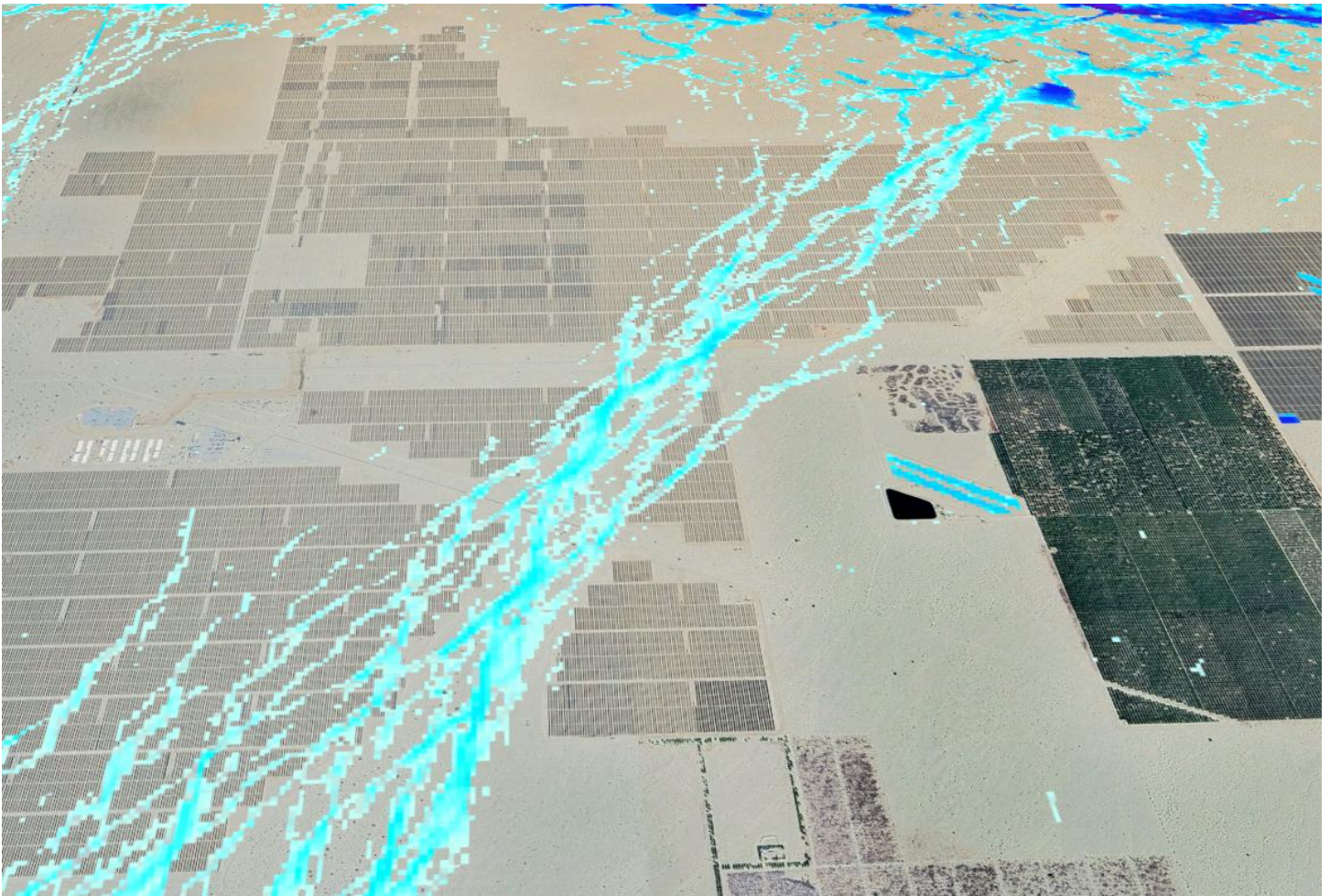


Appendix I: Hydrology Report

Note to Reader: The Hydrology Report addresses resources within the Savira Project boundary; however, the the report refers to the prior name of the project (the Bajada Project). All references to the "Bajada Project" are therefore to the Savira Project instead.



PRELIMINARY HYDROLOGY STUDY

Bajada Solar Project

Riverside County, California

APRIL 10, 2026

PREPARED FOR:



PREPARED BY:

Westwood

Preliminary Hydrology Study

Bajada Solar Project

Riverside County, California

Prepared For:

Clearway Energy
100 California Street, Suite 560
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Prepared By:

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Project Number: R0053189.00

Date: April 10, 2026

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Exhibits

- Exhibit 1: Location Map
- Exhibit 2: Base Hydrologic Map
- Exhibit 3: Soils Map
- Exhibit 4: Landcover Map
- Exhibit 5: Curve Number and Topographic Source Map
- Exhibit 6: 100-Year Max Flood Depth Map
- Exhibit 6A: 100-Year Max Flood Depth Project Area Map
- Exhibit 7: 100-Year Peak Velocity Map
- Exhibit 7A: 100-Year Peak Velocity Project Area Map
- Exhibit 8: 100-Year Scour Map

Appendices

- Appendix A: NOAA Atlas 14 Precipitation Data
- Appendix B: Curve Number Table
- Appendix C: Inflow Hydrograph

Executive Summary

The purpose of this study is to analyze and review the existing hydrology of the Bajada Solar Project (Project or Site) and any impacts that the hydrology may play in the design of the proposed solar array. This report was prepared to be used by the Project Team in the design and layout of the Project and not intended for submittal to reviewing agencies for stormwater permitting. This information will be sufficient for the preliminary engineering design or for contractor/EPC bidding purposes.

The Project Site is proposed on approximately 473 acres and is located within Riverside County, California, approximately 6.5 miles east of Desert Center, California. The Site is located on relatively flat land that generally slopes to the northeast. The modeled watershed area encompasses approximately 72 square miles and generally drains towards the east.

