0.00	0.16	0.238	0					1.74
28.667	0.00	0.16	0.237	0					1.73
28.750	0.00	0.16	0.236	0					1.72
28.833	0.00	0.16	0.235	0					1.72
28.917	0.00	0.15	0.234	0					1.71
29.000	0.00	0.15	0.233	0					1.70
29.083	0.00	0.15	0.232	0					1.69
29.167	0.00	0.15	0.231	0					1.69
29.250	0.00	0.15	0.230	0					1.68
29.333	0.00	0.15	0.229	0					1.67
29.417	0.00	0.15	0.228	0					1.66
29.500	0.00	0.15	0.227	0					1.65
29.583	0.00	0.15	0.226	0					1.65
29.667	0.00	0.15	0.225	0					1.64
29.750	0.00	0.15	0.224	0					1.63
29.833	0.00	0.15	0.223	0					1.62
29.917	0.00	0.15	0.221	0					1.62
30.000	0.00	0.15	0.220	0					1.61
30.083	0.00	0.15	0.219	0					1.60
30.167	0.00	0.15	0.218	0					1.59
30.250	0.00	0.15	0.217	0					1.59
30.333	0.00	0.15	0.216	0					1.58
30.417	0.00	0.15	0.215	0					1.57
30.500	0.00	0.15	0.214	0					1.56
30.583	0.00	0.15	0.213	0					1.56
30.667	0.00	0.15	0.212	0					1.55
30.750	0.00	0.15	0.211	0					1.54
30.833	0.00	0.15	0.210	0					1.53
30.917	0.00	0.15	0.209	0					1.53
31.000	0.00	0.15	0.208	0					1.52
31.083	0.00	0.14	0.207	0					1.51
31.167	0.00	0.14	0.206	0					1.51
31.250	0.00	0.14	0.205	0					1.50
31.333	0.00	0.14	0.204	0					1.49
31.417	0.00	0.14	0.203	0					1.48
31.500	0.00	0.14	0.202	0					1.48
31.583	0.00	0.14	0.201	0					1.47
31.667	0.00	0.14	0.200	0					1.46

31.750	0.00	0.14	0.199	0					1.46
31.833	0.00	0.14	0.198	0					1.45
31.917	0.00	0.14	0.197	0					1.44
32.000	0.00	0.14	0.196	0					1.43
32.083	0.00	0.14	0.196	0					1.43
32.167	0.00	0.14	0.195	0					1.42
32.250	0.00	0.14	0.194	0					1.41
32.333	0.00	0.14	0.193	0					1.41
32.417	0.00	0.14	0.192	0					1.40
32.500	0.00	0.14	0.191	0					1.39
32.583	0.00	0.14	0.190	0					1.39
32.667	0.00	0.14	0.189	0					1.38
32.750	0.00	0.14	0.188	0					1.37
32.833	0.00	0.14	0.187	0					1.36
32.917	0.00	0.14	0.186	0					1.36
33.000	0.00	0.14	0.185	0					1.35
33.083	0.00	0.14	0.184	0					1.34
33.167	0.00	0.14	0.183	0					1.34
33.250	0.00	0.14	0.182	0					1.33
33.333	0.00	0.13	0.181	0					1.32
33.417	0.00	0.13	0.180	0					1.32
33.500	0.00	0.13	0.179	0					1.31
33.583	0.00	0.13	0.179	0					1.30
33.667	0.00	0.13	0.178	0					1.30
33.750	0.00	0.13	0.177	0					1.29
33.833	0.00	0.13	0.176	0					1.28
33.917	0.00	0.13	0.175	0					1.28
34.000	0.00	0.13	0.174	0					1.27
34.083	0.00	0.13	0.173	0					1.26
34.167	0.00	0.13	0.172	0					1.26
34.250	0.00	0.13	0.171	0					1.25
34.333	0.00	0.13	0.170	0					1.24
34.417	0.00	0.13	0.169	0					1.24
34.500	0.00	0.13	0.169	0					1.23
34.583	0.00	0.13	0.168	0					1.22
34.667	0.00	0.13	0.167	0					1.22
34.750	0.00	0.13	0.166	0					1.21
34.833	0.00	0.13	0.165	0					1.20
34.917	0.00	0.13	0.164	0					1.20
35.000	0.00	0.13	0.163	0					1.19
35.083	0.00	0.13	0.162	0					1.18
35.167	0.00	0.13	0.161	0					1.18
35.250	0.00	0.13	0.161	0					1.17
35.333	0.00	0.13	0.160	0					1.17
35.417	0.00	0.13	0.159	0					1.16
35.500	0.00	0.13	0.158	0					1.15
35.583	0.00	0.13	0.157	0					1.15
35.667	0.00	0.13	0.156	0					1.14
35.750	0.00	0.12	0.155	0					1.13
35.833	0.00	0.12	0.155	0					1.13

35.917	0.00	0.12	0.154	0					1.12
36.000	0.00	0.12	0.153	0					1.12
36.083	0.00	0.12	0.152	0					1.11
36.167	0.00	0.12	0.151	0					1.10
36.250	0.00	0.12	0.150	0					1.10
36.333	0.00	0.12	0.149	0					1.09
36.417	0.00	0.12	0.149	0					1.08
36.500	0.00	0.12	0.148	0					1.08
36.583	0.00	0.12	0.147	0					1.07
36.667	0.00	0.12	0.146	0					1.07
36.750	0.00	0.12	0.145	0					1.06
36.833	0.00	0.12	0.144	0					1.05
36.917	0.00	0.12	0.144	0					1.05
37.000	0.00	0.12	0.143	0					1.04
37.083	0.00	0.12	0.142	0					1.04
37.167	0.00	0.12	0.141	0					1.03
37.250	0.00	0.12	0.140	0					1.02
37.333	0.00	0.12	0.139	0					1.02
37.417	0.00	0.12	0.139	0					1.01
37.500	0.00	0.12	0.138	0					1.01
37.583	0.00	0.12	0.137	0					1.00
37.667	0.00	0.12	0.136	0					0.99
37.750	0.00	0.12	0.135	0					0.99
37.833	0.00	0.12	0.135	0					0.98
37.917	0.00	0.12	0.134	0					0.98
38.000	0.00	0.11	0.133	0					0.97
38.083	0.00	0.11	0.132	0					0.96
38.167	0.00	0.11	0.131	0					0.96
38.250	0.00	0.11	0.131	0					0.95
38.333	0.00	0.11	0.130	0					0.95
38.417	0.00	0.11	0.129	0					0.94
38.500	0.00	0.11	0.128	0					0.94
38.583	0.00	0.11	0.128	0					0.93
38.667	0.00	0.11	0.127	0					0.93
38.750	0.00	0.11	0.126	0					0.92
38.833	0.00	0.11	0.125	0					0.91
38.917	0.00	0.11	0.125	0					0.91
39.000	0.00	0.11	0.124	0					0.90
39.083	0.00	0.11	0.123	0					0.90
39.167	0.00	0.11	0.122	0					0.89
39.250	0.00	0.10	0.122	0					0.89
39.333	0.00	0.10	0.121	0					0.88
39.417	0.00	0.10	0.120	0					0.88
39.500	0.00	0.10	0.120	0					0.87
39.583	0.00	0.10	0.119	0					0.87
39.667	0.00	0.10	0.118	0					0.86
39.750	0.00	0.10	0.117	0					0.86
39.833	0.00	0.10	0.117	0					0.85
39.917	0.00	0.10	0.116	0					0.85
40.000	0.00	0.10	0.115	0					0.84

40.083	0.00	0.10	0.115	0					0.84
40.167	0.00	0.10	0.114	0					0.83
40.250	0.00	0.10	0.113	0					0.83
40.333	0.00	0.10	0.113	0					0.82
40.417	0.00	0.10	0.112	0					0.82
40.500	0.00	0.10	0.111	0					0.81
40.583	0.00	0.10	0.111	0					0.81
40.667	0.00	0.09	0.110	0					0.80
40.750	0.00	0.09	0.109	0					0.80
40.833	0.00	0.09	0.109	0					0.79
40.917	0.00	0.09	0.108	0					0.79
41.000	0.00	0.09	0.107	0					0.78
41.083	0.00	0.09	0.107	0					0.78
41.167	0.00	0.09	0.106	0					0.77
41.250	0.00	0.09	0.106	0					0.77
41.333	0.00	0.09	0.105	0					0.77
41.417	0.00	0.09	0.104	0					0.76
41.500	0.00	0.09	0.104	0					0.76
41.583	0.00	0.09	0.103	0					0.75
41.667	0.00	0.09	0.102	0					0.75
41.750	0.00	0.09	0.102	0					0.74
41.833	0.00	0.09	0.101	0					0.74
41.917	0.00	0.09	0.101	0					0.73
42.000	0.00	0.09	0.100	0					0.73
42.083	0.00	0.09	0.099	0					0.73
42.167	0.00	0.09	0.099	0					0.72
42.250	0.00	0.08	0.098	0					0.72
42.333	0.00	0.08	0.098	0					0.71
42.417	0.00	0.08	0.097	0					0.71
42.500	0.00	0.08	0.097	0					0.70
42.583	0.00	0.08	0.096	0					0.70
42.667	0.00	0.08	0.095	0					0.70
42.750	0.00	0.08	0.095	0					0.69
42.833	0.00	0.08	0.094	0					0.69
42.917	0.00	0.08	0.094	0					0.68
43.000	0.00	0.08	0.093	0					0.68
43.083	0.00	0.08	0.093	0					0.68
43.167	0.00	0.08	0.092	0					0.67
43.250	0.00	0.08	0.092	0					0.67
43.333	0.00	0.08	0.091	0					0.66
43.417	0.00	0.08	0.090	0					0.66
43.500	0.00	0.08	0.090	0					0.66
43.583	0.00	0.08	0.089	0					0.65
43.667	0.00	0.08	0.089	0					0.65
43.750	0.00	0.08	0.088	0					0.64
43.833	0.00	0.08	0.088	0					0.64
43.917	0.00	0.08	0.087	0					0.64
44.000	0.00	0.07	0.087	0					0.63
44.083	0.00	0.07	0.086	0					0.63
44.167	0.00	0.07	0.086	0					0.63

44.250	0.00	0.07	0.085	0					0.62
44.333	0.00	0.07	0.085	0					0.62
44.417	0.00	0.07	0.084	0					0.61
44.500	0.00	0.07	0.084	0					0.61
44.583	0.00	0.07	0.083	0					0.61
44.667	0.00	0.07	0.083	0					0.60
44.750	0.00	0.07	0.082	0					0.60
44.833	0.00	0.07	0.082	0					0.60
44.917	0.00	0.07	0.081	0					0.59
45.000	0.00	0.07	0.081	0					0.59
45.083	0.00	0.07	0.080	0					0.59
45.167	0.00	0.07	0.080	0					0.58
45.250	0.00	0.07	0.079	0					0.58
45.333	0.00	0.07	0.079	0					0.58
45.417	0.00	0.07	0.078	0					0.57
45.500	0.00	0.07	0.078	0					0.57
45.583	0.00	0.07	0.078	0					0.57
45.667	0.00	0.07	0.077	0					0.56
45.750	0.00	0.07	0.077	0					0.56
45.833	0.00	0.07	0.076	0					0.56
45.917	0.00	0.07	0.076	0					0.55
46.000	0.00	0.06	0.075	0					0.55
46.083	0.00	0.06	0.075	0					0.55
46.167	0.00	0.06	0.074	0					0.54
46.250	0.00	0.06	0.074	0					0.54
46.333	0.00	0.06	0.073	0					0.54
46.417	0.00	0.06	0.073	0					0.53
46.500	0.00	0.06	0.073	0					0.53
46.583	0.00	0.06	0.072	0					0.53
46.667	0.00	0.06	0.072	0					0.52
46.750	0.00	0.06	0.071	0					0.52
46.833	0.00	0.06	0.071	0					0.52
46.917	0.00	0.06	0.070	0					0.51
47.000	0.00	0.06	0.070	0					0.51
47.083	0.00	0.06	0.070	0					0.51
47.167	0.00	0.06	0.069	0					0.51
47.250	0.00	0.06	0.069	0					0.50
47.333	0.00	0.06	0.068	0					0.50
47.417	0.00	0.06	0.068	0					0.50
47.500	0.00	0.06	0.068	0					0.49
47.583	0.00	0.06	0.067	0					0.49
47.667	0.00	0.06	0.067	0					0.49
47.750	0.00	0.06	0.066	0					0.48
47.833	0.00	0.06	0.066	0					0.48
47.917	0.00	0.06	0.066	0					0.48
48.000	0.00	0.06	0.065	0					0.48
48.083	0.00	0.06	0.065	0					0.47
48.167	0.00	0.06	0.064	0					0.47
48.250	0.00	0.06	0.064	0					0.47
48.333	0.00	0.05	0.064	0					0.47

48.417	0.00	0.05	0.063	0					0.46
48.500	0.00	0.05	0.063	0					0.46
48.583	0.00	0.05	0.063	0					0.46
48.667	0.00	0.05	0.062	0					0.45
48.750	0.00	0.05	0.062	0					0.45
48.833	0.00	0.05	0.061	0					0.45
48.917	0.00	0.05	0.061	0					0.45
49.000	0.00	0.05	0.061	0					0.44
49.083	0.00	0.05	0.060	0					0.44
49.167	0.00	0.05	0.060	0					0.44
49.250	0.00	0.05	0.060	0					0.44
49.333	0.00	0.05	0.059	0					0.43
49.417	0.00	0.05	0.059	0					0.43
49.500	0.00	0.05	0.059	0					0.43
49.583	0.00	0.05	0.058	0					0.43
49.667	0.00	0.05	0.058	0					0.42
49.750	0.00	0.05	0.058	0					0.42
49.833	0.00	0.05	0.057	0					0.42
49.917	0.00	0.05	0.057	0					0.42
50.000	0.00	0.05	0.057	0					0.41
50.083	0.00	0.05	0.056	0					0.41
50.167	0.00	0.05	0.056	0					0.41
50.250	0.00	0.05	0.056	0					0.41
50.333	0.00	0.05	0.055	0					0.40
50.417	0.00	0.05	0.055	0					0.40
50.500	0.00	0.05	0.055	0					0.40
50.583	0.00	0.05	0.054	0					0.40
50.667	0.00	0.05	0.054	0					0.39
50.750	0.00	0.05	0.054	0					0.39
50.833	0.00	0.05	0.053	0					0.39
50.917	0.00	0.05	0.053	0					0.39
51.000	0.00	0.05	0.053	0					0.38
51.083	0.00	0.05	0.052	0					0.38
51.167	0.00	0.04	0.052	0					0.38
51.250	0.00	0.04	0.052	0					0.38
51.333	0.00	0.04	0.051	0					0.38
51.417	0.00	0.04	0.051	0					0.37
51.500	0.00	0.04	0.051	0					0.37
51.583	0.00	0.04	0.051	0					0.37
51.667	0.00	0.04	0.050	0					0.37
51.750	0.00	0.04	0.050	0					0.36
51.833	0.00	0.04	0.050	0					0.36
51.917	0.00	0.04	0.049	0					0.36
52.000	0.00	0.04	0.049	0					0.36
52.083	0.00	0.04	0.049	0					0.36
52.167	0.00	0.04	0.049	0					0.35
52.250	0.00	0.04	0.048	0					0.35
52.333	0.00	0.04	0.048	0					0.35
52.417	0.00	0.04	0.048	0					0.35
52.500	0.00	0.04	0.047	0					0.35