The analysis shows low water depths and low velocities (Exhibits 6 through 7A) across the majority of the Site. Higher flood depths exist within the wash in the northwestern corner of the Site, along with the low areas in the north region of the Site. Velocities are expected to be more moderate within this wash, but minimal elsewhere. Minimal scour is expected on site, outside of the washes described.

Based on experience with similar projects, the majority of the Site is suitable for the planned development by avoiding or designing to areas of high flood depths.

1.0 Data Sources

Table 1 – Data Sources

Task	Format	Source	Use
Elevation	1-ft Contours	Clearway Energy Group	Onsite FLO-2D Model Elevations
	10-ft grid of 1.65ft LiDAR	TNM	Offsite FLO-2D Model Elevations
	10m DEM	USDA Data Gateway	
Crop Data	Shapefile	USDA 2021 Cropland Data Layer	Landcover
Soils	Shapefile	USGS SSURGO Dataset	Curve Numbers
	Shapefile	USDA STATSGO Dataset	
Precipitation	PDF File	NOAA Atlas 14	Design Storms
HUC-12 Drainage Boundary	Shapefile	USGS	Define Model Extents
Site Boundary	24047 - REDONDA_BAJADA - TRACKER - 20240304(PRIVATE LAND ONLY - COUNTY PERMITTING)	Clearway Energy	Define Model Extents
2014 Aerial Photography	ArcGIS Map Service	USDA FSA	Reference
FEMA Flood Zones	PDF; Shapefile	FEMA	Reference
Culvert Locating and Sizing	Aerial Imagery	Google Earth	Culvert Modeling

2.0 Coordinate System

Table 2 – Coordinate System Used

Projection	State Plane Coordinate System
Zone	California Zone VI (FIPS 406)
Datum	NAD83
Planar Units	Feet (U.S. Survey)

3.0 Existing Conditions

3.1 Project Location

The Project Site covers approximately 473 acres and is located within Riverside County, California (Exhibit 1). The Project Site is located approximately 75 miles southeast of Palm Springs, California, and is located near Desert Center, California. Desert Center is located 6.5 miles west of the Project Area (Exhibit 1).

3.2 Watershed Hydrology

The modeled watershed area encompasses approximately 72 square miles that generally drains to the east with contributing drainage from the adjacent ridges to the north and south. The modeled watershed is a portion of a much larger watershed (roughly 1,007 square miles) that starts west of the project and flows east into the modeled watershed. The modeled watershed is comprised of many unnamed washes and flow paths, with a particularly large wash flowing roughly 1 mile north of the project area. See the NHD flowlines on Exhibits 2 and 6 for defined wash locations.

3.3 Onsite Conditions

The Project is located largely within a valley, though the Site is split by a HUC-12 boundary in the northwest. In general, the Site is fairly flat and has a consistent slope of 2% throughout the Site, with water draining to the northeast.

US Fish and Wildlife Service National Wetlands Inventory (NWI Wetlands) provides information on the distribution of US wetlands and are shown in Exhibit 2. The NWI Wetlands dataset is not all-inclusive and other wetlands not shown may exist. The landcover on the Project area is primarily desert shrubland (Exhibit 4) and has soils that are primarily belonging to Hydrologic Soil Groups (HSG) D (Exhibit 3). Typically, D soils are Clays. Soils belonging to Hydrologic Soil Group D exhibit very low infiltration rates; therefore, standing water will be slow to infiltrate during and after storm events when compared to soils belonging to Hydrologic Soil Groups A or B.

The main potential hydrologic issues on Site are flashy flows and erosive velocities.

3.4 FEMA Flood Zones

FEMA has completed a study to determine flood hazards for the selected location; the project area is covered by panel 06065C2450G, although this panel has not been printed. The entire project watershed is covered by a FEMA Zone D flood hazard (Exhibit 2). A FEMA Zone D flood hazard is an area with a potentially moderate to high risk of flooding, but the probability of the flood risk has not been determined. No preliminary or pending FEMA changes are proposed within the project area.

3.5 CA DWR Flood Awareness Floodplains

The California Department of Water Resources (CA DWR) has conducted their own study to delineate floodplains and identify areas of increased flood risk. The floodplain layer from this study was reviewed, showing no areas within the Site in the floodplain.

4.0 Proposed Conditions

4.1 Proposed Conditions

The majority of the proposed solar facility will consist of above ground mounted solar modules. Natural desert landscaping should be restored below the modules and would make up the majority of the land cover. A small amount of impervious surface will be added from the BESS, substation, and O&M facilities. The Project should be designed to minimize grading and maintain existing drainage patterns. A flood analysis of pre-development and post development depths may need to be completed once civil design is finalized for permitting purposes.

4.2 Post-Construction Stormwater Management

Please refer to the Stormwater Management Plan being prepared for the Project for onsite stormwater management practices.

As the Project design advances, the post-construction stormwater management should be reviewed in further detail with the County Engineer.

5.0 FLO-2D Modeling

5.1 FLO-2D Modeling Overview

FLO-2D is a physical process model that routes rainfall runoff and flood hydrographs over specified flow surfaces or in channels using the dynamic wave approximation to the momentum equation. FLO-2D offers advantages over 1-D models and unit hydrograph methods by allowing for breakout flows and visualization of flows across a potential site. The primary inputs are a DTM (elevation data), curve numbers and precipitation. Major bridges under Interstate 10 were pre-burned into the topographic data to allow flows under the highway and to the site. These bridges were reviewed and confirmed using Aerial Imagery provided by Google Earth (Exhibits 6-8).

Because of the complexity of upstream and adjacent flowpaths, and the project's proximity to the large desert washes within the overall watershed, a small-scale FLO-2D model with inflow hydrographs and 50-foot grid cells was utilized to determine flow depths and velocities throughout the Site.

5.2 Elevation Data

The elevation data input into the FLO-2D model was a blend of 1-foot onsite contour data provided by Clearway, a 10-ft resolution DEM of 1.65ft LiDAR data from The National Map (TNM), and 10m DEM Data from the USGS Data Gateway (Exhibit 5). This data was incorporated into the DTM using the export to XYZ function in Global Mapper. These XYZ files are read directly into FLO-2D.

5.3 Watershed Soils and Land Cover

USDA-NRCS SSURGO and STATSGO soil data provides soil types within the Project boundary and full coverage of the contributing watershed. Soils are primarily classified as Hydrologic Soil Groups (HSG) A and D, and dual Hydrologic Soil Group A/D within the Project boundary (Exhibit 3). Land cover was obtained from the USDA 2013 Cropland Data Layer. Exhibit 4 displays the land cover classes for the entire watershed. Curve numbers were applied to each grid cell in the FLO-2D model based on intersecting the grid with the curve numbers (Exhibit 5).

5.4 Precipitation

Precipitation data was downloaded from NOAA Atlas 14 and used for the FLO-2D analysis for the 100-year, 24-hour storm event. This storm event has a rainfall depth of 4.09 inches. Modeling the 100-year, 24-hour storm event for this location allows for the best initial analysis in order to determine the worst areas of flooding and erosion. Rainfall inputs were distributed based on a site-specific nested Atlas 14 distribution pattern.

5.5 Inflows

The overall contributing watershed to the project area is approximately 1,007 square miles; to model this entire watershed would significantly reduce the model resolution onsite. In order to accurately account for the upstream flows while also maintaining an appropriate resolution, an initial coarse-scale FLO-2D model was created and run, incorporating spatially varied rainfall depths and a Depth-Area Reduction Factor to more accurately account for the variations across such a large watershed. Utilizing the floodplain cross section tool within FLO-2D, flow hydrographs were computed within the coarse-scale model, at the upstream limits of the smaller modeled watershed, to determine the inflows for the small scale-model. All results presented and discussed within this report are from the small-scale, higher-resolution model. Inflow hydrographs and peak flow rates from the coarse-scale model can be seen in Appendix D. Inflow locations can be seen on Exhibits 6 and 7.

6.0 Flood Analysis Results

6.1 Existing Conditions Flood Analysis

The analysis shows low water depths and low velocities (Exhibits 6 through 7A) across the majority of the Site. During a 100-year storm, the flood depths across the majority of the Project Area are less than 0.5 feet with velocities less than 1 foot/second, with the exception of the northwest corner of the Site and the low areas in the northern portion of the Site, where the depths can reach as high as 2.2 feet. See Table 3 below for a breakdown of flood depths within the Project Site.

Table 3 – Flood Depths Onsite

Peak Flow Depth (ft)	Percentage of Project Area Covered by Peak Flow Depths
0.00 - 0.49	97.6%
0.50 - 1.00	1.2%
1.01 - 1.50	0.4%
1.51 - 2.00	0.8%
2.01 - 2.50	<0.1%
2.51 - 3.00	0%
3.01 - 4.00	0%
4.01 - 6.00	0%
6.01+	0%

See Exhibits 6 through 7A for areas within the Project with higher flood depths and velocities.

6.2 Scour

Minimal scour is expected onsite (Exhibit 8). The scour depths calculated for this Project are based on HEC-18 Pier Scour Equations of a 6-inch-wide pile perpendicular to flow. Scour calculations consist of local scour only with unarmored soils and pile bases to provide the conservative local scour results. These scour results do not account for general, rill, or gully scour.

7.0 Recommendations

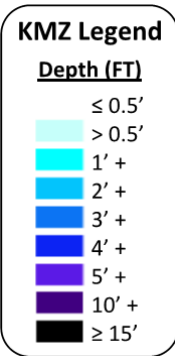
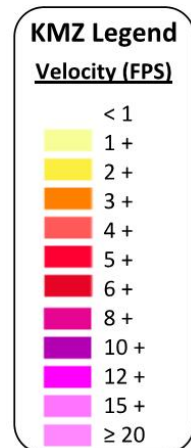
Based on experience on similar projects, the Site is suitable for the planned development and hydrologic concerns can be addressed by either avoiding areas of high flood depths or through detailed engineering design.

8.0 Next Steps

1. Final engineering design should account for the flood depths and velocities presented in Exhibits 6-7A.
2. Facilities to be elevated 1' above the 100-year, 24-hour peak flood elevations.
3. Stormwater management should be revisited to ensure the final design meets the local and state requirements.

9.0 Included Output Files

1. Shapefile of 100-year, 24-hour Rain Event Flow Depth
2024-05-31_Bajada_PrelimFlowDepthAtCell_100yr24hr.shp
Attribute "ID" = Grid Cell Number
Attribute "VAR" = Max Flow Depth (Feet)
2. Shapefile of 100-year, 24-hour Rain Event Velocity
2024-05-31_Bajada_PrelimVelocityAtCell_100yr24hr.shp
Attribute "ID" = Grid Cell Number
Attribute "VAR" = Max Velocity (Feet)
3. KMZ of FLO-2D Results
2024-05-31_Bajada_PrelimFLO-2D.kmz
Overlay in Google Earth for graphical representation.