52.583	0.00	0.04	0.047	0					0.34
52.667	0.00	0.04	0.047	0					0.34
52.750	0.00	0.04	0.047	0					0.34
52.833	0.00	0.04	0.046	0					0.34
52.917	0.00	0.04	0.046	0					0.34
53.000	0.00	0.04	0.046	0					0.33
53.083	0.00	0.04	0.045	0					0.33
53.167	0.00	0.04	0.045	0					0.33
53.250	0.00	0.04	0.045	0					0.33
53.333	0.00	0.04	0.045	0					0.33
53.417	0.00	0.04	0.044	0					0.32
53.500	0.00	0.04	0.044	0					0.32
53.583	0.00	0.04	0.044	0					0.32
53.667	0.00	0.04	0.044	0					0.32
53.750	0.00	0.04	0.043	0					0.32
53.833	0.00	0.04	0.043	0					0.31
53.917	0.00	0.04	0.043	0					0.31
54.000	0.00	0.04	0.043	0					0.31
54.083	0.00	0.04	0.042	0					0.31
54.167	0.00	0.04	0.042	0					0.31
54.250	0.00	0.04	0.042	0					0.31
54.333	0.00	0.04	0.042	0					0.30
54.417	0.00	0.04	0.041	0					0.30
54.500	0.00	0.04	0.041	0					0.30
54.583	0.00	0.04	0.041	0					0.30
54.667	0.00	0.03	0.041	0					0.30
54.750	0.00	0.03	0.040	0					0.29
54.833	0.00	0.03	0.040	0					0.29
54.917	0.00	0.03	0.040	0					0.29
55.000	0.00	0.03	0.040	0					0.29
55.083	0.00	0.03	0.039	0					0.29
55.167	0.00	0.03	0.039	0					0.29
55.250	0.00	0.03	0.039	0					0.28
55.333	0.00	0.03	0.039	0					0.28
55.417	0.00	0.03	0.038	0					0.28
55.500	0.00	0.03	0.038	0					0.28
55.583	0.00	0.03	0.038	0					0.28
55.667	0.00	0.03	0.038	0					0.28
55.750	0.00	0.03	0.038	0					0.27
55.833	0.00	0.03	0.037	0					0.27
55.917	0.00	0.03	0.037	0					0.27
56.000	0.00	0.03	0.037	0					0.27
56.083	0.00	0.03	0.037	0					0.27
56.167	0.00	0.03	0.036	0					0.27
56.250	0.00	0.03	0.036	0					0.26
56.333	0.00	0.03	0.036	0					0.26
56.417	0.00	0.03	0.036	0					0.26
56.500	0.00	0.03	0.036	0					0.26
56.583	0.00	0.03	0.035	0					0.26
56.667	0.00	0.03	0.035	0					0.26

56.750	0.00	0.03	0.035	0					0.26
56.833	0.00	0.03	0.035	0					0.25
56.917	0.00	0.03	0.035	0					0.25
57.000	0.00	0.03	0.034	0					0.25
57.083	0.00	0.03	0.034	0					0.25
57.167	0.00	0.03	0.034	0					0.25
57.250	0.00	0.03	0.034	0					0.25
57.333	0.00	0.03	0.034	0					0.25
57.417	0.00	0.03	0.033	0					0.24
57.500	0.00	0.03	0.033	0					0.24
57.583	0.00	0.03	0.033	0					0.24
57.667	0.00	0.03	0.033	0					0.24
57.750	0.00	0.03	0.033	0					0.24
57.833	0.00	0.03	0.032	0					0.24
57.917	0.00	0.03	0.032	0					0.24
58.000	0.00	0.03	0.032	0					0.23
58.083	0.00	0.03	0.032	0					0.23
58.167	0.00	0.03	0.032	0					0.23
58.250	0.00	0.03	0.031	0					0.23
58.333	0.00	0.03	0.031	0					0.23
58.417	0.00	0.03	0.031	0					0.23
58.500	0.00	0.03	0.031	0					0.23
58.583	0.00	0.03	0.031	0					0.22
58.667	0.00	0.03	0.031	0					0.22
58.750	0.00	0.03	0.030	0					0.22
58.833	0.00	0.03	0.030	0					0.22
58.917	0.00	0.03	0.030	0					0.22
59.000	0.00	0.03	0.030	0					0.22
59.083	0.00	0.03	0.030	0					0.22
59.167	0.00	0.03	0.029	0					0.22
59.250	0.00	0.03	0.029	0					0.21
59.333	0.00	0.03	0.029	0					0.21
59.417	0.00	0.02	0.029	0					0.21
59.500	0.00	0.02	0.029	0					0.21
59.583	0.00	0.02	0.029	0					0.21
59.667	0.00	0.02	0.028	0					0.21
59.750	0.00	0.02	0.028	0					0.21
59.833	0.00	0.02	0.028	0					0.21
59.917	0.00	0.02	0.028	0					0.20
60.000	0.00	0.02	0.028	0					0.20
60.083	0.00	0.02	0.028	0					0.20
60.167	0.00	0.02	0.027	0					0.20
60.250	0.00	0.02	0.027	0					0.20
60.333	0.00	0.02	0.027	0					0.20
60.417	0.00	0.02	0.027	0					0.20
60.500	0.00	0.02	0.027	0					0.20
60.583	0.00	0.02	0.027	0					0.19
60.667	0.00	0.02	0.026	0					0.19
60.750	0.00	0.02	0.026	0					0.19
60.833	0.00	0.02	0.026	0					0.19

60.917	0.00	0.02	0.026	0					0.19
61.000	0.00	0.02	0.026	0					0.19
61.083	0.00	0.02	0.026	0					0.19
61.167	0.00	0.02	0.026	0					0.19
61.250	0.00	0.02	0.025	0					0.19
61.333	0.00	0.02	0.025	0					0.18
61.417	0.00	0.02	0.025	0					0.18
61.500	0.00	0.02	0.025	0					0.18
61.583	0.00	0.02	0.025	0					0.18
61.667	0.00	0.02	0.025	0					0.18
61.750	0.00	0.02	0.025	0					0.18
61.833	0.00	0.02	0.024	0					0.18
61.917	0.00	0.02	0.024	0					0.18
62.000	0.00	0.02	0.024	0					0.18
62.083	0.00	0.02	0.024	0					0.17
62.167	0.00	0.02	0.024	0					0.17
62.250	0.00	0.02	0.024	0					0.17
62.333	0.00	0.02	0.024	0					0.17
62.417	0.00	0.02	0.023	0					0.17
62.500	0.00	0.02	0.023	0					0.17
62.583	0.00	0.02	0.023	0					0.17
62.667	0.00	0.02	0.023	0					0.17
62.750	0.00	0.02	0.023	0					0.17
62.833	0.00	0.02	0.023	0					0.17
62.917	0.00	0.02	0.023	0					0.16
63.000	0.00	0.02	0.022	0					0.16
63.083	0.00	0.02	0.022	0					0.16
63.167	0.00	0.02	0.022	0					0.16
63.250	0.00	0.02	0.022	0					0.16
63.333	0.00	0.02	0.022	0					0.16
63.417	0.00	0.02	0.022	0					0.16
63.500	0.00	0.02	0.022	0					0.16
63.583	0.00	0.02	0.022	0					0.16
63.667	0.00	0.02	0.021	0					0.16
63.750	0.00	0.02	0.021	0					0.16
63.833	0.00	0.02	0.021	0					0.15
63.917	0.00	0.02	0.021	0					0.15
64.000	0.00	0.02	0.021	0					0.15
64.083	0.00	0.02	0.021	0					0.15
64.167	0.00	0.02	0.021	0					0.15
64.250	0.00	0.02	0.021	0					0.15
64.333	0.00	0.02	0.020	0					0.15
64.417	0.00	0.02	0.020	0					0.15
64.500	0.00	0.02	0.020	0					0.15
64.583	0.00	0.02	0.020	0					0.15
64.667	0.00	0.02	0.020	0					0.15
64.750	0.00	0.02	0.020	0					0.14
64.833	0.00	0.02	0.020	0					0.14
64.917	0.00	0.02	0.020	0					0.14
65.000	0.00	0.02	0.019	0					0.14

65.083	0.00	0.02	0.019	0					0.14
65.167	0.00	0.02	0.019	0					0.14
65.250	0.00	0.02	0.019	0					0.14
65.333	0.00	0.02	0.019	0					0.14
65.417	0.00	0.02	0.019	0					0.14
65.500	0.00	0.02	0.019	0					0.14
65.583	0.00	0.02	0.019	0					0.14
65.667	0.00	0.02	0.019	0					0.14
65.750	0.00	0.02	0.018	0					0.13
65.833	0.00	0.02	0.018	0					0.13
65.917	0.00	0.02	0.018	0					0.13
66.000	0.00	0.02	0.018	0					0.13
66.083	0.00	0.02	0.018	0					0.13
66.167	0.00	0.02	0.018	0					0.13
66.250	0.00	0.02	0.018	0					0.13
66.333	0.00	0.02	0.018	0					0.13
66.417	0.00	0.02	0.018	0					0.13
66.500	0.00	0.02	0.017	0					0.13
66.583	0.00	0.01	0.017	0					0.13
66.667	0.00	0.01	0.017	0					0.13
66.750	0.00	0.01	0.017	0					0.13
66.833	0.00	0.01	0.017	0					0.12
66.917	0.00	0.01	0.017	0					0.12
67.000	0.00	0.01	0.017	0					0.12
67.083	0.00	0.01	0.017	0					0.12
67.167	0.00	0.01	0.017	0					0.12
67.250	0.00	0.01	0.017	0					0.12
67.333	0.00	0.01	0.016	0					0.12
67.417	0.00	0.01	0.016	0					0.12
67.500	0.00	0.01	0.016	0					0.12
67.583	0.00	0.01	0.016	0					0.12
67.667	0.00	0.01	0.016	0					0.12
67.750	0.00	0.01	0.016	0					0.12
67.833	0.00	0.01	0.016	0					0.12
67.917	0.00	0.01	0.016	0					0.12
68.000	0.00	0.01	0.016	0					0.11
68.083	0.00	0.01	0.016	0					0.11
68.167	0.00	0.01	0.016	0					0.11
68.250	0.00	0.01	0.015	0					0.11
68.333	0.00	0.01	0.015	0					0.11
68.417	0.00	0.01	0.015	0					0.11
68.500	0.00	0.01	0.015	0					0.11
68.583	0.00	0.01	0.015	0					0.11
68.667	0.00	0.01	0.015	0					0.11
68.750	0.00	0.01	0.015	0					0.11
68.833	0.00	0.01	0.015	0					0.11
68.917	0.00	0.01	0.015	0					0.11
69.000	0.00	0.01	0.015	0					0.11
69.083	0.00	0.01	0.015	0					0.11
69.167	0.00	0.01	0.014	0					0.11

69.250	0.00	0.01	0.014	0					0.10
69.333	0.00	0.01	0.014	0					0.10
69.417	0.00	0.01	0.014	0					0.10
69.500	0.00	0.01	0.014	0					0.10
69.583	0.00	0.01	0.014	0					0.10
69.667	0.00	0.01	0.014	0					0.10
69.750	0.00	0.01	0.014	0					0.10
69.833	0.00	0.01	0.014	0					0.10
69.917	0.00	0.01	0.014	0					0.10
70.000	0.00	0.01	0.014	0					0.10
70.083	0.00	0.01	0.014	0					0.10
70.167	0.00	0.01	0.013	0					0.10
70.250	0.00	0.01	0.013	0					0.10
70.333	0.00	0.01	0.013	0					0.10
70.417	0.00	0.01	0.013	0					0.10
70.500	0.00	0.01	0.013	0					0.10
70.583	0.00	0.01	0.013	0					0.10
70.667	0.00	0.01	0.013	0					0.09
70.750	0.00	0.01	0.013	0					0.09
70.833	0.00	0.01	0.013	0					0.09
70.917	0.00	0.01	0.013	0					0.09
71.000	0.00	0.01	0.013	0					0.09
71.083	0.00	0.01	0.013	0					0.09
71.167	0.00	0.01	0.013	0					0.09
71.250	0.00	0.01	0.012	0					0.09
71.333	0.00	0.01	0.012	0					0.09
71.417	0.00	0.01	0.012	0					0.09
71.500	0.00	0.01	0.012	0					0.09
71.583	0.00	0.01	0.012	0					0.09
71.667	0.00	0.01	0.012	0					0.09
71.750	0.00	0.01	0.012	0					0.09
71.833	0.00	0.01	0.012	0					0.09
71.917	0.00	0.01	0.012	0					0.09
72.000	0.00	0.01	0.012	0					0.09
72.083	0.00	0.01	0.012	0					0.09
72.167	0.00	0.01	0.012	0					0.09
72.250	0.00	0.01	0.012	0					0.08
72.333	0.00	0.01	0.012	0					0.08
72.417	0.00	0.01	0.011	0					0.08
72.500	0.00	0.01	0.011	0					0.08
72.583	0.00	0.01	0.011	0					0.08
72.667	0.00	0.01	0.011	0					0.08
72.750	0.00	0.01	0.011	0					0.08
72.833	0.00	0.01	0.011	0					0.08
72.917	0.00	0.01	0.011	0					0.08
73.000	0.00	0.01	0.011	0					0.08
73.083	0.00	0.01	0.011	0					0.08
73.167	0.00	0.01	0.011	0					0.08
73.250	0.00	0.01	0.011	0					0.08
73.333	0.00	0.01	0.011	0					0.08

73.417	0.00	0.01	0.011	0					0.08
73.500	0.00	0.01	0.011	0					0.08
73.583	0.00	0.01	0.011	0					0.08
73.667	0.00	0.01	0.010	0					0.08
73.750	0.00	0.01	0.010	0					0.08
73.833	0.00	0.01	0.010	0					0.08
73.917	0.00	0.01	0.010	0					0.08
74.000	0.00	0.01	0.010	0					0.07
74.083	0.00	0.01	0.010	0					0.07
74.167	0.00	0.01	0.010	0					0.07
74.250	0.00	0.01	0.010	0					0.07
74.333	0.00	0.01	0.010	0					0.07
74.417	0.00	0.01	0.010	0					0.07
74.500	0.00	0.01	0.010	0					0.07
74.583	0.00	0.01	0.010	0					0.07
74.667	0.00	0.01	0.010	0					0.07
74.750	0.00	0.01	0.010	0					0.07
74.833	0.00	0.01	0.010	0					0.07
74.917	0.00	0.01	0.010	0					0.07
75.000	0.00	0.01	0.010	0					0.07
75.083	0.00	0.01	0.009	0					0.07
75.167	0.00	0.01	0.009	0					0.07
75.250	0.00	0.01	0.009	0					0.07
75.333	0.00	0.01	0.009	0					0.07
75.417	0.00	0.01	0.009	0					0.07
75.500	0.00	0.01	0.009	0					0.07
75.583	0.00	0.01	0.009	0					0.07
75.667	0.00	0.01	0.009	0					0.07
75.750	0.00	0.01	0.009	0					0.07
75.833	0.00	0.01	0.009	0					0.07
75.917	0.00	0.01	0.009	0					0.07
76.000	0.00	0.01	0.009	0					0.06
76.083	0.00	0.01	0.009	0					0.06
76.167	0.00	0.01	0.009	0					0.06
76.250	0.00	0.01	0.009	0					0.06
76.333	0.00	0.01	0.009	0					0.06
76.417	0.00	0.01	0.009	0					0.06
76.500	0.00	0.01	0.009	0					0.06
76.583	0.00	0.01	0.009	0					0.06
76.667	0.00	0.01	0.008	0					0.06
76.750	0.00	0.01	0.008	0					0.06
76.833	0.00	0.01	0.008	0					0.06
76.917	0.00	0.01	0.008	0					0.06
77.000	0.00	0.01	0.008	0					0.06
77.083	0.00	0.01	0.008	0					0.06
77.167	0.00	0.01	0.008	0					0.06
77.250	0.00	0.01	0.008	0					0.06
77.333	0.00	0.01	0.008	0					0.06
77.417	0.00	0.01	0.008	0					0.06
77.500	0.00	0.01	0.008	0					0.06