10.0 References Cited

National Engineering Handbook, Part 630 Hydrology. Chapter 9 Hydrologic Soil-Cover Complexes. USDA. NRCS. 210-VI-NEH, July 2004

USDA Geospatial Data Gateway, 10-meter DEM, Elevation data. Retrieved April 2021, from <https://datagateway.nrcs.usda.gov/>

The National Map, 1.65-foot DEM, Elevation data, Accessed April 2021, <https://viewer.nationalmap.gov/basic/>

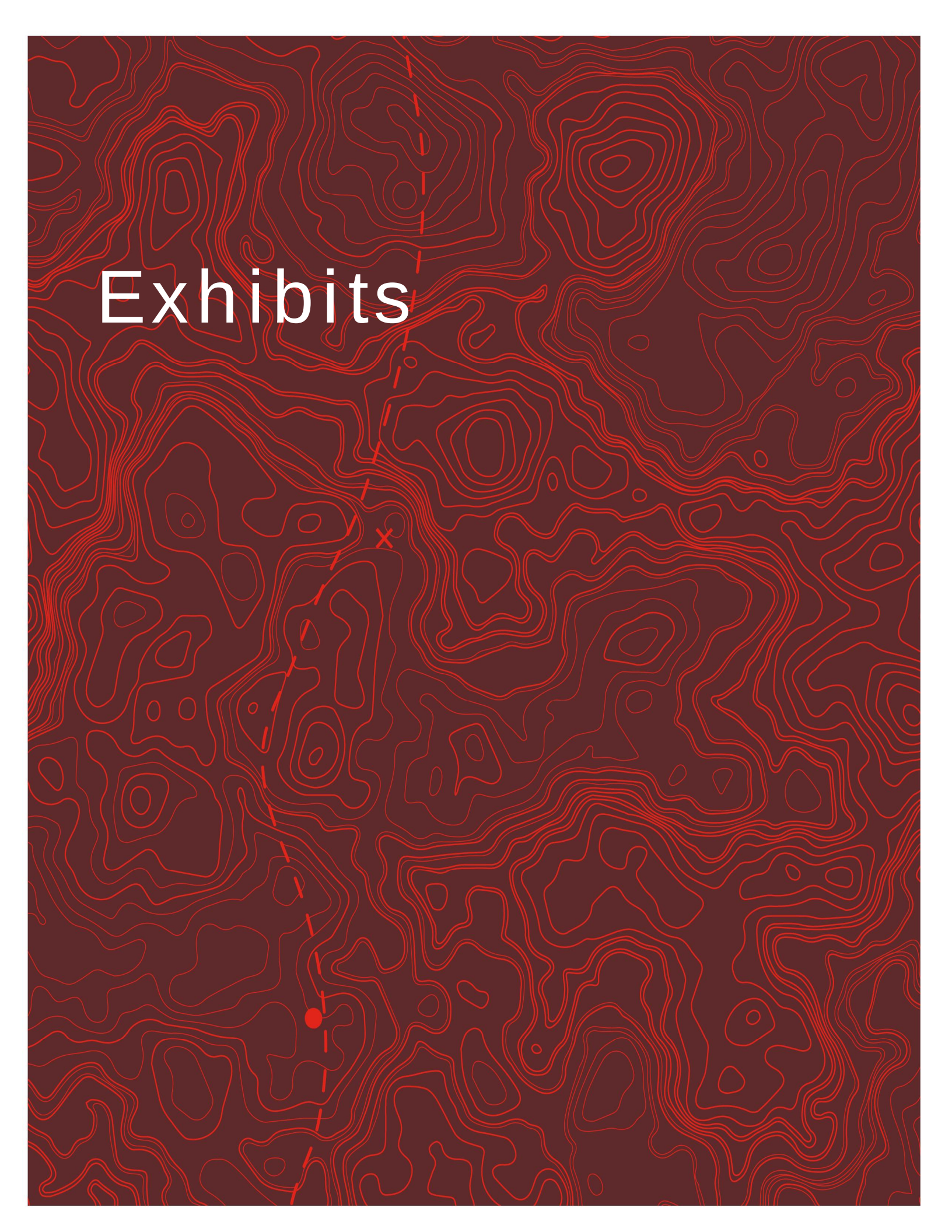
Web soil survey. Retrieved April 2021, from <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

NOAA Atlas 14 Point Precipitation Frequency Estimates. Retrieved April 2021, from <https://hdsc.nws.noaa.gov/hdsc/pfds/>

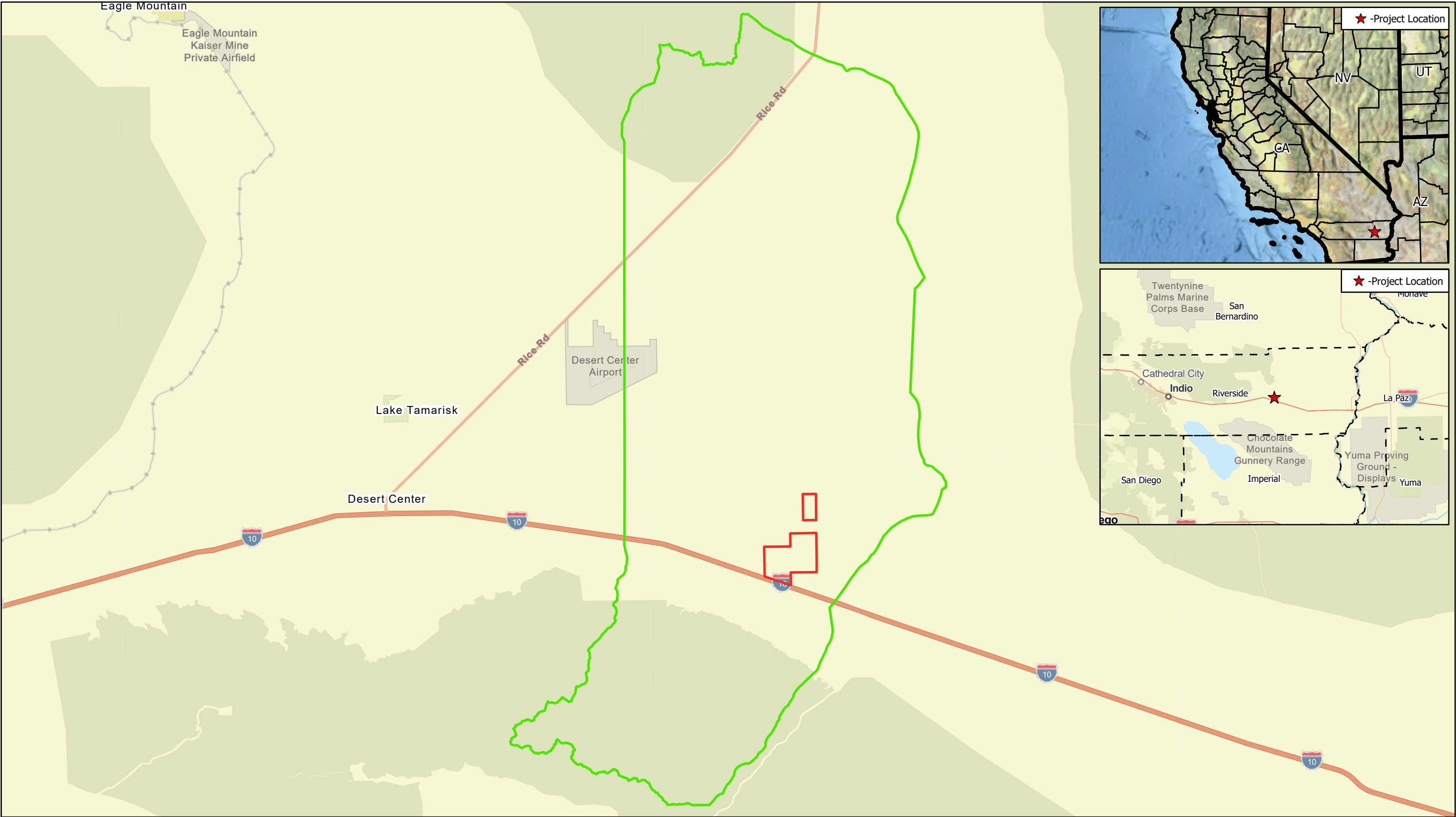
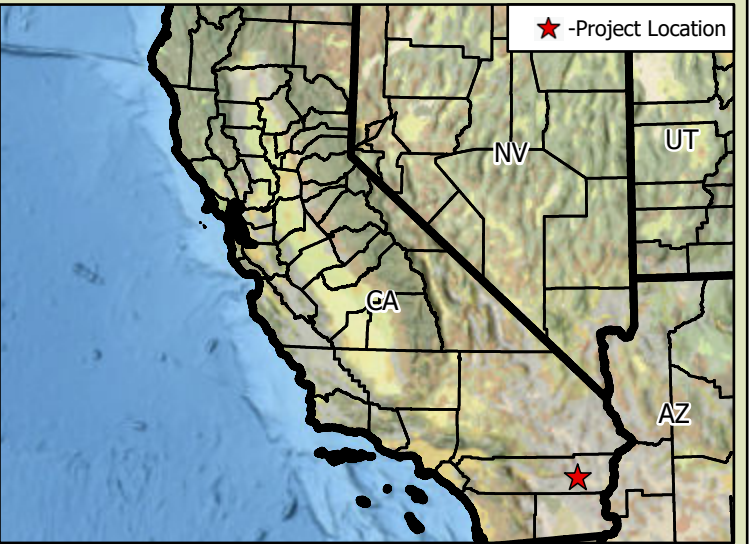
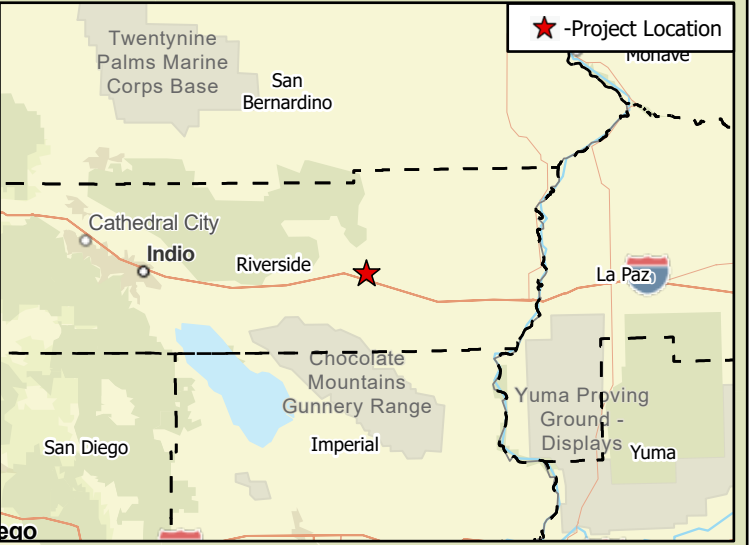
USGS. USGS water resources: About USGS water resources. Retrieved March 2021, from <https://water.usgs.gov/GIS/huc.html>

USDA 2013 Cropland Data Layer, Landcover data. Retrieved March 2021, from https://www.nass.usda.gov/Research_and_Science/Cropland/Release/

FEMA Flood Insurance Rate Maps. Retrieved April 2021, from <https://msc.fema.gov/portal/advanceSearch#searchresultsanchor>

The background of the entire page is a dark red color with a complex pattern of lighter red contour lines, resembling a topographic map. A dashed red line runs diagonally from the top left towards the bottom left. Along this dashed line, there are three distinct markers: a small red dot near the bottom, a red 'X' in the middle, and a small red circle near the top.