77.583	0.00	0.01	0.008	0					0.06
77.667	0.00	0.01	0.008	0					0.06
77.750	0.00	0.01	0.008	0					0.06
77.833	0.00	0.01	0.008	0					0.06
77.917	0.00	0.01	0.008	0					0.06
78.000	0.00	0.01	0.008	0					0.06
78.083	0.00	0.01	0.008	0					0.06
78.167	0.00	0.01	0.008	0					0.06
78.250	0.00	0.01	0.008	0					0.06
78.333	0.00	0.01	0.008	0					0.05
78.417	0.00	0.01	0.007	0					0.05
78.500	0.00	0.01	0.007	0					0.05
78.583	0.00	0.01	0.007	0					0.05
78.667	0.00	0.01	0.007	0					0.05
78.750	0.00	0.01	0.007	0					0.05
78.833	0.00	0.01	0.007	0					0.05
78.917	0.00	0.01	0.007	0					0.05
79.000	0.00	0.01	0.007	0					0.05
79.083	0.00	0.01	0.007	0					0.05
79.167	0.00	0.01	0.007	0					0.05
79.250	0.00	0.01	0.007	0					0.05
79.333	0.00	0.01	0.007	0					0.05
79.417	0.00	0.01	0.007	0					0.05
79.500	0.00	0.01	0.007	0					0.05
79.583	0.00	0.01	0.007	0					0.05
79.667	0.00	0.01	0.007	0					0.05
79.750	0.00	0.01	0.007	0					0.05
79.833	0.00	0.01	0.007	0					0.05
79.917	0.00	0.01	0.007	0					0.05
80.000	0.00	0.01	0.007	0					0.05
80.083	0.00	0.01	0.007	0					0.05
80.167	0.00	0.01	0.007	0					0.05
80.250	0.00	0.01	0.007	0					0.05
80.333	0.00	0.01	0.007	0					0.05
80.417	0.00	0.01	0.006	0					0.05
80.500	0.00	0.01	0.006	0					0.05
80.583	0.00	0.01	0.006	0					0.05
80.667	0.00	0.01	0.006	0					0.05
80.750	0.00	0.01	0.006	0					0.05
80.833	0.00	0.01	0.006	0					0.05
80.917	0.00	0.01	0.006	0					0.05
81.000	0.00	0.01	0.006	0					0.05
81.083	0.00	0.01	0.006	0					0.05
81.167	0.00	0.01	0.006	0					0.04
81.250	0.00	0.01	0.006	0					0.04
81.333	0.00	0.01	0.006	0					0.04
81.417	0.00	0.01	0.006	0					0.04
81.500	0.00	0.01	0.006	0					0.04
81.583	0.00	0.01	0.006	0					0.04
81.667	0.00	0.01	0.006	0					0.04

81.750	0.00	0.01	0.006	0					0.04
81.833	0.00	0.01	0.006	0					0.04
81.917	0.00	0.01	0.006	0					0.04
82.000	0.00	0.00	0.006	0					0.04
82.083	0.00	0.00	0.006	0					0.04
82.167	0.00	0.00	0.006	0					0.04
82.250	0.00	0.00	0.006	0					0.04
82.333	0.00	0.00	0.006	0					0.04
82.417	0.00	0.00	0.006	0					0.04
82.500	0.00	0.00	0.006	0					0.04
82.583	0.00	0.00	0.006	0					0.04
82.667	0.00	0.00	0.006	0					0.04
82.750	0.00	0.00	0.005	0					0.04
82.833	0.00	0.00	0.005	0					0.04
82.917	0.00	0.00	0.005	0					0.04
83.000	0.00	0.00	0.005	0					0.04
83.083	0.00	0.00	0.005	0					0.04
83.167	0.00	0.00	0.005	0					0.04
83.250	0.00	0.00	0.005	0					0.04
83.333	0.00	0.00	0.005	0					0.04
83.417	0.00	0.00	0.005	0					0.04
83.500	0.00	0.00	0.005	0					0.04
83.583	0.00	0.00	0.005	0					0.04
83.667	0.00	0.00	0.005	0					0.04
83.750	0.00	0.00	0.005	0					0.04
83.833	0.00	0.00	0.005	0					0.04
83.917	0.00	0.00	0.005	0					0.04
84.000	0.00	0.00	0.005	0					0.04
84.083	0.00	0.00	0.005	0					0.04
84.167	0.00	0.00	0.005	0					0.04
84.250	0.00	0.00	0.005	0					0.04
84.333	0.00	0.00	0.005	0					0.04
84.417	0.00	0.00	0.005	0					0.04
84.500	0.00	0.00	0.005	0					0.04
84.583	0.00	0.00	0.005	0					0.04
84.667	0.00	0.00	0.005	0					0.04
84.750	0.00	0.00	0.005	0					0.03
84.833	0.00	0.00	0.005	0					0.03
84.917	0.00	0.00	0.005	0					0.03
85.000	0.00	0.00	0.005	0					0.03
85.083	0.00	0.00	0.005	0					0.03
85.167	0.00	0.00	0.005	0					0.03
85.250	0.00	0.00	0.005	0					0.03
85.333	0.00	0.00	0.005	0					0.03
85.417	0.00	0.00	0.005	0					0.03
85.500	0.00	0.00	0.005	0					0.03
85.583	0.00	0.00	0.004	0					0.03
85.667	0.00	0.00	0.004	0					0.03
85.750	0.00	0.00	0.004	0					0.03
85.833	0.00	0.00	0.004	0					0.03

85.917	0.00	0.00	0.004	0					0.03
86.000	0.00	0.00	0.004	0					0.03
86.083	0.00	0.00	0.004	0					0.03
86.167	0.00	0.00	0.004	0					0.03
86.250	0.00	0.00	0.004	0					0.03
86.333	0.00	0.00	0.004	0					0.03
86.417	0.00	0.00	0.004	0					0.03
86.500	0.00	0.00	0.004	0					0.03
86.583	0.00	0.00	0.004	0					0.03
86.667	0.00	0.00	0.004	0					0.03
86.750	0.00	0.00	0.004	0					0.03
86.833	0.00	0.00	0.004	0					0.03
86.917	0.00	0.00	0.004	0					0.03
87.000	0.00	0.00	0.004	0					0.03
87.083	0.00	0.00	0.004	0					0.03
87.167	0.00	0.00	0.004	0					0.03
87.250	0.00	0.00	0.004	0					0.03
87.333	0.00	0.00	0.004	0					0.03
87.417	0.00	0.00	0.004	0					0.03
87.500	0.00	0.00	0.004	0					0.03
87.583	0.00	0.00	0.004	0					0.03
87.667	0.00	0.00	0.004	0					0.03
87.750	0.00	0.00	0.004	0					0.03
87.833	0.00	0.00	0.004	0					0.03
87.917	0.00	0.00	0.004	0					0.03
88.000	0.00	0.00	0.004	0					0.03
88.083	0.00	0.00	0.004	0					0.03
88.167	0.00	0.00	0.004	0					0.03
88.250	0.00	0.00	0.004	0					0.03
88.333	0.00	0.00	0.004	0					0.03
88.417	0.00	0.00	0.004	0					0.03
88.500	0.00	0.00	0.004	0					0.03
88.583	0.00	0.00	0.004	0					0.03
88.667	0.00	0.00	0.004	0					0.03
88.750	0.00	0.00	0.004	0					0.03
88.833	0.00	0.00	0.004	0					0.03
88.917	0.00	0.00	0.004	0					0.03
89.000	0.00	0.00	0.004	0					0.03
89.083	0.00	0.00	0.004	0					0.03
89.167	0.00	0.00	0.003	0					0.03
89.250	0.00	0.00	0.003	0					0.03
89.333	0.00	0.00	0.003	0					0.03
89.417	0.00	0.00	0.003	0					0.02
89.500	0.00	0.00	0.003	0					0.02
89.583	0.00	0.00	0.003	0					0.02
89.667	0.00	0.00	0.003	0					0.02
89.750	0.00	0.00	0.003	0					0.02
89.833	0.00	0.00	0.003	0					0.02
89.917	0.00	0.00	0.003	0					0.02
90.000	0.00	0.00	0.003	0					0.02

90.083	0.00	0.00	0.003	0					0.02
90.167	0.00	0.00	0.003	0					0.02
90.250	0.00	0.00	0.003	0					0.02
90.333	0.00	0.00	0.003	0					0.02
90.417	0.00	0.00	0.003	0					0.02
90.500	0.00	0.00	0.003	0					0.02
90.583	0.00	0.00	0.003	0					0.02
90.667	0.00	0.00	0.003	0					0.02
90.750	0.00	0.00	0.003	0					0.02
90.833	0.00	0.00	0.003	0					0.02
90.917	0.00	0.00	0.003	0					0.02
91.000	0.00	0.00	0.003	0					0.02
91.083	0.00	0.00	0.003	0					0.02
91.167	0.00	0.00	0.003	0					0.02
91.250	0.00	0.00	0.003	0					0.02
91.333	0.00	0.00	0.003	0					0.02
91.417	0.00	0.00	0.003	0					0.02
91.500	0.00	0.00	0.003	0					0.02
91.583	0.00	0.00	0.003	0					0.02
91.667	0.00	0.00	0.003	0					0.02
91.750	0.00	0.00	0.003	0					0.02
91.833	0.00	0.00	0.003	0					0.02
91.917	0.00	0.00	0.003	0					0.02
92.000	0.00	0.00	0.003	0					0.02
92.083	0.00	0.00	0.003	0					0.02
92.167	0.00	0.00	0.003	0					0.02
92.250	0.00	0.00	0.003	0					0.02
92.333	0.00	0.00	0.003	0					0.02
92.417	0.00	0.00	0.003	0					0.02
92.500	0.00	0.00	0.003	0					0.02
92.583	0.00	0.00	0.003	0					0.02
92.667	0.00	0.00	0.003	0					0.02
92.750	0.00	0.00	0.003	0					0.02
92.833	0.00	0.00	0.003	0					0.02
92.917	0.00	0.00	0.003	0					0.02
93.000	0.00	0.00	0.003	0					0.02
93.083	0.00	0.00	0.003	0					0.02
93.167	0.00	0.00	0.003	0					0.02
93.250	0.00	0.00	0.003	0					0.02
93.333	0.00	0.00	0.003	0					0.02
93.417	0.00	0.00	0.003	0					0.02
93.500	0.00	0.00	0.003	0					0.02
93.583	0.00	0.00	0.003	0					0.02
93.667	0.00	0.00	0.003	0					0.02
93.750	0.00	0.00	0.003	0					0.02
93.833	0.00	0.00	0.002	0					0.02
93.917	0.00	0.00	0.002	0					0.02
94.000	0.00	0.00	0.002	0					0.02
94.083	0.00	0.00	0.002	0					0.02
94.167	0.00	0.00	0.002	0					0.02

94.250	0.00	0.00	0.002	0					0.02
94.333	0.00	0.00	0.002	0					0.02
94.417	0.00	0.00	0.002	0					0.02
94.500	0.00	0.00	0.002	0					0.02
94.583	0.00	0.00	0.002	0					0.02
94.667	0.00	0.00	0.002	0					0.02
94.750	0.00	0.00	0.002	0					0.02
94.833	0.00	0.00	0.002	0					0.02
94.917	0.00	0.00	0.002	0					0.02
95.000	0.00	0.00	0.002	0					0.02
95.083	0.00	0.00	0.002	0					0.02
95.167	0.00	0.00	0.002	0					0.02
95.250	0.00	0.00	0.002	0					0.02
95.333	0.00	0.00	0.002	0					0.02
95.417	0.00	0.00	0.002	0					0.02
95.500	0.00	0.00	0.002	0					0.02
95.583	0.00	0.00	0.002	0					0.02
95.667	0.00	0.00	0.002	0					0.02
95.750	0.00	0.00	0.002	0					0.02
95.833	0.00	0.00	0.002	0					0.02
95.917	0.00	0.00	0.002	0					0.02
96.000	0.00	0.00	0.002	0					0.02
96.083	0.00	0.00	0.002	0					0.02
96.167	0.00	0.00	0.002	0					0.02
96.250	0.00	0.00	0.002	0					0.02
96.333	0.00	0.00	0.002	0					0.02
96.417	0.00	0.00	0.002	0					0.02
96.500	0.00	0.00	0.002	0					0.02
96.583	0.00	0.00	0.002	0					0.01
96.667	0.00	0.00	0.002	0					0.01
96.750	0.00	0.00	0.002	0					0.01
96.833	0.00	0.00	0.002	0					0.01
96.917	0.00	0.00	0.002	0					0.01
97.000	0.00	0.00	0.002	0					0.01
97.083	0.00	0.00	0.002	0					0.01
97.167	0.00	0.00	0.002	0					0.01
97.250	0.00	0.00	0.002	0					0.01
97.333	0.00	0.00	0.002	0					0.01
97.417	0.00	0.00	0.002	0					0.01
97.500	0.00	0.00	0.002	0					0.01
97.583	0.00	0.00	0.002	0					0.01
97.667	0.00	0.00	0.002	0					0.01
97.750	0.00	0.00	0.002	0					0.01
97.833	0.00	0.00	0.002	0					0.01
97.917	0.00	0.00	0.002	0					0.01
98.000	0.00	0.00	0.002	0					0.01
98.083	0.00	0.00	0.002	0					0.01
98.167	0.00	0.00	0.002	0					0.01
98.250	0.00	0.00	0.002	0					0.01
98.333	0.00	0.00	0.002	0					0.01

98.417	0.00	0.00	0.002	0					0.01
98.500	0.00	0.00	0.002	0					0.01
98.583	0.00	0.00	0.002	0					0.01
98.667	0.00	0.00	0.002	0					0.01
98.750	0.00	0.00	0.002	0					0.01
98.833	0.00	0.00	0.002	0					0.01
98.917	0.00	0.00	0.002	0					0.01
99.000	0.00	0.00	0.002	0					0.01
99.083	0.00	0.00	0.002	0					0.01
99.167	0.00	0.00	0.002	0					0.01
99.250	0.00	0.00	0.002	0					0.01
99.333	0.00	0.00	0.002	0					0.01
99.417	0.00	0.00	0.002	0					0.01
99.500	0.00	0.00	0.002	0					0.01
99.583	0.00	0.00	0.002	0					0.01
99.667	0.00	0.00	0.002	0					0.01
99.750	0.00	0.00	0.002	0					0.01
99.833	0.00	0.00	0.002	0					0.01
99.917	0.00	0.00	0.002	0					0.01
100.000	0.00	0.00	0.002	0					0.01
100.083	0.00	0.00	0.002	0					0.01
100.167	0.00	0.00	0.002	0					0.01
100.250	0.00	0.00	0.002	0					0.01
100.333	0.00	0.00	0.002	0					0.01
100.417	0.00	0.00	0.002	0					0.01
100.500	0.00	0.00	0.002	0					0.01
100.583	0.00	0.00	0.002	0					0.01
100.667	0.00	0.00	0.002	0					0.01
100.750	0.00	0.00	0.002	0					0.01
100.833	0.00	0.00	0.002	0					0.01
100.917	0.00	0.00	0.002	0					0.01
101.000	0.00	0.00	0.002	0					0.01
101.083	0.00	0.00	0.001	0					0.01
101.167	0.00	0.00	0.001	0					0.01
101.250	0.00	0.00	0.001	0					0.01
101.333	0.00	0.00	0.001	0					0.01
101.417	0.00	0.00	0.001	0					0.01
101.500	0.00	0.00	0.001	0					0.01
101.583	0.00	0.00	0.001	0					0.01
101.667	0.00	0.00	0.001	0					0.01
101.750	0.00	0.00	0.001	0					0.01
101.833	0.00	0.00	0.001	0					0.01
101.917	0.00	0.00	0.001	0					0.01
102.000	0.00	0.00	0.001	0					0.01
102.083	0.00	0.00	0.001	0					0.01
102.167	0.00	0.00	0.001	0					0.01
102.250	0.00	0.00	0.001	0					0.01
102.333	0.00	0.00	0.001	0					0.01
102.417	0.00	0.00	0.001	0					0.01
102.500	0.00	0.00	0.001	0					0.01