Exhibits



Data Source(s): Westwood (2024); Esri WMS Basemap Imagery (Accessed 2024); USGS (2024); FEMA (2024); USDA (2024)

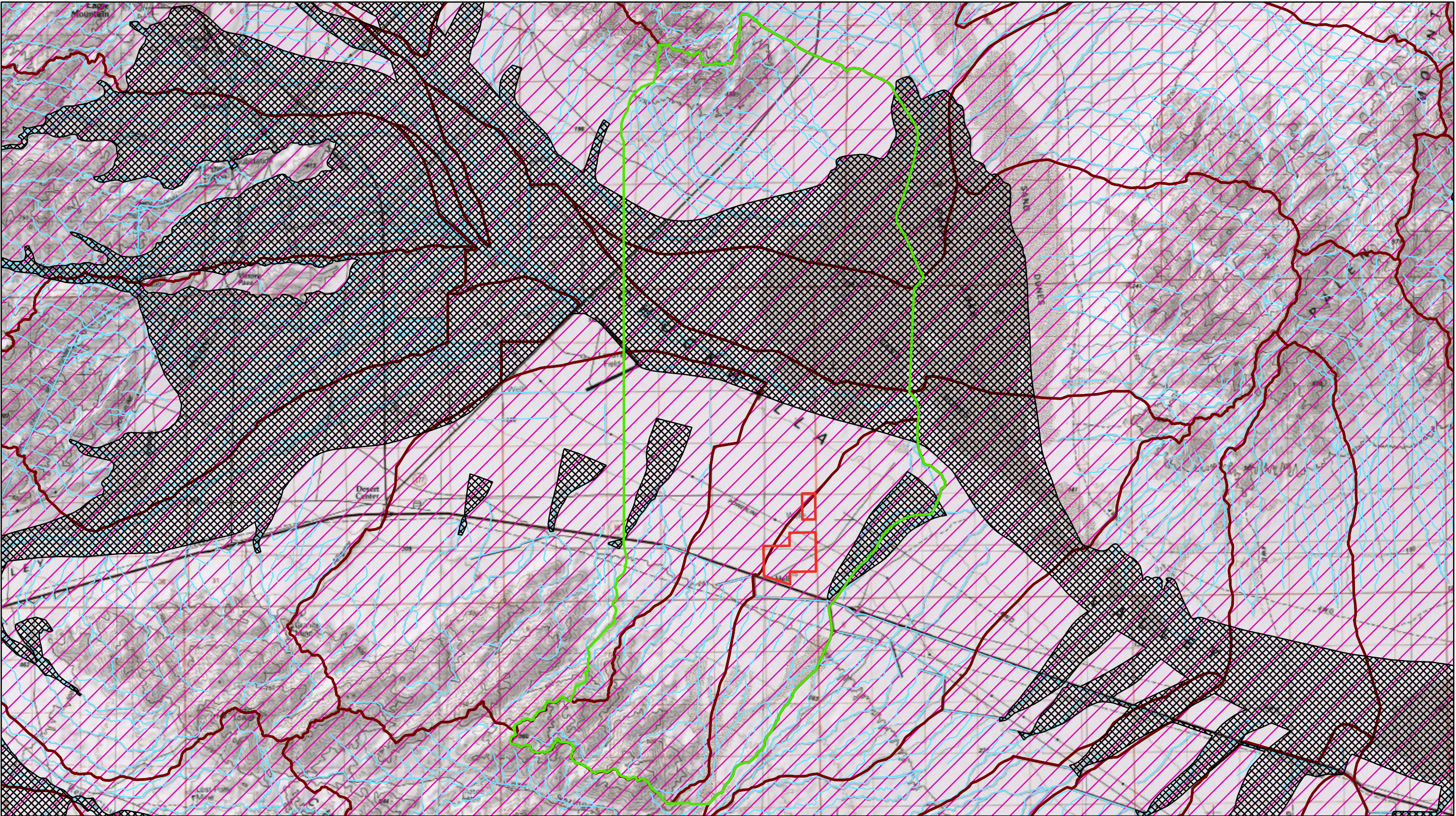
Westwood
Toll Free (888) 937-5150 westwoodps.com

Legend

-  Project Boundary
-  FLO-2D Boundary
-  County Boundary



Bajada Solar Project
Riverside County, California
Location Map
Exhibit 1: Location Map
May 31, 2024



Data Source(s): Westwood (2024); Esri WMS
Basemap Imagery (Accessed 2024); USGS
(2024); FEMA (2024); USDA (2024)

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Legend

- | | |
|--|---|
|  Project Boundary |  NHD Flowline |
|  FLO-2D Boundary |  CA DWR Flood Awareness Floodplain |
|  County Boundary |  FEMA Zone D |
|  HUC-12 Boundary | |