102.583	0.00	0.00	0.001	0					0.01
102.667	0.00	0.00	0.001	0					0.01
102.750	0.00	0.00	0.001	0					0.01
102.833	0.00	0.00	0.001	0					0.01
102.917	0.00	0.00	0.001	0					0.01
103.000	0.00	0.00	0.001	0					0.01
103.083	0.00	0.00	0.001	0					0.01
103.167	0.00	0.00	0.001	0					0.01
103.250	0.00	0.00	0.001	0					0.01
103.333	0.00	0.00	0.001	0					0.01
103.417	0.00	0.00	0.001	0					0.01
103.500	0.00	0.00	0.001	0					0.01
103.583	0.00	0.00	0.001	0					0.01
103.667	0.00	0.00	0.001	0					0.01
103.750	0.00	0.00	0.001	0					0.01
103.833	0.00	0.00	0.001	0					0.01
103.917	0.00	0.00	0.001	0					0.01
104.000	0.00	0.00	0.001	0					0.01
104.083	0.00	0.00	0.001	0					0.01
104.167	0.00	0.00	0.001	0					0.01
104.250	0.00	0.00	0.001	0					0.01
104.333	0.00	0.00	0.001	0					0.01
104.417	0.00	0.00	0.001	0					0.01
104.500	0.00	0.00	0.001	0					0.01
104.583	0.00	0.00	0.001	0					0.01
104.667	0.00	0.00	0.001	0					0.01

Remaining water in basin = 0.00 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 1256

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 2.684 (CFS)

Total volume = 1.097 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Peak (CFS) 0.000 0.000 0.000 0.000 0.000

Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 03/13/22

Jana Commercial Development
Post Development
100 yr 24 hr

Program License Serial Number 6481

***** HYDROGRAPH INFORMATION *****

From study/file name: janapost24100.rte
*****HYDROGRAPH DATA*****
Number of intervals = 300
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.360 (CFS)
Total volume = 1.953 (Ac.Ft)
Status of hydrographs being held in storage
Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
Peak (CFS) 0.000 0.000 0.000 0.000 0.000
Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
Process from Point/Station 0.000 to Point/Station 0.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 300
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.137	0.118	0.137	0.137
2.000	0.274	0.170	0.273	0.275
4.000	0.548	0.244	0.547	0.549
6.000	0.823	2.414	0.815	0.831
8.000	1.097	4.459	1.082	1.112

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.8	1.68	2.52	3.36	Depth (Ft.)
0.083	0.02	0.00	0.000	O					0.00
0.167	0.08	0.00	0.000	O					0.00
0.250	0.12	0.00	0.001	O I					0.01
0.333	0.15	0.00	0.002	O I					0.01
0.417	0.19	0.00	0.003	O I					0.02
0.500	0.21	0.00	0.004	O I					0.03
0.583	0.23	0.01	0.006	O I					0.04
0.667	0.24	0.01	0.008	O I					0.05
0.750	0.24	0.01	0.009	O I					0.07
0.833	0.25	0.01	0.011	O I					0.08
0.917	0.29	0.01	0.013	O I					0.09
1.000	0.31	0.01	0.015	O I					0.11
1.083	0.31	0.01	0.017	O I					0.12
1.167	0.29	0.02	0.019	O I					0.14
1.250	0.27	0.02	0.020	O I					0.15
1.333	0.26	0.02	0.022	O I					0.16
1.417	0.26	0.02	0.024	O I					0.17
1.500	0.26	0.02	0.025	O I					0.19
1.583	0.26	0.02	0.027	O I					0.20
1.667	0.26	0.02	0.029	O I					0.21
1.750	0.26	0.03	0.030	O I					0.22
1.833	0.26	0.03	0.032	O I					0.23
1.917	0.30	0.03	0.034	O I					0.25
2.000	0.32	0.03	0.035	O I					0.26
2.083	0.32	0.03	0.037	O I					0.27
2.167	0.33	0.03	0.039	O I					0.29
2.250	0.33	0.04	0.042	O I					0.30
2.333	0.33	0.04	0.044	O I					0.32
2.417	0.34	0.04	0.046	O I					0.33
2.500	0.34	0.04	0.048	O I					0.35

2.583	0.35	0.04	0.050	0	I					0.36
2.667	0.38	0.04	0.052	0	I					0.38
2.750	0.40	0.05	0.054	0	I					0.40
2.833	0.41	0.05	0.057	0	I					0.41
2.917	0.41	0.05	0.059	0	I					0.43
3.000	0.42	0.05	0.062	0	I					0.45
3.083	0.42	0.06	0.064	0	I					0.47
3.167	0.42	0.06	0.067	0	I					0.49
3.250	0.42	0.06	0.069	0	I					0.51
3.333	0.42	0.06	0.072	0	I					0.52
3.417	0.42	0.06	0.074	0	I					0.54
3.500	0.42	0.07	0.077	0	I					0.56
3.583	0.42	0.07	0.079	0	I					0.58
3.667	0.42	0.07	0.082	0	I					0.60
3.750	0.42	0.07	0.084	0	I					0.61
3.833	0.43	0.07	0.086	0	I					0.63
3.917	0.46	0.08	0.089	0	I					0.65
4.000	0.48	0.08	0.092	0	I					0.67
4.083	0.49	0.08	0.095	0	I					0.69
4.167	0.50	0.08	0.097	0	I					0.71
4.250	0.50	0.09	0.100	0	I					0.73
4.333	0.51	0.09	0.103	0	I					0.75
4.417	0.54	0.09	0.106	0	I					0.77
4.500	0.57	0.09	0.109	0	I					0.80
4.583	0.58	0.10	0.113	0	I					0.82
4.667	0.58	0.10	0.116	0	I					0.85
4.750	0.59	0.10	0.119	0	I					0.87
4.833	0.60	0.11	0.123	0	I					0.89
4.917	0.63	0.11	0.126	0	I					0.92
5.000	0.65	0.11	0.130	0	I					0.95
5.083	0.65	0.11	0.133	0	I					0.97
5.167	0.59	0.12	0.137	0	I					1.00
5.250	0.55	0.12	0.140	0	I					1.02
5.333	0.54	0.12	0.143	0	I					1.04
5.417	0.57	0.12	0.146	0	I					1.06
5.500	0.58	0.12	0.149	0	I					1.09
5.583	0.60	0.12	0.152	0	I					1.11
5.667	0.63	0.13	0.156	0	I					1.14
5.750	0.65	0.13	0.159	0	I					1.16
5.833	0.66	0.13	0.163	0	I					1.19
5.917	0.67	0.13	0.166	0	I					1.21
6.000	0.67	0.13	0.170	0	I					1.24
6.083	0.68	0.13	0.174	0	I					1.27
6.167	0.72	0.13	0.178	0	I					1.30
6.250	0.74	0.14	0.182	0	I					1.33
6.333	0.75	0.14	0.186	0	I					1.36
6.417	0.76	0.14	0.190	0	I					1.39
6.500	0.76	0.14	0.195	0	I					1.42
6.583	0.78	0.14	0.199	0	I					1.45
6.667	0.82	0.14	0.203	0	I					1.49

6.750	0.85	0.15	0.208	0	I				1.52
6.833	0.86	0.15	0.213	0	I				1.56
6.917	0.86	0.15	0.218	0	I				1.59
7.000	0.87	0.15	0.223	0	I				1.63
7.083	0.87	0.15	0.228	0	I				1.66
7.167	0.88	0.15	0.233	0	I				1.70
7.250	0.88	0.16	0.238	0	I				1.74
7.333	0.89	0.16	0.243	0	I				1.77
7.417	0.93	0.16	0.248	0	I				1.81
7.500	0.96	0.16	0.253	0	I				1.85
7.583	0.98	0.16	0.259	0	I				1.89
7.667	1.02	0.17	0.265	0	I				1.93
7.750	1.05	0.17	0.271	0	I				1.98
7.833	1.08	0.17	0.277	0	I				2.02
7.917	1.12	0.17	0.283	0	I				2.07
8.000	1.16	0.17	0.290	0	I				2.12
8.083	1.19	0.18	0.297	0	I				2.17
8.167	1.28	0.18	0.304	0	I				2.22
8.250	1.34	0.18	0.312	0	I				2.28
8.333	1.36	0.18	0.320	0	I				2.33
8.417	1.38	0.18	0.328	0	I				2.39
8.500	1.39	0.19	0.336	0	I				2.45
8.583	1.40	0.19	0.345	0	I				2.51
8.667	1.45	0.19	0.353	0	I				2.58
8.750	1.48	0.19	0.362	0	I				2.64
8.833	1.50	0.20	0.371	0	I				2.71
8.917	1.55	0.20	0.380	0	I				2.77
9.000	1.58	0.20	0.389	0	I				2.84
9.083	1.61	0.20	0.399	0	I				2.91
9.167	1.70	0.21	0.409	0	I				2.98
9.250	1.76	0.21	0.419	0	I				3.06
9.333	1.79	0.21	0.430	0	I				3.14
9.417	1.85	0.22	0.441	0	I				3.22
9.500	1.88	0.22	0.453	0	I				3.30
9.583	1.91	0.22	0.464	0	I				3.39
9.667	1.96	0.22	0.476	0	I				3.47
9.750	1.99	0.23	0.488	0	I				3.56
9.833	2.02	0.23	0.500	0	I				3.65
9.917	2.07	0.23	0.513	0	I				3.74
10.000	2.10	0.24	0.525	0	I				3.83
10.083	2.05	0.24	0.538	0	I				3.93
10.167	1.79	0.26	0.550	0	I				4.01
10.250	1.62	0.33	0.559	0	I				4.08
10.333	1.55	0.40	0.568	0	I				4.14
10.417	1.51	0.46	0.575	0	I				4.20
10.500	1.49	0.51	0.582	0	I				4.25
10.583	1.52	0.57	0.589	0	I				4.30
10.667	1.70	0.62	0.596	0	I				4.35
10.750	1.82	0.68	0.603	0	I				4.40
10.833	1.86	0.74	0.611	0	I				4.46

10.917	1.89	0.80	0.619	0	I		4.51
11.000	1.90	0.86	0.626	0	I		4.57
11.083	1.90	0.92	0.633	0	I		4.62
11.167	1.88	0.97	0.640	0	I		4.67
11.250	1.86	1.01	0.646	0	I		4.71
11.333	1.85	1.06	0.651	0	I		4.75
11.417	1.85	1.10	0.657	0	I		4.79
11.500	1.85	1.14	0.662	0	I		4.83
11.583	1.83	1.18	0.666	0	I		4.86
11.667	1.76	1.21	0.671	0	I		4.89
11.750	1.70	1.24	0.674	0	I		4.92
11.833	1.69	1.26	0.677	0	I		4.94
11.917	1.72	1.29	0.680	0	I		4.96
12.000	1.74	1.31	0.683	0	I		4.98
12.083	1.81	1.33	0.686	0	I		5.00
12.167	2.08	1.37	0.690	0	I		5.03
12.250	2.26	1.41	0.696	0	I		5.07
12.333	2.34	1.46	0.702	0	I		5.12
12.417	2.42	1.51	0.708	0	I		5.16
12.500	2.48	1.56	0.714	0	I		5.21
12.583	2.53	1.61	0.721	0	I		5.25
12.667	2.63	1.66	0.727	0	I		5.30
12.750	2.69	1.71	0.734	0	I		5.35
12.833	2.74	1.76	0.741	0	I		5.40
12.917	2.80	1.82	0.747	0	I		5.45
13.000	2.84	1.87	0.754	0	I		5.50
13.083	2.91	1.92	0.761	0	I		5.55
13.167	3.11	1.98	0.768	0	I		5.60
13.250	3.25	2.04	0.776	0	I		5.66
13.333	3.30	2.11	0.784	0	I		5.72
13.417	3.34	2.17	0.792	0	I		5.78
13.500	3.36	2.23	0.800	0	I		5.83
13.583	3.27	2.29	0.807	0	I		5.89
13.667	2.86	2.33	0.813	0	I		5.92
13.750	2.58	2.35	0.815	0	I		5.94
13.833	2.48	2.36	0.816	0	I		5.95
13.917	2.42	2.37	0.817	0	I		5.96
14.000	2.38	2.37	0.817	0	I		5.96
14.083	2.39	2.37	0.817	0	I		5.96
14.167	2.52	2.37	0.818	0	I		5.96
14.250	2.61	2.38	0.819	0	I		5.97
14.333	2.63	2.40	0.821	0	I		5.98
14.417	2.60	2.41	0.822	0	I		5.99
14.500	2.59	2.42	0.824	0	I		6.00
14.583	2.58	2.43	0.825	0	I		6.01
14.667	2.59	2.43	0.826	0	I		6.02
14.750	2.59	2.44	0.827	0	I		6.03
14.833	2.58	2.45	0.828	0	I		6.03
14.917	2.54	2.45	0.828	0	I		6.04
15.000	2.52	2.46	0.829	0	I		6.04

15.083	2.50	2.46	0.829				0		6.05
15.167	2.46	2.46	0.829				0		6.05
15.250	2.43	2.46	0.829				0		6.05
15.333	2.40	2.46	0.829				IO		6.04
15.417	2.36	2.46	0.829				IO		6.04
15.500	2.33	2.45	0.828				IO		6.03
15.583	2.28	2.44	0.827				I 0		6.03
15.667	2.11	2.43	0.825				I 0		6.02
15.750	2.00	2.41	0.823				I 0		6.00
15.833	1.96	2.39	0.820				I 0		5.98
15.917	1.93	2.36	0.817				I 0		5.95
16.000	1.92	2.34	0.814				I 0		5.93
16.083	1.76	2.32	0.810				I 0		5.91
16.167	1.18	2.27	0.805		I		0		5.87
16.250	0.79	2.20	0.796		I		0		5.80
16.333	0.64	2.12	0.786		I		0		5.73
16.417	0.55	2.04	0.776		I		0		5.66
16.500	0.48	1.96	0.766		I		0		5.58
16.583	0.43	1.88	0.756		I		0		5.51
16.667	0.37	1.80	0.746		I		0		5.44
16.750	0.33	1.73	0.736		I		0		5.37
16.833	0.30	1.65	0.726		I		0		5.30
16.917	0.28	1.58	0.717		I		0		5.23
17.000	0.27	1.51	0.709		I		0		5.17
17.083	0.28	1.45	0.700		I		0		5.11
17.167	0.34	1.39	0.693		I		0		5.05
17.250	0.39	1.33	0.686		I		0		5.00
17.333	0.40	1.28	0.679		I		0		4.96
17.417	0.41	1.24	0.674		I		0		4.91
17.500	0.42	1.19	0.668		I		0		4.87
17.583	0.42	1.15	0.663		I		0		4.84
17.667	0.43	1.11	0.658		I		0		4.80
17.750	0.43	1.08	0.653		I		0		4.77
17.833	0.42	1.04	0.649		I		0		4.74
17.917	0.39	1.01	0.645		I		0		4.70
18.000	0.37	0.98	0.641		I		0		4.67
18.083	0.36	0.94	0.637		I		0		4.64
18.167	0.35	0.91	0.633		I		0		4.62
18.250	0.35	0.88	0.629		I		0		4.59
18.333	0.35	0.85	0.625		I		0		4.56
18.417	0.34	0.83	0.622		I		0		4.54
18.500	0.34	0.80	0.619		I		0		4.51
18.583	0.33	0.78	0.615		I		0		4.49
18.667	0.30	0.75	0.612		I		0		4.47
18.750	0.28	0.73	0.609		I		0		4.45
18.833	0.26	0.70	0.606		I		0		4.42
18.917	0.23	0.68	0.603		I		0		4.40
19.000	0.20	0.65	0.600		I		0		4.38
19.083	0.20	0.63	0.597		I		0		4.36
19.167	0.22	0.61	0.594		I		0		4.34

19.250	0.24	0.59	0.592	I 0					4.32
19.333	0.25	0.57	0.589	I 0					4.30
19.417	0.29	0.55	0.587	I 0					4.29
19.500	0.31	0.54	0.586	I 0					4.27
19.583	0.31	0.53	0.584	I 0					4.26
19.667	0.29	0.52	0.583	I 0					4.25
19.750	0.27	0.50	0.581	I 0					4.24
19.833	0.26	0.49	0.579	I 0					4.23
19.917	0.22	0.48	0.578	I 0					4.22
20.000	0.20	0.46	0.576	I 0					4.20
20.083	0.20	0.45	0.574	I 0					4.19
20.167	0.22	0.44	0.572	I 0					4.18
20.250	0.24	0.43	0.571	I 0					4.17
20.333	0.25	0.42	0.570	IO					4.16
20.417	0.25	0.41	0.569	IO					4.15
20.500	0.25	0.40	0.568	IO					4.14
20.583	0.25	0.39	0.567	IO					4.14
20.667	0.25	0.38	0.566	IO					4.13
20.750	0.25	0.38	0.565	IO					4.12
20.833	0.24	0.37	0.564	IO					4.12
20.917	0.21	0.36	0.563	IO					4.11
21.000	0.19	0.35	0.562	I 0					4.10
21.083	0.19	0.35	0.561	I 0					4.09
21.167	0.22	0.34	0.560	IO					4.09
21.250	0.24	0.33	0.559	IO					4.08
21.333	0.24	0.33	0.559	IO					4.08
21.417	0.21	0.32	0.558	I 0					4.07
21.500	0.19	0.32	0.557	I 0					4.07
21.583	0.19	0.31	0.556	IO					4.06
21.667	0.22	0.30	0.556	0					4.05
21.750	0.24	0.30	0.555	0					4.05
21.833	0.23	0.30	0.555	0					4.05
21.917	0.21	0.29	0.554	IO					4.04
22.000	0.19	0.29	0.553	IO					4.04
22.083	0.19	0.28	0.553	IO					4.03
22.167	0.22	0.28	0.552	0					4.03
22.250	0.24	0.27	0.552	0					4.03
22.333	0.23	0.27	0.552	0					4.03
22.417	0.21	0.27	0.551	IO					4.02
22.500	0.19	0.27	0.551	IO					4.02
22.583	0.18	0.26	0.550	IO					4.02
22.667	0.18	0.26	0.550	IO					4.01
22.750	0.18	0.25	0.549	IO					4.01
22.833	0.17	0.25	0.549	IO					4.00
22.917	0.17	0.25	0.548	IO					4.00
23.000	0.17	0.24	0.548	IO					4.00
23.083	0.17	0.24	0.547	IO					3.99
23.167	0.17	0.24	0.547	IO					3.99
23.250	0.17	0.24	0.546	IO					3.99
23.333	0.17	0.24	0.546	IO					3.98

23.417	0.17	0.24	0.545	IO					3.98
23.500	0.17	0.24	0.545	IO					3.98
23.583	0.17	0.24	0.544	IO					3.97
23.667	0.17	0.24	0.544	IO					3.97
23.750	0.17	0.24	0.543	IO					3.96
23.833	0.17	0.24	0.543	IO					3.96
23.917	0.17	0.24	0.542	IO					3.96
24.000	0.17	0.24	0.542	IO					3.95
24.083	0.15	0.24	0.541	IO					3.95
24.167	0.09	0.24	0.540	I O					3.94
24.250	0.05	0.24	0.539	I O					3.93
24.333	0.03	0.24	0.538	I O					3.92
24.417	0.02	0.24	0.536	I O					3.91
24.500	0.02	0.24	0.535	I O					3.90
24.583	0.01	0.24	0.533	I O					3.89
24.667	0.01	0.24	0.531	I O					3.88
24.750	0.01	0.24	0.530	I O					3.87
24.833	0.00	0.24	0.528	I O					3.86
24.917	0.00	0.24	0.527	I O					3.84
25.000	0.00	0.24	0.525	I O					3.83
25.083	0.00	0.24	0.523	I O					3.82
25.167	0.00	0.24	0.522	I O					3.81
25.250	0.00	0.24	0.520	I O					3.80
25.333	0.00	0.24	0.518	I O					3.78
25.417	0.00	0.24	0.517	I O					3.77
25.500	0.00	0.24	0.515	I O					3.76
25.583	0.00	0.23	0.514	I O					3.75
25.667	0.00	0.23	0.512	I O					3.74
25.750	0.00	0.23	0.510	I O					3.73
25.833	0.00	0.23	0.509	I O					3.71
25.917	0.00	0.23	0.507	I O					3.70
26.000	0.00	0.23	0.506	I O					3.69
26.083	0.00	0.23	0.504	I O					3.68
26.167	0.00	0.23	0.502	I O					3.67
26.250	0.00	0.23	0.501	I O					3.66
26.333	0.00	0.23	0.499	I O					3.64
26.417	0.00	0.23	0.498	I O					3.63
26.500	0.00	0.23	0.496	I O					3.62
26.583	0.00	0.23	0.494	I O					3.61
26.667	0.00	0.23	0.493	I O					3.60
26.750	0.00	0.23	0.491	I O					3.59
26.833	0.00	0.23	0.490	I O					3.57
26.917	0.00	0.23	0.488	I O					3.56
27.000	0.00	0.23	0.487	I O					3.55
27.083	0.00	0.23	0.485	I O					3.54
27.167	0.00	0.23	0.483	I O					3.53
27.250	0.00	0.23	0.482	I O					3.52
27.333	0.00	0.23	0.480	I O					3.51
27.417	0.00	0.23	0.479	I O					3.49
27.500	0.00	0.22	0.477	I O					3.48

27.583	0.00	0.22	0.476	I 0					3.47
27.667	0.00	0.22	0.474	I 0					3.46
27.750	0.00	0.22	0.473	I 0					3.45
27.833	0.00	0.22	0.471	I 0					3.44
27.917	0.00	0.22	0.470	I 0					3.43
28.000	0.00	0.22	0.468	I 0					3.42
28.083	0.00	0.22	0.466	I 0					3.40
28.167	0.00	0.22	0.465	I 0					3.39
28.250	0.00	0.22	0.463	I 0					3.38
28.333	0.00	0.22	0.462	I 0					3.37
28.417	0.00	0.22	0.460	I 0					3.36
28.500	0.00	0.22	0.459	I 0					3.35
28.583	0.00	0.22	0.457	I 0					3.34
28.667	0.00	0.22	0.456	I 0					3.33
28.750	0.00	0.22	0.454	I 0					3.32
28.833	0.00	0.22	0.453	I 0					3.31
28.917	0.00	0.22	0.451	I 0					3.29
29.000	0.00	0.22	0.450	I 0					3.28
29.083	0.00	0.22	0.448	I 0					3.27
29.167	0.00	0.22	0.447	I 0					3.26
29.250	0.00	0.22	0.445	I 0					3.25
29.333	0.00	0.22	0.444	I 0					3.24
29.417	0.00	0.22	0.442	I 0					3.23
29.500	0.00	0.22	0.441	I 0					3.22
29.583	0.00	0.21	0.439	I 0					3.21
29.667	0.00	0.21	0.438	I 0					3.20
29.750	0.00	0.21	0.436	I 0					3.19
29.833	0.00	0.21	0.435	I 0					3.18
29.917	0.00	0.21	0.434	I 0					3.16
30.000	0.00	0.21	0.432	I 0					3.15
30.083	0.00	0.21	0.431	I 0					3.14
30.167	0.00	0.21	0.429	I 0					3.13
30.250	0.00	0.21	0.428	I 0					3.12
30.333	0.00	0.21	0.426	I 0					3.11
30.417	0.00	0.21	0.425	I 0					3.10
30.500	0.00	0.21	0.423	I 0					3.09
30.583	0.00	0.21	0.422	IO					3.08
30.667	0.00	0.21	0.420	IO					3.07
30.750	0.00	0.21	0.419	IO					3.06
30.833	0.00	0.21	0.418	IO					3.05
30.917	0.00	0.21	0.416	IO					3.04
31.000	0.00	0.21	0.415	IO					3.03
31.083	0.00	0.21	0.413	IO					3.02
31.167	0.00	0.21	0.412	IO					3.01
31.250	0.00	0.21	0.410	IO					3.00
31.333	0.00	0.21	0.409	IO					2.99
31.417	0.00	0.21	0.408	IO					2.97
31.500	0.00	0.21	0.406	IO					2.96
31.583	0.00	0.21	0.405	IO					2.95
31.667	0.00	0.20	0.403	IO					2.94

31.750	0.00	0.20	0.402	IO					2.93
31.833	0.00	0.20	0.400	IO					2.92
31.917	0.00	0.20	0.399	IO					2.91
32.000	0.00	0.20	0.398	IO					2.90
32.083	0.00	0.20	0.396	IO					2.89
32.167	0.00	0.20	0.395	IO					2.88
32.250	0.00	0.20	0.393	IO					2.87
32.333	0.00	0.20	0.392	IO					2.86
32.417	0.00	0.20	0.391	IO					2.85
32.500	0.00	0.20	0.389	IO					2.84
32.583	0.00	0.20	0.388	IO					2.83
32.667	0.00	0.20	0.387	IO					2.82
32.750	0.00	0.20	0.385	IO					2.81
32.833	0.00	0.20	0.384	IO					2.80
32.917	0.00	0.20	0.382	IO					2.79
33.000	0.00	0.20	0.381	IO					2.78
33.083	0.00	0.20	0.380	IO					2.77
33.167	0.00	0.20	0.378	IO					2.76
33.250	0.00	0.20	0.377	IO					2.75
33.333	0.00	0.20	0.376	IO					2.74
33.417	0.00	0.20	0.374	IO					2.73
33.500	0.00	0.20	0.373	IO					2.72
33.583	0.00	0.20	0.372	IO					2.71
33.667	0.00	0.20	0.370	IO					2.70
33.750	0.00	0.20	0.369	IO					2.69
33.833	0.00	0.20	0.367	IO					2.68
33.917	0.00	0.19	0.366	IO					2.67
34.000	0.00	0.19	0.365	IO					2.66
34.083	0.00	0.19	0.363	IO					2.65
34.167	0.00	0.19	0.362	IO					2.64
34.250	0.00	0.19	0.361	IO					2.63
34.333	0.00	0.19	0.359	IO					2.62
34.417	0.00	0.19	0.358	IO					2.61
34.500	0.00	0.19	0.357	IO					2.60
34.583	0.00	0.19	0.355	IO					2.59
34.667	0.00	0.19	0.354	IO					2.59
34.750	0.00	0.19	0.353	IO					2.58
34.833	0.00	0.19	0.352	IO					2.57
34.917	0.00	0.19	0.350	IO					2.56
35.000	0.00	0.19	0.349	IO					2.55
35.083	0.00	0.19	0.348	IO					2.54
35.167	0.00	0.19	0.346	IO					2.53
35.250	0.00	0.19	0.345	IO					2.52
35.333	0.00	0.19	0.344	IO					2.51
35.417	0.00	0.19	0.342	IO					2.50
35.500	0.00	0.19	0.341	IO					2.49
35.583	0.00	0.19	0.340	IO					2.48
35.667	0.00	0.19	0.338	IO					2.47
35.750	0.00	0.19	0.337	IO					2.46
35.833	0.00	0.19	0.336	IO					2.45

35.917	0.00	0.19	0.335	IO					2.44
36.000	0.00	0.19	0.333	IO					2.43
36.083	0.00	0.19	0.332	IO					2.42
36.167	0.00	0.19	0.331	IO					2.41
36.250	0.00	0.18	0.330	IO					2.41
36.333	0.00	0.18	0.328	IO					2.40
36.417	0.00	0.18	0.327	IO					2.39
36.500	0.00	0.18	0.326	IO					2.38
36.583	0.00	0.18	0.324	IO					2.37
36.667	0.00	0.18	0.323	IO					2.36
36.750	0.00	0.18	0.322	IO					2.35
36.833	0.00	0.18	0.321	IO					2.34
36.917	0.00	0.18	0.319	IO					2.33
37.000	0.00	0.18	0.318	IO					2.32
37.083	0.00	0.18	0.317	IO					2.31
37.167	0.00	0.18	0.316	IO					2.30
37.250	0.00	0.18	0.314	IO					2.29
37.333	0.00	0.18	0.313	IO					2.29
37.417	0.00	0.18	0.312	IO					2.28
37.500	0.00	0.18	0.311	IO					2.27
37.583	0.00	0.18	0.309	IO					2.26
37.667	0.00	0.18	0.308	IO					2.25
37.750	0.00	0.18	0.307	IO					2.24
37.833	0.00	0.18	0.306	IO					2.23
37.917	0.00	0.18	0.304	IO					2.22
38.000	0.00	0.18	0.303	IO					2.21
38.083	0.00	0.18	0.302	IO					2.20
38.167	0.00	0.18	0.301	IO					2.20
38.250	0.00	0.18	0.300	IO					2.19
38.333	0.00	0.18	0.298	IO					2.18
38.417	0.00	0.18	0.297	IO					2.17
38.500	0.00	0.18	0.296	IO					2.16
38.583	0.00	0.18	0.295	IO					2.15
38.667	0.00	0.18	0.294	IO					2.14
38.750	0.00	0.17	0.292	IO					2.13
38.833	0.00	0.17	0.291	IO					2.13
38.917	0.00	0.17	0.290	IO					2.12
39.000	0.00	0.17	0.289	IO					2.11
39.083	0.00	0.17	0.288	IO					2.10
39.167	0.00	0.17	0.286	IO					2.09
39.250	0.00	0.17	0.285	IO					2.08
39.333	0.00	0.17	0.284	IO					2.07
39.417	0.00	0.17	0.283	IO					2.06
39.500	0.00	0.17	0.282	IO					2.06
39.583	0.00	0.17	0.280	IO					2.05
39.667	0.00	0.17	0.279	IO					2.04
39.750	0.00	0.17	0.278	IO					2.03
39.833	0.00	0.17	0.277	IO					2.02
39.917	0.00	0.17	0.276	IO					2.01
40.000	0.00	0.17	0.275	IO					2.00

40.083	0.00	0.17	0.273	IO					2.00
40.167	0.00	0.17	0.272	IO					1.99
40.250	0.00	0.17	0.271	IO					1.98
40.333	0.00	0.17	0.270	IO					1.97
40.417	0.00	0.17	0.269	IO					1.96
40.500	0.00	0.17	0.268	IO					1.95
40.583	0.00	0.17	0.266	IO					1.94
40.667	0.00	0.17	0.265	IO					1.94
40.750	0.00	0.17	0.264	IO					1.93
40.833	0.00	0.17	0.263	IO					1.92
40.917	0.00	0.17	0.262	IO					1.91
41.000	0.00	0.16	0.261	IO					1.90
41.083	0.00	0.16	0.260	IO					1.89
41.167	0.00	0.16	0.258	IO					1.89
41.250	0.00	0.16	0.257	IO					1.88
41.333	0.00	0.16	0.256	IO					1.87
41.417	0.00	0.16	0.255	IO					1.86
41.500	0.00	0.16	0.254	IO					1.85
41.583	0.00	0.16	0.253	IO					1.85
41.667	0.00	0.16	0.252	IO					1.84
41.750	0.00	0.16	0.251	IO					1.83
41.833	0.00	0.16	0.249	IO					1.82
41.917	0.00	0.16	0.248	IO					1.81
42.000	0.00	0.16	0.247	IO					1.80
42.083	0.00	0.16	0.246	IO					1.80
42.167	0.00	0.16	0.245	IO					1.79
42.250	0.00	0.16	0.244	IO					1.78
42.333	0.00	0.16	0.243	IO					1.77
42.417	0.00	0.16	0.242	IO					1.76
42.500	0.00	0.16	0.241	IO					1.76
42.583	0.00	0.16	0.240	IO					1.75
42.667	0.00	0.16	0.239	IO					1.74
42.750	0.00	0.16	0.237	IO					1.73
42.833	0.00	0.16	0.236	IO					1.73
42.917	0.00	0.16	0.235	IO					1.72
43.000	0.00	0.15	0.234	IO					1.71
43.083	0.00	0.15	0.233	IO					1.70
43.167	0.00	0.15	0.232	IO					1.69
43.250	0.00	0.15	0.231	IO					1.69
43.333	0.00	0.15	0.230	IO					1.68
43.417	0.00	0.15	0.229	IO					1.67
43.500	0.00	0.15	0.228	IO					1.66
43.583	0.00	0.15	0.227	IO					1.66
43.667	0.00	0.15	0.226	IO					1.65
43.750	0.00	0.15	0.225	IO					1.64
43.833	0.00	0.15	0.224	IO					1.63
43.917	0.00	0.15	0.223	IO					1.63
44.000	0.00	0.15	0.222	IO					1.62
44.083	0.00	0.15	0.221	IO					1.61
44.167	0.00	0.15	0.220	IO					1.60