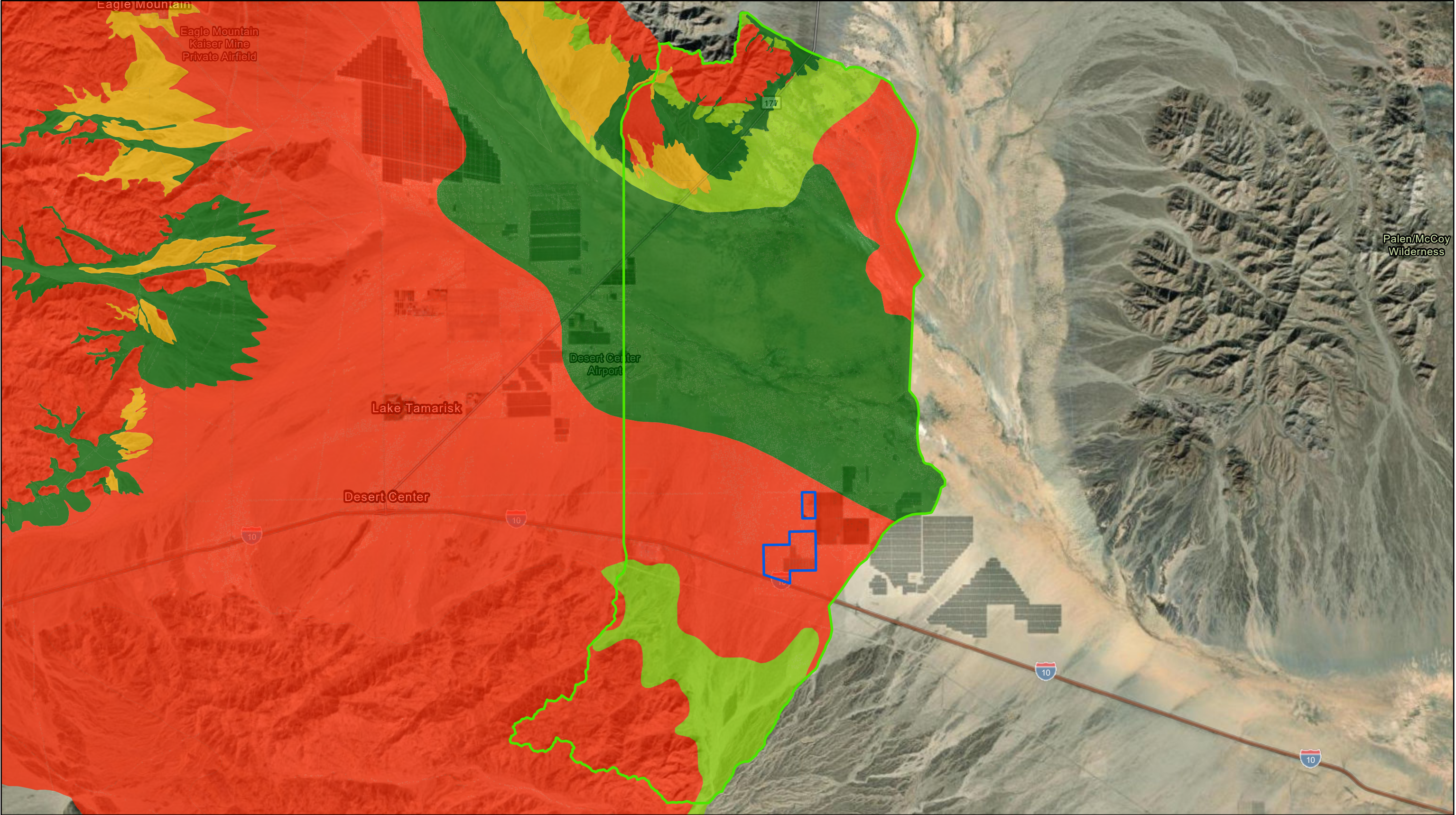


0 1 Miles

Bajada Solar Project

Riverside County, California

Exhibit 2: Base Map
May 31, 2024



Data Source(s): Westwood (2024); Esri WMS Basemap Imagery (Accessed 2024); USGS (2024); FEMA (2024); USDA (2024)