44.250	0.00	0.15	0.219	IO					1.60
44.333	0.00	0.15	0.218	IO					1.59
44.417	0.00	0.15	0.216	IO					1.58
44.500	0.00	0.15	0.215	IO					1.57
44.583	0.00	0.15	0.214	IO					1.57
44.667	0.00	0.15	0.213	IO					1.56
44.750	0.00	0.15	0.212	IO					1.55
44.833	0.00	0.15	0.211	IO					1.54
44.917	0.00	0.15	0.210	IO					1.54
45.000	0.00	0.15	0.209	IO					1.53
45.083	0.00	0.15	0.208	IO					1.52
45.167	0.00	0.14	0.207	IO					1.51
45.250	0.00	0.14	0.206	IO					1.51
45.333	0.00	0.14	0.205	IO					1.50
45.417	0.00	0.14	0.204	IO					1.49
45.500	0.00	0.14	0.203	IO					1.49
45.583	0.00	0.14	0.202	IO					1.48
45.667	0.00	0.14	0.201	IO					1.47
45.750	0.00	0.14	0.201	IO					1.46
45.833	0.00	0.14	0.200	IO					1.46
45.917	0.00	0.14	0.199	IO					1.45
46.000	0.00	0.14	0.198	IO					1.44
46.083	0.00	0.14	0.197	IO					1.44
46.167	0.00	0.14	0.196	IO					1.43
46.250	0.00	0.14	0.195	IO					1.42
46.333	0.00	0.14	0.194	IO					1.41
46.417	0.00	0.14	0.193	IO					1.41
46.500	0.00	0.14	0.192	IO					1.40
46.583	0.00	0.14	0.191	IO					1.39
46.667	0.00	0.14	0.190	IO					1.39
46.750	0.00	0.14	0.189	IO					1.38
46.833	0.00	0.14	0.188	IO					1.37
46.917	0.00	0.14	0.187	IO					1.37
47.000	0.00	0.14	0.186	IO					1.36
47.083	0.00	0.14	0.185	IO					1.35
47.167	0.00	0.14	0.184	IO					1.34
47.250	0.00	0.14	0.183	IO					1.34
47.333	0.00	0.14	0.182	IO					1.33
47.417	0.00	0.13	0.181	IO					1.32
47.500	0.00	0.13	0.181	IO					1.32
47.583	0.00	0.13	0.180	IO					1.31
47.667	0.00	0.13	0.179	IO					1.30
47.750	0.00	0.13	0.178	IO					1.30
47.833	0.00	0.13	0.177	IO					1.29
47.917	0.00	0.13	0.176	IO					1.28
48.000	0.00	0.13	0.175	IO					1.28
48.083	0.00	0.13	0.174	IO					1.27
48.167	0.00	0.13	0.173	IO					1.26
48.250	0.00	0.13	0.172	IO					1.26
48.333	0.00	0.13	0.171	IO					1.25

48.417	0.00	0.13	0.170	IO					1.24
48.500	0.00	0.13	0.170	IO					1.24
48.583	0.00	0.13	0.169	IO					1.23
48.667	0.00	0.13	0.168	IO					1.22
48.750	0.00	0.13	0.167	IO					1.22
48.833	0.00	0.13	0.166	IO					1.21
48.917	0.00	0.13	0.165	IO					1.21
49.000	0.00	0.13	0.164	IO					1.20
49.083	0.00	0.13	0.163	IO					1.19
49.167	0.00	0.13	0.162	IO					1.19
49.250	0.00	0.13	0.162	IO					1.18
49.333	0.00	0.13	0.161	IO					1.17
49.417	0.00	0.13	0.160	IO					1.17
49.500	0.00	0.13	0.159	IO					1.16
49.583	0.00	0.13	0.158	IO					1.15
49.667	0.00	0.13	0.157	IO					1.15
49.750	0.00	0.13	0.156	IO					1.14
49.833	0.00	0.13	0.155	IO					1.14
49.917	0.00	0.12	0.155	IO					1.13
50.000	0.00	0.12	0.154	IO					1.12
50.083	0.00	0.12	0.153	IO					1.12
50.167	0.00	0.12	0.152	IO					1.11
50.250	0.00	0.12	0.151	IO					1.10
50.333	0.00	0.12	0.150	IO					1.10
50.417	0.00	0.12	0.150	IO					1.09
50.500	0.00	0.12	0.149	IO					1.09
50.583	0.00	0.12	0.148	IO					1.08
50.667	0.00	0.12	0.147	IO					1.07
50.750	0.00	0.12	0.146	IO					1.07
50.833	0.00	0.12	0.145	IO					1.06
50.917	0.00	0.12	0.144	IO					1.05
51.000	0.00	0.12	0.144	IO					1.05
51.083	0.00	0.12	0.143	IO					1.04
51.167	0.00	0.12	0.142	IO					1.04
51.250	0.00	0.12	0.141	IO					1.03
51.333	0.00	0.12	0.140	IO					1.02
51.417	0.00	0.12	0.140	IO					1.02
51.500	0.00	0.12	0.139	IO					1.01
51.583	0.00	0.12	0.138	IO					1.01
51.667	0.00	0.12	0.137	IO					1.00
51.750	0.00	0.12	0.136	IO					0.99
51.833	0.00	0.12	0.135	IO					0.99
51.917	0.00	0.12	0.135	IO					0.98
52.000	0.00	0.12	0.134	IO					0.98
52.083	0.00	0.11	0.133	IO					0.97
52.167	0.00	0.11	0.132	IO					0.97
52.250	0.00	0.11	0.132	IO					0.96
52.333	0.00	0.11	0.131	IO					0.95
52.417	0.00	0.11	0.130	IO					0.95
52.500	0.00	0.11	0.129	IO					0.94

52.583	0.00	0.11	0.128	IO					0.94
52.667	0.00	0.11	0.128	IO					0.93
52.750	0.00	0.11	0.127	IO					0.93
52.833	0.00	0.11	0.126	IO					0.92
52.917	0.00	0.11	0.125	IO					0.92
53.000	0.00	0.11	0.125	IO					0.91
53.083	0.00	0.11	0.124	IO					0.90
53.167	0.00	0.11	0.123	IO					0.90
53.250	0.00	0.11	0.122	IO					0.89
53.333	0.00	0.10	0.122	O					0.89
53.417	0.00	0.10	0.121	O					0.88
53.500	0.00	0.10	0.120	O					0.88
53.583	0.00	0.10	0.120	O					0.87
53.667	0.00	0.10	0.119	O					0.87
53.750	0.00	0.10	0.118	O					0.86
53.833	0.00	0.10	0.117	O					0.86
53.917	0.00	0.10	0.117	O					0.85
54.000	0.00	0.10	0.116	O					0.85
54.083	0.00	0.10	0.115	O					0.84
54.167	0.00	0.10	0.115	O					0.84
54.250	0.00	0.10	0.114	O					0.83
54.333	0.00	0.10	0.113	O					0.83
54.417	0.00	0.10	0.113	O					0.82
54.500	0.00	0.10	0.112	O					0.82
54.583	0.00	0.10	0.111	O					0.81
54.667	0.00	0.10	0.111	O					0.81
54.750	0.00	0.09	0.110	O					0.80
54.833	0.00	0.09	0.109	O					0.80
54.917	0.00	0.09	0.109	O					0.79
55.000	0.00	0.09	0.108	O					0.79
55.083	0.00	0.09	0.107	O					0.78
55.167	0.00	0.09	0.107	O					0.78
55.250	0.00	0.09	0.106	O					0.78
55.333	0.00	0.09	0.106	O					0.77
55.417	0.00	0.09	0.105	O					0.77
55.500	0.00	0.09	0.104	O					0.76
55.583	0.00	0.09	0.104	O					0.76
55.667	0.00	0.09	0.103	O					0.75
55.750	0.00	0.09	0.103	O					0.75
55.833	0.00	0.09	0.102	O					0.74
55.917	0.00	0.09	0.101	O					0.74
56.000	0.00	0.09	0.101	O					0.74
56.083	0.00	0.09	0.100	O					0.73
56.167	0.00	0.09	0.100	O					0.73
56.250	0.00	0.09	0.099	O					0.72
56.333	0.00	0.08	0.098	O					0.72
56.417	0.00	0.08	0.098	O					0.71
56.500	0.00	0.08	0.097	O					0.71
56.583	0.00	0.08	0.097	O					0.71
56.667	0.00	0.08	0.096	O					0.70

56.750	0.00	0.08	0.095	0					0.70
56.833	0.00	0.08	0.095	0					0.69
56.917	0.00	0.08	0.094	0					0.69
57.000	0.00	0.08	0.094	0					0.68
57.083	0.00	0.08	0.093	0					0.68
57.167	0.00	0.08	0.093	0					0.68
57.250	0.00	0.08	0.092	0					0.67
57.333	0.00	0.08	0.092	0					0.67
57.417	0.00	0.08	0.091	0					0.66
57.500	0.00	0.08	0.091	0					0.66
57.583	0.00	0.08	0.090	0					0.66
57.667	0.00	0.08	0.089	0					0.65
57.750	0.00	0.08	0.089	0					0.65
57.833	0.00	0.08	0.088	0					0.65
57.917	0.00	0.08	0.088	0					0.64
58.000	0.00	0.08	0.087	0					0.64
58.083	0.00	0.07	0.087	0					0.63
58.167	0.00	0.07	0.086	0					0.63
58.250	0.00	0.07	0.086	0					0.63
58.333	0.00	0.07	0.085	0					0.62
58.417	0.00	0.07	0.085	0					0.62
58.500	0.00	0.07	0.084	0					0.62
58.583	0.00	0.07	0.084	0					0.61
58.667	0.00	0.07	0.083	0					0.61
58.750	0.00	0.07	0.083	0					0.60
58.833	0.00	0.07	0.082	0					0.60
58.917	0.00	0.07	0.082	0					0.60
59.000	0.00	0.07	0.081	0					0.59
59.083	0.00	0.07	0.081	0					0.59
59.167	0.00	0.07	0.080	0					0.59
59.250	0.00	0.07	0.080	0					0.58
59.333	0.00	0.07	0.079	0					0.58
59.417	0.00	0.07	0.079	0					0.58
59.500	0.00	0.07	0.078	0					0.57
59.583	0.00	0.07	0.078	0					0.57
59.667	0.00	0.07	0.078	0					0.57
59.750	0.00	0.07	0.077	0					0.56
59.833	0.00	0.07	0.077	0					0.56
59.917	0.00	0.07	0.076	0					0.56
60.000	0.00	0.07	0.076	0					0.55
60.083	0.00	0.06	0.075	0					0.55
60.167	0.00	0.06	0.075	0					0.55
60.250	0.00	0.06	0.074	0					0.54
60.333	0.00	0.06	0.074	0					0.54
60.417	0.00	0.06	0.074	0					0.54
60.500	0.00	0.06	0.073	0					0.53
60.583	0.00	0.06	0.073	0					0.53
60.667	0.00	0.06	0.072	0					0.53
60.750	0.00	0.06	0.072	0					0.52
60.833	0.00	0.06	0.071	0					0.52

60.917	0.00	0.06	0.071	0					0.52
61.000	0.00	0.06	0.071	0					0.51
61.083	0.00	0.06	0.070	0					0.51
61.167	0.00	0.06	0.070	0					0.51
61.250	0.00	0.06	0.069	0					0.51
61.333	0.00	0.06	0.069	0					0.50
61.417	0.00	0.06	0.068	0					0.50
61.500	0.00	0.06	0.068	0					0.50
61.583	0.00	0.06	0.068	0					0.49
61.667	0.00	0.06	0.067	0					0.49
61.750	0.00	0.06	0.067	0					0.49
61.833	0.00	0.06	0.066	0					0.49
61.917	0.00	0.06	0.066	0					0.48
62.000	0.00	0.06	0.066	0					0.48
62.083	0.00	0.06	0.065	0					0.48
62.167	0.00	0.06	0.065	0					0.47
62.250	0.00	0.06	0.065	0					0.47
62.333	0.00	0.06	0.064	0					0.47
62.417	0.00	0.05	0.064	0					0.47
62.500	0.00	0.05	0.063	0					0.46
62.583	0.00	0.05	0.063	0					0.46
62.667	0.00	0.05	0.063	0					0.46
62.750	0.00	0.05	0.062	0					0.45
62.833	0.00	0.05	0.062	0					0.45
62.917	0.00	0.05	0.062	0					0.45
63.000	0.00	0.05	0.061	0					0.45
63.083	0.00	0.05	0.061	0					0.44
63.167	0.00	0.05	0.060	0					0.44
63.250	0.00	0.05	0.060	0					0.44
63.333	0.00	0.05	0.060	0					0.44
63.417	0.00	0.05	0.059	0					0.43
63.500	0.00	0.05	0.059	0					0.43
63.583	0.00	0.05	0.059	0					0.43
63.667	0.00	0.05	0.058	0					0.43
63.750	0.00	0.05	0.058	0					0.42
63.833	0.00	0.05	0.058	0					0.42
63.917	0.00	0.05	0.057	0					0.42
64.000	0.00	0.05	0.057	0					0.42
64.083	0.00	0.05	0.057	0					0.41
64.167	0.00	0.05	0.056	0					0.41
64.250	0.00	0.05	0.056	0					0.41
64.333	0.00	0.05	0.056	0					0.41
64.417	0.00	0.05	0.055	0					0.40
64.500	0.00	0.05	0.055	0					0.40
64.583	0.00	0.05	0.055	0					0.40
64.667	0.00	0.05	0.054	0					0.40
64.750	0.00	0.05	0.054	0					0.39
64.833	0.00	0.05	0.054	0					0.39
64.917	0.00	0.05	0.053	0					0.39
65.000	0.00	0.05	0.053	0					0.39

65.083	0.00	0.05	0.053	0					0.39
65.167	0.00	0.05	0.052	0					0.38
65.250	0.00	0.04	0.052	0					0.38
65.333	0.00	0.04	0.052	0					0.38
65.417	0.00	0.04	0.052	0					0.38
65.500	0.00	0.04	0.051	0					0.37
65.583	0.00	0.04	0.051	0					0.37
65.667	0.00	0.04	0.051	0					0.37
65.750	0.00	0.04	0.050	0					0.37
65.833	0.00	0.04	0.050	0					0.37
65.917	0.00	0.04	0.050	0					0.36
66.000	0.00	0.04	0.049	0					0.36
66.083	0.00	0.04	0.049	0					0.36
66.167	0.00	0.04	0.049	0					0.36
66.250	0.00	0.04	0.049	0					0.35
66.333	0.00	0.04	0.048	0					0.35
66.417	0.00	0.04	0.048	0					0.35
66.500	0.00	0.04	0.048	0					0.35
66.583	0.00	0.04	0.047	0					0.35
66.667	0.00	0.04	0.047	0					0.34
66.750	0.00	0.04	0.047	0					0.34
66.833	0.00	0.04	0.047	0					0.34
66.917	0.00	0.04	0.046	0					0.34
67.000	0.00	0.04	0.046	0					0.34
67.083	0.00	0.04	0.046	0					0.33
67.167	0.00	0.04	0.045	0					0.33
67.250	0.00	0.04	0.045	0					0.33
67.333	0.00	0.04	0.045	0					0.33
67.417	0.00	0.04	0.045	0					0.33
67.500	0.00	0.04	0.044	0					0.32
67.583	0.00	0.04	0.044	0					0.32
67.667	0.00	0.04	0.044	0					0.32
67.750	0.00	0.04	0.044	0					0.32
67.833	0.00	0.04	0.043	0					0.32
67.917	0.00	0.04	0.043	0					0.31
68.000	0.00	0.04	0.043	0					0.31
68.083	0.00	0.04	0.043	0					0.31
68.167	0.00	0.04	0.042	0					0.31
68.250	0.00	0.04	0.042	0					0.31
68.333	0.00	0.04	0.042	0					0.31
68.417	0.00	0.04	0.042	0					0.30
68.500	0.00	0.04	0.041	0					0.30
68.583	0.00	0.04	0.041	0					0.30
68.667	0.00	0.04	0.041	0					0.30
68.750	0.00	0.03	0.041	0					0.30
68.833	0.00	0.03	0.040	0					0.29
68.917	0.00	0.03	0.040	0					0.29
69.000	0.00	0.03	0.040	0					0.29
69.083	0.00	0.03	0.040	0					0.29
69.167	0.00	0.03	0.039	0					0.29

69.250	0.00	0.03	0.039	0					0.29
69.333	0.00	0.03	0.039	0					0.28
69.417	0.00	0.03	0.039	0					0.28
69.500	0.00	0.03	0.039	0					0.28
69.583	0.00	0.03	0.038	0					0.28
69.667	0.00	0.03	0.038	0					0.28
69.750	0.00	0.03	0.038	0					0.28
69.833	0.00	0.03	0.038	0					0.27
69.917	0.00	0.03	0.037	0					0.27
70.000	0.00	0.03	0.037	0					0.27
70.083	0.00	0.03	0.037	0					0.27
70.167	0.00	0.03	0.037	0					0.27
70.250	0.00	0.03	0.037	0					0.27
70.333	0.00	0.03	0.036	0					0.26
70.417	0.00	0.03	0.036	0					0.26
70.500	0.00	0.03	0.036	0					0.26
70.583	0.00	0.03	0.036	0					0.26
70.667	0.00	0.03	0.035	0					0.26
70.750	0.00	0.03	0.035	0					0.26
70.833	0.00	0.03	0.035	0					0.26
70.917	0.00	0.03	0.035	0					0.25
71.000	0.00	0.03	0.035	0					0.25
71.083	0.00	0.03	0.034	0					0.25
71.167	0.00	0.03	0.034	0					0.25
71.250	0.00	0.03	0.034	0					0.25
71.333	0.00	0.03	0.034	0					0.25
71.417	0.00	0.03	0.034	0					0.25
71.500	0.00	0.03	0.033	0					0.24
71.583	0.00	0.03	0.033	0					0.24
71.667	0.00	0.03	0.033	0					0.24
71.750	0.00	0.03	0.033	0					0.24
71.833	0.00	0.03	0.033	0					0.24
71.917	0.00	0.03	0.032	0					0.24
72.000	0.00	0.03	0.032	0					0.24
72.083	0.00	0.03	0.032	0					0.23
72.167	0.00	0.03	0.032	0					0.23
72.250	0.00	0.03	0.032	0					0.23
72.333	0.00	0.03	0.031	0					0.23
72.417	0.00	0.03	0.031	0					0.23
72.500	0.00	0.03	0.031	0					0.23
72.583	0.00	0.03	0.031	0					0.23
72.667	0.00	0.03	0.031	0					0.22
72.750	0.00	0.03	0.031	0					0.22
72.833	0.00	0.03	0.030	0					0.22
72.917	0.00	0.03	0.030	0					0.22
73.000	0.00	0.03	0.030	0					0.22
73.083	0.00	0.03	0.030	0					0.22
73.167	0.00	0.03	0.030	0					0.22
73.250	0.00	0.03	0.029	0					0.22
73.333	0.00	0.03	0.029	0					0.21

73.417	0.00	0.03	0.029	0					0.21
73.500	0.00	0.02	0.029	0					0.21
73.583	0.00	0.02	0.029	0					0.21
73.667	0.00	0.02	0.029	0					0.21
73.750	0.00	0.02	0.028	0					0.21
73.833	0.00	0.02	0.028	0					0.21
73.917	0.00	0.02	0.028	0					0.21
74.000	0.00	0.02	0.028	0					0.20
74.083	0.00	0.02	0.028	0					0.20
74.167	0.00	0.02	0.028	0					0.20
74.250	0.00	0.02	0.027	0					0.20
74.333	0.00	0.02	0.027	0					0.20
74.417	0.00	0.02	0.027	0					0.20
74.500	0.00	0.02	0.027	0					0.20
74.583	0.00	0.02	0.027	0					0.20
74.667	0.00	0.02	0.027	0					0.19
74.750	0.00	0.02	0.027	0					0.19
74.833	0.00	0.02	0.026	0					0.19
74.917	0.00	0.02	0.026	0					0.19
75.000	0.00	0.02	0.026	0					0.19
75.083	0.00	0.02	0.026	0					0.19
75.167	0.00	0.02	0.026	0					0.19
75.250	0.00	0.02	0.026	0					0.19
75.333	0.00	0.02	0.025	0					0.19
75.417	0.00	0.02	0.025	0					0.18
75.500	0.00	0.02	0.025	0					0.18
75.583	0.00	0.02	0.025	0					0.18
75.667	0.00	0.02	0.025	0					0.18
75.750	0.00	0.02	0.025	0					0.18
75.833	0.00	0.02	0.025	0					0.18
75.917	0.00	0.02	0.024	0					0.18
76.000	0.00	0.02	0.024	0					0.18
76.083	0.00	0.02	0.024	0					0.18
76.167	0.00	0.02	0.024	0					0.17
76.250	0.00	0.02	0.024	0					0.17
76.333	0.00	0.02	0.024	0					0.17
76.417	0.00	0.02	0.024	0					0.17
76.500	0.00	0.02	0.023	0					0.17
76.583	0.00	0.02	0.023	0					0.17
76.667	0.00	0.02	0.023	0					0.17
76.750	0.00	0.02	0.023	0					0.17
76.833	0.00	0.02	0.023	0					0.17
76.917	0.00	0.02	0.023	0					0.17
77.000	0.00	0.02	0.023	0					0.16
77.083	0.00	0.02	0.022	0					0.16
77.167	0.00	0.02	0.022	0					0.16
77.250	0.00	0.02	0.022	0					0.16
77.333	0.00	0.02	0.022	0					0.16
77.417	0.00	0.02	0.022	0					0.16
77.500	0.00	0.02	0.022	0					0.16

77.583	0.00	0.02	0.022	0					0.16
77.667	0.00	0.02	0.022	0					0.16
77.750	0.00	0.02	0.021	0					0.16
77.833	0.00	0.02	0.021	0					0.16
77.917	0.00	0.02	0.021	0					0.15
78.000	0.00	0.02	0.021	0					0.15
78.083	0.00	0.02	0.021	0					0.15
78.167	0.00	0.02	0.021	0					0.15
78.250	0.00	0.02	0.021	0					0.15
78.333	0.00	0.02	0.021	0					0.15
78.417	0.00	0.02	0.020	0					0.15
78.500	0.00	0.02	0.020	0					0.15
78.583	0.00	0.02	0.020	0					0.15
78.667	0.00	0.02	0.020	0					0.15
78.750	0.00	0.02	0.020	0					0.15
78.833	0.00	0.02	0.020	0					0.14
78.917	0.00	0.02	0.020	0					0.14
79.000	0.00	0.02	0.020	0					0.14
79.083	0.00	0.02	0.019	0					0.14
79.167	0.00	0.02	0.019	0					0.14
79.250	0.00	0.02	0.019	0					0.14
79.333	0.00	0.02	0.019	0					0.14
79.417	0.00	0.02	0.019	0					0.14
79.500	0.00	0.02	0.019	0					0.14
79.583	0.00	0.02	0.019	0					0.14
79.667	0.00	0.02	0.019	0					0.14
79.750	0.00	0.02	0.019	0					0.14
79.833	0.00	0.02	0.018	0					0.13
79.917	0.00	0.02	0.018	0					0.13
80.000	0.00	0.02	0.018	0					0.13
80.083	0.00	0.02	0.018	0					0.13
80.167	0.00	0.02	0.018	0					0.13
80.250	0.00	0.02	0.018	0					0.13
80.333	0.00	0.02	0.018	0					0.13
80.417	0.00	0.02	0.018	0					0.13
80.500	0.00	0.02	0.018	0					0.13
80.583	0.00	0.02	0.018	0					0.13
80.667	0.00	0.01	0.017	0					0.13
80.750	0.00	0.01	0.017	0					0.13
80.833	0.00	0.01	0.017	0					0.13
80.917	0.00	0.01	0.017	0					0.12
81.000	0.00	0.01	0.017	0					0.12
81.083	0.00	0.01	0.017	0					0.12
81.167	0.00	0.01	0.017	0					0.12
81.250	0.00	0.01	0.017	0					0.12
81.333	0.00	0.01	0.017	0					0.12
81.417	0.00	0.01	0.016	0					0.12
81.500	0.00	0.01	0.016	0					0.12
81.583	0.00	0.01	0.016	0					0.12
81.667	0.00	0.01	0.016	0					0.12

81.750	0.00	0.01	0.016	0					0.12
81.833	0.00	0.01	0.016	0					0.12
81.917	0.00	0.01	0.016	0					0.12
82.000	0.00	0.01	0.016	0					0.12
82.083	0.00	0.01	0.016	0					0.11
82.167	0.00	0.01	0.016	0					0.11
82.250	0.00	0.01	0.016	0					0.11
82.333	0.00	0.01	0.015	0					0.11
82.417	0.00	0.01	0.015	0					0.11
82.500	0.00	0.01	0.015	0					0.11
82.583	0.00	0.01	0.015	0					0.11
82.667	0.00	0.01	0.015	0					0.11
82.750	0.00	0.01	0.015	0					0.11
82.833	0.00	0.01	0.015	0					0.11
82.917	0.00	0.01	0.015	0					0.11
83.000	0.00	0.01	0.015	0					0.11
83.083	0.00	0.01	0.015	0					0.11
83.167	0.00	0.01	0.015	0					0.11
83.250	0.00	0.01	0.014	0					0.11
83.333	0.00	0.01	0.014	0					0.11
83.417	0.00	0.01	0.014	0					0.10
83.500	0.00	0.01	0.014	0					0.10
83.583	0.00	0.01	0.014	0					0.10
83.667	0.00	0.01	0.014	0					0.10
83.750	0.00	0.01	0.014	0					0.10
83.833	0.00	0.01	0.014	0					0.10
83.917	0.00	0.01	0.014	0					0.10
84.000	0.00	0.01	0.014	0					0.10
84.083	0.00	0.01	0.014	0					0.10
84.167	0.00	0.01	0.014	0					0.10
84.250	0.00	0.01	0.013	0					0.10
84.333	0.00	0.01	0.013	0					0.10
84.417	0.00	0.01	0.013	0					0.10
84.500	0.00	0.01	0.013	0					0.10
84.583	0.00	0.01	0.013	0					0.10
84.667	0.00	0.01	0.013	0					0.10
84.750	0.00	0.01	0.013	0					0.09
84.833	0.00	0.01	0.013	0					0.09
84.917	0.00	0.01	0.013	0					0.09
85.000	0.00	0.01	0.013	0					0.09
85.083	0.00	0.01	0.013	0					0.09
85.167	0.00	0.01	0.013	0					0.09
85.250	0.00	0.01	0.013	0					0.09
85.333	0.00	0.01	0.012	0					0.09
85.417	0.00	0.01	0.012	0					0.09
85.500	0.00	0.01	0.012	0					0.09
85.583	0.00	0.01	0.012	0					0.09
85.667	0.00	0.01	0.012	0					0.09
85.750	0.00	0.01	0.012	0					0.09
85.833	0.00	0.01	0.012	0					0.09

85.917	0.00	0.01	0.012	0					0.09
86.000	0.00	0.01	0.012	0					0.09
86.083	0.00	0.01	0.012	0					0.09
86.167	0.00	0.01	0.012	0					0.09
86.250	0.00	0.01	0.012	0					0.09
86.333	0.00	0.01	0.012	0					0.08
86.417	0.00	0.01	0.012	0					0.08
86.500	0.00	0.01	0.011	0					0.08
86.583	0.00	0.01	0.011	0					0.08
86.667	0.00	0.01	0.011	0					0.08
86.750	0.00	0.01	0.011	0					0.08
86.833	0.00	0.01	0.011	0					0.08
86.917	0.00	0.01	0.011	0					0.08
87.000	0.00	0.01	0.011	0					0.08
87.083	0.00	0.01	0.011	0					0.08
87.167	0.00	0.01	0.011	0					0.08
87.250	0.00	0.01	0.011	0					0.08
87.333	0.00	0.01	0.011	0					0.08
87.417	0.00	0.01	0.011	0					0.08
87.500	0.00	0.01	0.011	0					0.08
87.583	0.00	0.01	0.011	0					0.08
87.667	0.00	0.01	0.011	0					0.08
87.750	0.00	0.01	0.011	0					0.08
87.833	0.00	0.01	0.010	0					0.08
87.917	0.00	0.01	0.010	0					0.08
88.000	0.00	0.01	0.010	0					0.08
88.083	0.00	0.01	0.010	0					0.07
88.167	0.00	0.01	0.010	0					0.07
88.250	0.00	0.01	0.010	0					0.07
88.333	0.00	0.01	0.010	0					0.07
88.417	0.00	0.01	0.010	0					0.07
88.500	0.00	0.01	0.010	0					0.07
88.583	0.00	0.01	0.010	0					0.07
88.667	0.00	0.01	0.010	0					0.07
88.750	0.00	0.01	0.010	0					0.07
88.833	0.00	0.01	0.010	0					0.07
88.917	0.00	0.01	0.010	0					0.07
89.000	0.00	0.01	0.010	0					0.07
89.083	0.00	0.01	0.010	0					0.07
89.167	0.00	0.01	0.009	0					0.07
89.250	0.00	0.01	0.009	0					0.07
89.333	0.00	0.01	0.009	0					0.07
89.417	0.00	0.01	0.009	0					0.07
89.500	0.00	0.01	0.009	0					0.07
89.583	0.00	0.01	0.009	0					0.07
89.667	0.00	0.01	0.009	0					0.07
89.750	0.00	0.01	0.009	0					0.07
89.833	0.00	0.01	0.009	0					0.07
89.917	0.00	0.01	0.009	0					0.07
90.000	0.00	0.01	0.009	0					0.07

90.083	0.00	0.01	0.009	0					0.06
90.167	0.00	0.01	0.009	0					0.06
90.250	0.00	0.01	0.009	0					0.06
90.333	0.00	0.01	0.009	0					0.06
90.417	0.00	0.01	0.009	0					0.06
90.500	0.00	0.01	0.009	0					0.06
90.583	0.00	0.01	0.009	0					0.06
90.667	0.00	0.01	0.009	0					0.06
90.750	0.00	0.01	0.008	0					0.06
90.833	0.00	0.01	0.008	0					0.06
90.917	0.00	0.01	0.008	0					0.06
91.000	0.00	0.01	0.008	0					0.06
91.083	0.00	0.01	0.008	0					0.06
91.167	0.00	0.01	0.008	0					0.06
91.250	0.00	0.01	0.008	0					0.06
91.333	0.00	0.01	0.008	0					0.06
91.417	0.00	0.01	0.008	0					0.06
91.500	0.00	0.01	0.008	0					0.06
91.583	0.00	0.01	0.008	0					0.06
91.667	0.00	0.01	0.008	0					0.06
91.750	0.00	0.01	0.008	0					0.06
91.833	0.00	0.01	0.008	0					0.06
91.917	0.00	0.01	0.008	0					0.06
92.000	0.00	0.01	0.008	0					0.06
92.083	0.00	0.01	0.008	0					0.06
92.167	0.00	0.01	0.008	0					0.06
92.250	0.00	0.01	0.008	0					0.06
92.333	0.00	0.01	0.008	0					0.06
92.417	0.00	0.01	0.008	0					0.06
92.500	0.00	0.01	0.007	0					0.05
92.583	0.00	0.01	0.007	0					0.05
92.667	0.00	0.01	0.007	0					0.05
92.750	0.00	0.01	0.007	0					0.05
92.833	0.00	0.01	0.007	0					0.05
92.917	0.00	0.01	0.007	0					0.05
93.000	0.00	0.01	0.007	0					0.05
93.083	0.00	0.01	0.007	0					0.05
93.167	0.00	0.01	0.007	0					0.05
93.250	0.00	0.01	0.007	0					0.05
93.333	0.00	0.01	0.007	0					0.05
93.417	0.00	0.01	0.007	0					0.05
93.500	0.00	0.01	0.007	0					0.05
93.583	0.00	0.01	0.007	0					0.05
93.667	0.00	0.01	0.007	0					0.05
93.750	0.00	0.01	0.007	0					0.05
93.833	0.00	0.01	0.007	0					0.05
93.917	0.00	0.01	0.007	0					0.05
94.000	0.00	0.01	0.007	0					0.05
94.083	0.00	0.01	0.007	0					0.05
94.167	0.00	0.01	0.007	0					0.05

94.250	0.00	0.01	0.007	0					0.05
94.333	0.00	0.01	0.007	0					0.05
94.417	0.00	0.01	0.007	0					0.05
94.500	0.00	0.01	0.006	0					0.05
94.583	0.00	0.01	0.006	0					0.05
94.667	0.00	0.01	0.006	0					0.05
94.750	0.00	0.01	0.006	0					0.05
94.833	0.00	0.01	0.006	0					0.05
94.917	0.00	0.01	0.006	0					0.05
95.000	0.00	0.01	0.006	0					0.05
95.083	0.00	0.01	0.006	0					0.05
95.167	0.00	0.01	0.006	0					0.05
95.250	0.00	0.01	0.006	0					0.04
95.333	0.00	0.01	0.006	0					0.04
95.417	0.00	0.01	0.006	0					0.04
95.500	0.00	0.01	0.006	0					0.04
95.583	0.00	0.01	0.006	0					0.04
95.667	0.00	0.01	0.006	0					0.04
95.750	0.00	0.01	0.006	0					0.04
95.833	0.00	0.01	0.006	0					0.04
95.917	0.00	0.01	0.006	0					0.04
96.000	0.00	0.01	0.006	0					0.04
96.083	0.00	0.01	0.006	0					0.04
96.167	0.00	0.00	0.006	0					0.04
96.250	0.00	0.00	0.006	0					0.04
96.333	0.00	0.00	0.006	0					0.04
96.417	0.00	0.00	0.006	0					0.04
96.500	0.00	0.00	0.006	0					0.04
96.583	0.00	0.00	0.006	0					0.04
96.667	0.00	0.00	0.006	0					0.04
96.750	0.00	0.00	0.006	0					0.04
96.833	0.00	0.00	0.006	0					0.04
96.917	0.00	0.00	0.005	0					0.04
97.000	0.00	0.00	0.005	0					0.04
97.083	0.00	0.00	0.005	0					0.04
97.167	0.00	0.00	0.005	0					0.04
97.250	0.00	0.00	0.005	0					0.04
97.333	0.00	0.00	0.005	0					0.04
97.417	0.00	0.00	0.005	0					0.04
97.500	0.00	0.00	0.005	0					0.04
97.583	0.00	0.00	0.005	0					0.04
97.667	0.00	0.00	0.005	0					0.04
97.750	0.00	0.00	0.005	0					0.04
97.833	0.00	0.00	0.005	0					0.04
97.917	0.00	0.00	0.005	0					0.04
98.000	0.00	0.00	0.005	0					0.04
98.083	0.00	0.00	0.005	0					0.04
98.167	0.00	0.00	0.005	0					0.04
98.250	0.00	0.00	0.005	0					0.04
98.333	0.00	0.00	0.005	0					0.04

98.417	0.00	0.00	0.005	0					0.04
98.500	0.00	0.00	0.005	0					0.04
98.583	0.00	0.00	0.005	0					0.04
98.667	0.00	0.00	0.005	0					0.04
98.750	0.00	0.00	0.005	0					0.04
98.833	0.00	0.00	0.005	0					0.03
98.917	0.00	0.00	0.005	0					0.03
99.000	0.00	0.00	0.005	0					0.03
99.083	0.00	0.00	0.005	0					0.03
99.167	0.00	0.00	0.005	0					0.03
99.250	0.00	0.00	0.005	0					0.03
99.333	0.00	0.00	0.005	0					0.03
99.417	0.00	0.00	0.005	0					0.03
99.500	0.00	0.00	0.005	0					0.03
99.583	0.00	0.00	0.005	0					0.03
99.667	0.00	0.00	0.004	0					0.03
99.750	0.00	0.00	0.004	0					0.03
99.833	0.00	0.00	0.004	0					0.03
99.917	0.00	0.00	0.004	0					0.03
100.000	0.00	0.00	0.004	0					0.03
100.083	0.00	0.00	0.004	0					0.03
100.167	0.00	0.00	0.004	0					0.03
100.250	0.00	0.00	0.004	0					0.03
100.333	0.00	0.00	0.004	0					0.03
100.417	0.00	0.00	0.004	0					0.03
100.500	0.00	0.00	0.004	0					0.03
100.583	0.00	0.00	0.004	0					0.03
100.667	0.00	0.00	0.004	0					0.03
100.750	0.00	0.00	0.004	0					0.03
100.833	0.00	0.00	0.004	0					0.03
100.917	0.00	0.00	0.004	0					0.03
101.000	0.00	0.00	0.004	0					0.03
101.083	0.00	0.00	0.004	0					0.03
101.167	0.00	0.00	0.004	0					0.03
101.250	0.00	0.00	0.004	0					0.03
101.333	0.00	0.00	0.004	0					0.03
101.417	0.00	0.00	0.004	0					0.03
101.500	0.00	0.00	0.004	0					0.03
101.583	0.00	0.00	0.004	0					0.03
101.667	0.00	0.00	0.004	0					0.03
101.750	0.00	0.00	0.004	0					0.03
101.833	0.00	0.00	0.004	0					0.03
101.917	0.00	0.00	0.004	0					0.03
102.000	0.00	0.00	0.004	0					0.03
102.083	0.00	0.00	0.004	0					0.03
102.167	0.00	0.00	0.004	0					0.03
102.250	0.00	0.00	0.004	0					0.03
102.333	0.00	0.00	0.004	0					0.03
102.417	0.00	0.00	0.004	0					0.03
102.500	0.00	0.00	0.004	0					0.03

102.583	0.00	0.00	0.004	0					0.03
102.667	0.00	0.00	0.004	0					0.03
102.750	0.00	0.00	0.004	0					0.03
102.833	0.00	0.00	0.004	0					0.03
102.917	0.00	0.00	0.004	0					0.03
103.000	0.00	0.00	0.004	0					0.03
103.083	0.00	0.00	0.004	0					0.03
103.167	0.00	0.00	0.004	0					0.03
103.250	0.00	0.00	0.003	0					0.03
103.333	0.00	0.00	0.003	0					0.03
103.417	0.00	0.00	0.003	0					0.03
103.500	0.00	0.00	0.003	0					0.02
103.583	0.00	0.00	0.003	0					0.02
103.667	0.00	0.00	0.003	0					0.02
103.750	0.00	0.00	0.003	0					0.02
103.833	0.00	0.00	0.003	0					0.02
103.917	0.00	0.00	0.003	0					0.02
104.000	0.00	0.00	0.003	0					0.02
104.083	0.00	0.00	0.003	0					0.02
104.167	0.00	0.00	0.003	0					0.02
104.250	0.00	0.00	0.003	0					0.02
104.333	0.00	0.00	0.003	0					0.02
104.417	0.00	0.00	0.003	0					0.02
104.500	0.00	0.00	0.003	0					0.02
104.583	0.00	0.00	0.003	0					0.02
104.667	0.00	0.00	0.003	0					0.02
104.750	0.00	0.00	0.003	0					0.02
104.833	0.00	0.00	0.003	0					0.02
104.917	0.00	0.00	0.003	0					0.02
105.000	0.00	0.00	0.003	0					0.02
105.083	0.00	0.00	0.003	0					0.02
105.167	0.00	0.00	0.003	0					0.02
105.250	0.00	0.00	0.003	0					0.02
105.333	0.00	0.00	0.003	0					0.02
105.417	0.00	0.00	0.003	0					0.02
105.500	0.00	0.00	0.003	0					0.02
105.583	0.00	0.00	0.003	0					0.02
105.667	0.00	0.00	0.003	0					0.02
105.750	0.00	0.00	0.003	0					0.02
105.833	0.00	0.00	0.003	0					0.02
105.917	0.00	0.00	0.003	0					0.02
106.000	0.00	0.00	0.003	0					0.02
106.083	0.00	0.00	0.003	0					0.02
106.167	0.00	0.00	0.003	0					0.02
106.250	0.00	0.00	0.003	0					0.02
106.333	0.00	0.00	0.003	0					0.02
106.417	0.00	0.00	0.003	0					0.02
106.500	0.00	0.00	0.003	0					0.02
106.583	0.00	0.00	0.003	0					0.02
106.667	0.00	0.00	0.003	0					0.02

106.750	0.00	0.00	0.003	0					0.02
106.833	0.00	0.00	0.003	0					0.02
106.917	0.00	0.00	0.003	0					0.02
107.000	0.00	0.00	0.003	0					0.02
107.083	0.00	0.00	0.003	0					0.02
107.167	0.00	0.00	0.003	0					0.02
107.250	0.00	0.00	0.003	0					0.02
107.333	0.00	0.00	0.003	0					0.02
107.417	0.00	0.00	0.003	0					0.02
107.500	0.00	0.00	0.003	0					0.02
107.583	0.00	0.00	0.003	0					0.02
107.667	0.00	0.00	0.003	0					0.02
107.750	0.00	0.00	0.003	0					0.02
107.833	0.00	0.00	0.003	0					0.02
107.917	0.00	0.00	0.003	0					0.02
108.000	0.00	0.00	0.002	0					0.02
108.083	0.00	0.00	0.002	0					0.02
108.167	0.00	0.00	0.002	0					0.02
108.250	0.00	0.00	0.002	0					0.02
108.333	0.00	0.00	0.002	0					0.02
108.417	0.00	0.00	0.002	0					0.02
108.500	0.00	0.00	0.002	0					0.02
108.583	0.00	0.00	0.002	0					0.02
108.667	0.00	0.00	0.002	0					0.02
108.750	0.00	0.00	0.002	0					0.02
108.833	0.00	0.00	0.002	0					0.02
108.917	0.00	0.00	0.002	0					0.02
109.000	0.00	0.00	0.002	0					0.02
109.083	0.00	0.00	0.002	0					0.02
109.167	0.00	0.00	0.002	0					0.02
109.250	0.00	0.00	0.002	0					0.02
109.333	0.00	0.00	0.002	0					0.02
109.417	0.00	0.00	0.002	0					0.02
109.500	0.00	0.00	0.002	0					0.02
109.583	0.00	0.00	0.002	0					0.02
109.667	0.00	0.00	0.002	0					0.02
109.750	0.00	0.00	0.002	0					0.02
109.833	0.00	0.00	0.002	0					0.02
109.917	0.00	0.00	0.002	0					0.02
110.000	0.00	0.00	0.002	0					0.02
110.083	0.00	0.00	0.002	0					0.02
110.167	0.00	0.00	0.002	0					0.02
110.250	0.00	0.00	0.002	0					0.02
110.333	0.00	0.00	0.002	0					0.02
110.417	0.00	0.00	0.002	0					0.02
110.500	0.00	0.00	0.002	0					0.02
110.583	0.00	0.00	0.002	0					0.02
110.667	0.00	0.00	0.002	0					0.02
110.750	0.00	0.00	0.002	0					0.01
110.833	0.00	0.00	0.002	0					0.01

110.917	0.00	0.00	0.002	0					0.01
111.000	0.00	0.00	0.002	0					0.01
111.083	0.00	0.00	0.002	0					0.01
111.167	0.00	0.00	0.002	0					0.01
111.250	0.00	0.00	0.002	0					0.01
111.333	0.00	0.00	0.002	0					0.01
111.417	0.00	0.00	0.002	0					0.01
111.500	0.00	0.00	0.002	0					0.01
111.583	0.00	0.00	0.002	0					0.01
111.667	0.00	0.00	0.002	0					0.01
111.750	0.00	0.00	0.002	0					0.01
111.833	0.00	0.00	0.002	0					0.01
111.917	0.00	0.00	0.002	0					0.01
112.000	0.00	0.00	0.002	0					0.01
112.083	0.00	0.00	0.002	0					0.01
112.167	0.00	0.00	0.002	0					0.01
112.250	0.00	0.00	0.002	0					0.01
112.333	0.00	0.00	0.002	0					0.01
112.417	0.00	0.00	0.002	0					0.01
112.500	0.00	0.00	0.002	0					0.01
112.583	0.00	0.00	0.002	0					0.01
112.667	0.00	0.00	0.002	0					0.01
112.750	0.00	0.00	0.002	0					0.01
112.833	0.00	0.00	0.002	0					0.01
112.917	0.00	0.00	0.002	0					0.01
113.000	0.00	0.00	0.002	0					0.01
113.083	0.00	0.00	0.002	0					0.01
113.167	0.00	0.00	0.002	0					0.01
113.250	0.00	0.00	0.002	0					0.01
113.333	0.00	0.00	0.002	0					0.01
113.417	0.00	0.00	0.002	0					0.01
113.500	0.00	0.00	0.002	0					0.01
113.583	0.00	0.00	0.002	0					0.01
113.667	0.00	0.00	0.002	0					0.01
113.750	0.00	0.00	0.002	0					0.01
113.833	0.00	0.00	0.002	0					0.01
113.917	0.00	0.00	0.002	0					0.01
114.000	0.00	0.00	0.002	0					0.01
114.083	0.00	0.00	0.002	0					0.01
114.167	0.00	0.00	0.002	0					0.01
114.250	0.00	0.00	0.002	0					0.01
114.333	0.00	0.00	0.002	0					0.01
114.417	0.00	0.00	0.002	0					0.01
114.500	0.00	0.00	0.002	0					0.01
114.583	0.00	0.00	0.002	0					0.01
114.667	0.00	0.00	0.002	0					0.01
114.750	0.00	0.00	0.002	0					0.01
114.833	0.00	0.00	0.002	0					0.01
114.917	0.00	0.00	0.002	0					0.01
115.000	0.00	0.00	0.002	0					0.01

115.083	0.00	0.00	0.002	0					0.01
115.167	0.00	0.00	0.001	0					0.01
115.250	0.00	0.00	0.001	0					0.01
115.333	0.00	0.00	0.001	0					0.01
115.417	0.00	0.00	0.001	0					0.01
115.500	0.00	0.00	0.001	0					0.01
115.583	0.00	0.00	0.001	0					0.01
115.667	0.00	0.00	0.001	0					0.01
115.750	0.00	0.00	0.001	0					0.01
115.833	0.00	0.00	0.001	0					0.01
115.917	0.00	0.00	0.001	0					0.01
116.000	0.00	0.00	0.001	0					0.01
116.083	0.00	0.00	0.001	0					0.01
116.167	0.00	0.00	0.001	0					0.01
116.250	0.00	0.00	0.001	0					0.01
116.333	0.00	0.00	0.001	0					0.01
116.417	0.00	0.00	0.001	0					0.01
116.500	0.00	0.00	0.001	0					0.01
116.583	0.00	0.00	0.001	0					0.01
116.667	0.00	0.00	0.001	0					0.01
116.750	0.00	0.00	0.001	0					0.01
116.833	0.00	0.00	0.001	0					0.01
116.917	0.00	0.00	0.001	0					0.01
117.000	0.00	0.00	0.001	0					0.01
117.083	0.00	0.00	0.001	0					0.01
117.167	0.00	0.00	0.001	0					0.01
117.250	0.00	0.00	0.001	0					0.01
117.333	0.00	0.00	0.001	0					0.01
117.417	0.00	0.00	0.001	0					0.01
117.500	0.00	0.00	0.001	0					0.01
117.583	0.00	0.00	0.001	0					0.01
117.667	0.00	0.00	0.001	0					0.01
117.750	0.00	0.00	0.001	0					0.01
117.833	0.00	0.00	0.001	0					0.01
117.917	0.00	0.00	0.001	0					0.01
118.000	0.00	0.00	0.001	0					0.01
118.083	0.00	0.00	0.001	0					0.01
118.167	0.00	0.00	0.001	0					0.01
118.250	0.00	0.00	0.001	0					0.01
118.333	0.00	0.00	0.001	0					0.01
118.417	0.00	0.00	0.001	0					0.01
118.500	0.00	0.00	0.001	0					0.01
118.583	0.00	0.00	0.001	0					0.01
118.667	0.00	0.00	0.001	0					0.01
118.750	0.00	0.00	0.001	0					0.01

Remaining water in basin = 0.00 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 1425

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 2.462 (CFS)

Total volume = 1.952 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000