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Legend



Project Boundary



FLO-2D Boundary



County Boundary

Hydrologic Soil Group



A



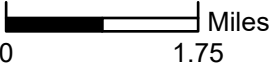
B



C



D

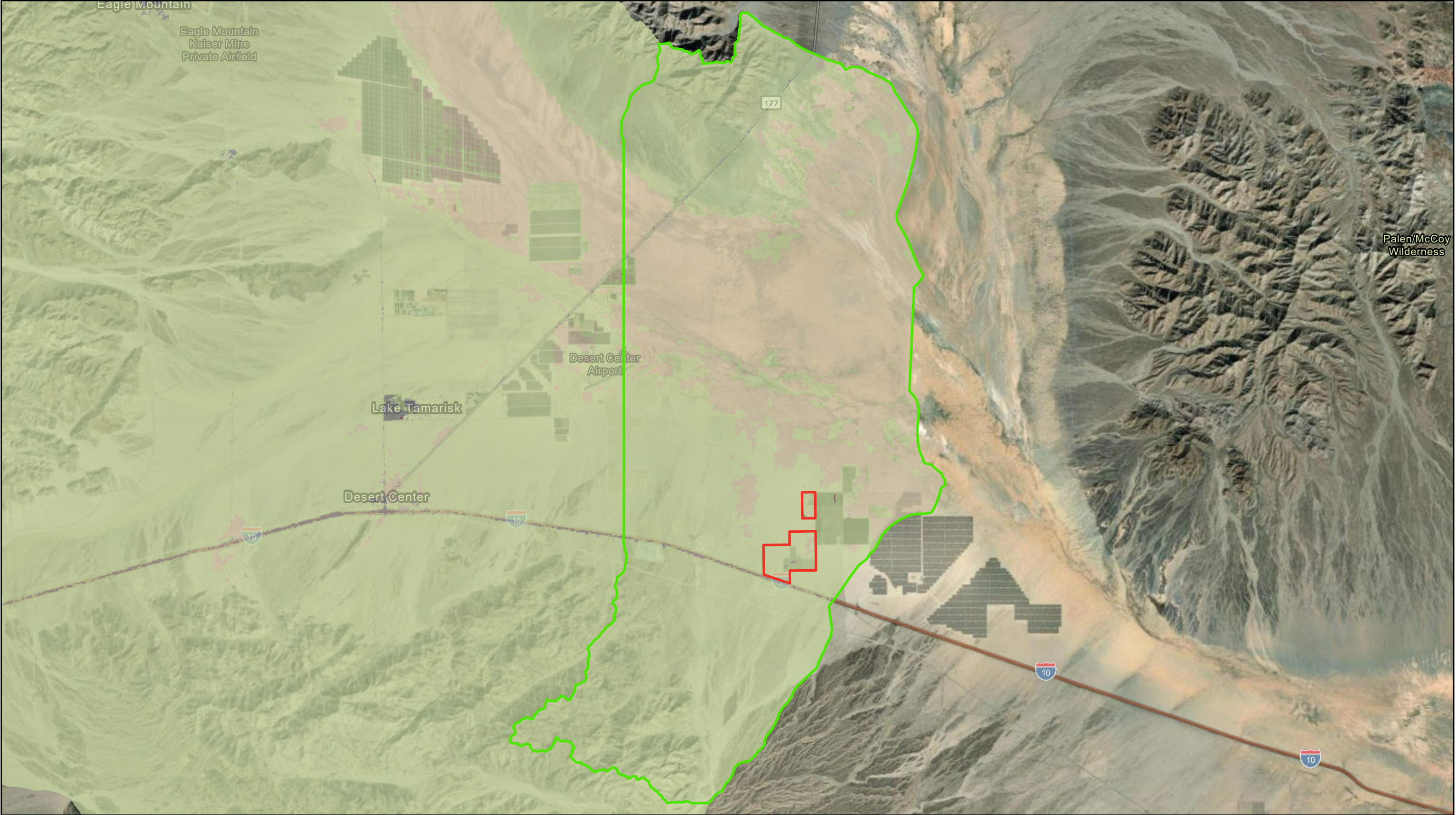


Bajada Solar Project

Riverside County, California

Exhibit 3: Soils Map

May 31, 2024



Data Source(s): Westwood (2024); Esri WMS Basemap Imagery (Accessed 2024); USGS (2024); FEMA (2024); USDA (2024)

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Legend

-  Project Boundary
-  FLO-2D Boundary
-  County Boundary

Landcover

-  Barren
-  Developed

-  Forested
-  Orchard
-  Prairie/Pasture

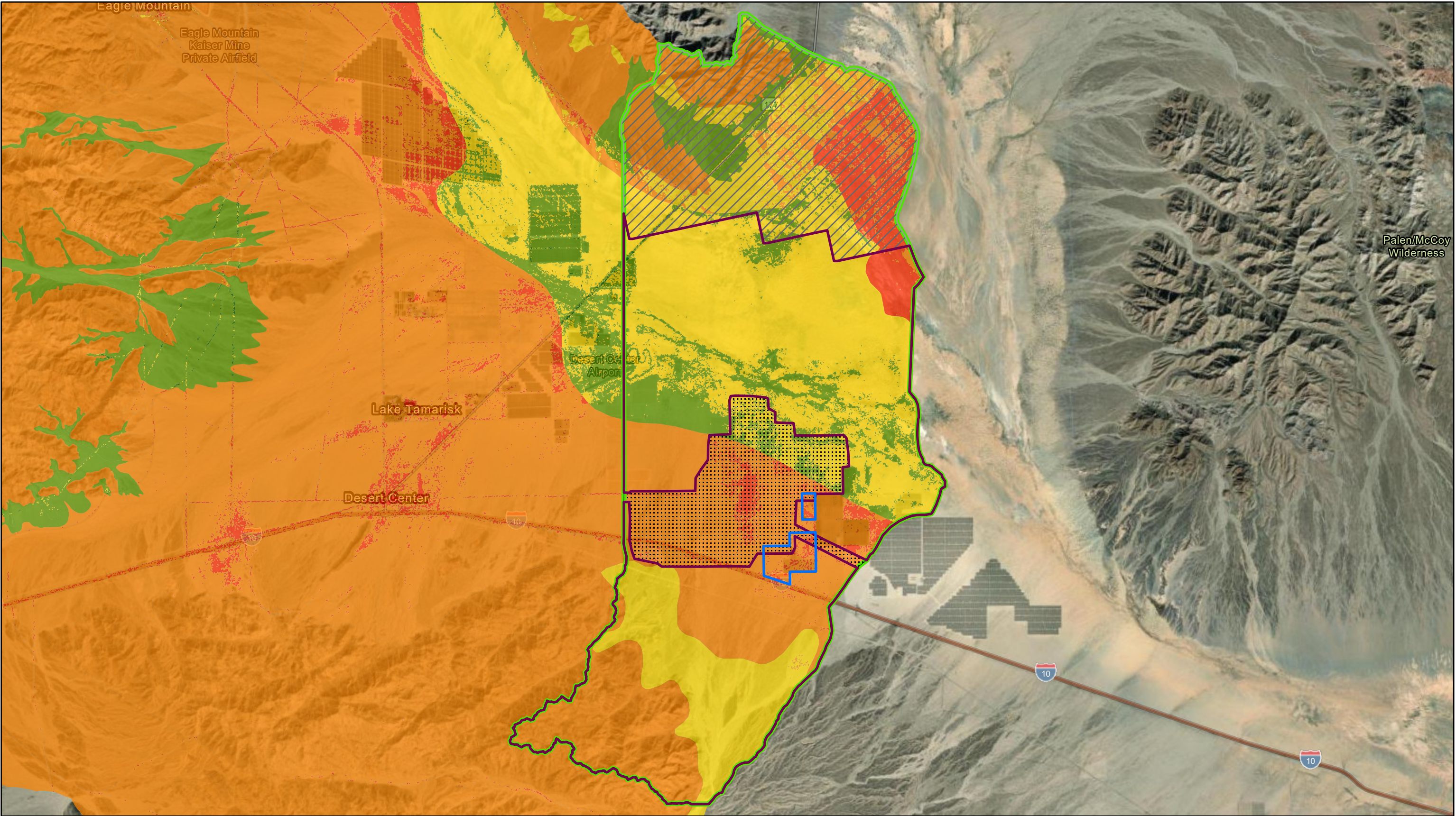
-  Shrubland
-  Wetland



0 1.75 Miles

Bajada Solar Project
Riverside County, California

Exhibit 4: Landcover Map
May 31, 2024



Data Source(s): Westwood (2024); Esri WMS
Basemap Imagery (Accessed 2024); USGS
(2024); FEMA (2024); USDA (2024)

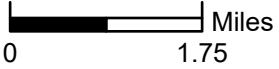
Westwood

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Legend

- | | |
|--|---|
|  Project Boundary |  1m LiDAR Coverage |
|  FLO-2D Boundary |  10m Topo Coverage |
|  County Boundary |  Clearway-Provided Topo Coverage |

Curve Number	
40 - 49	
50 - 59	
60 - 69	
70 - 79	
80 - 89	
90 - 99	

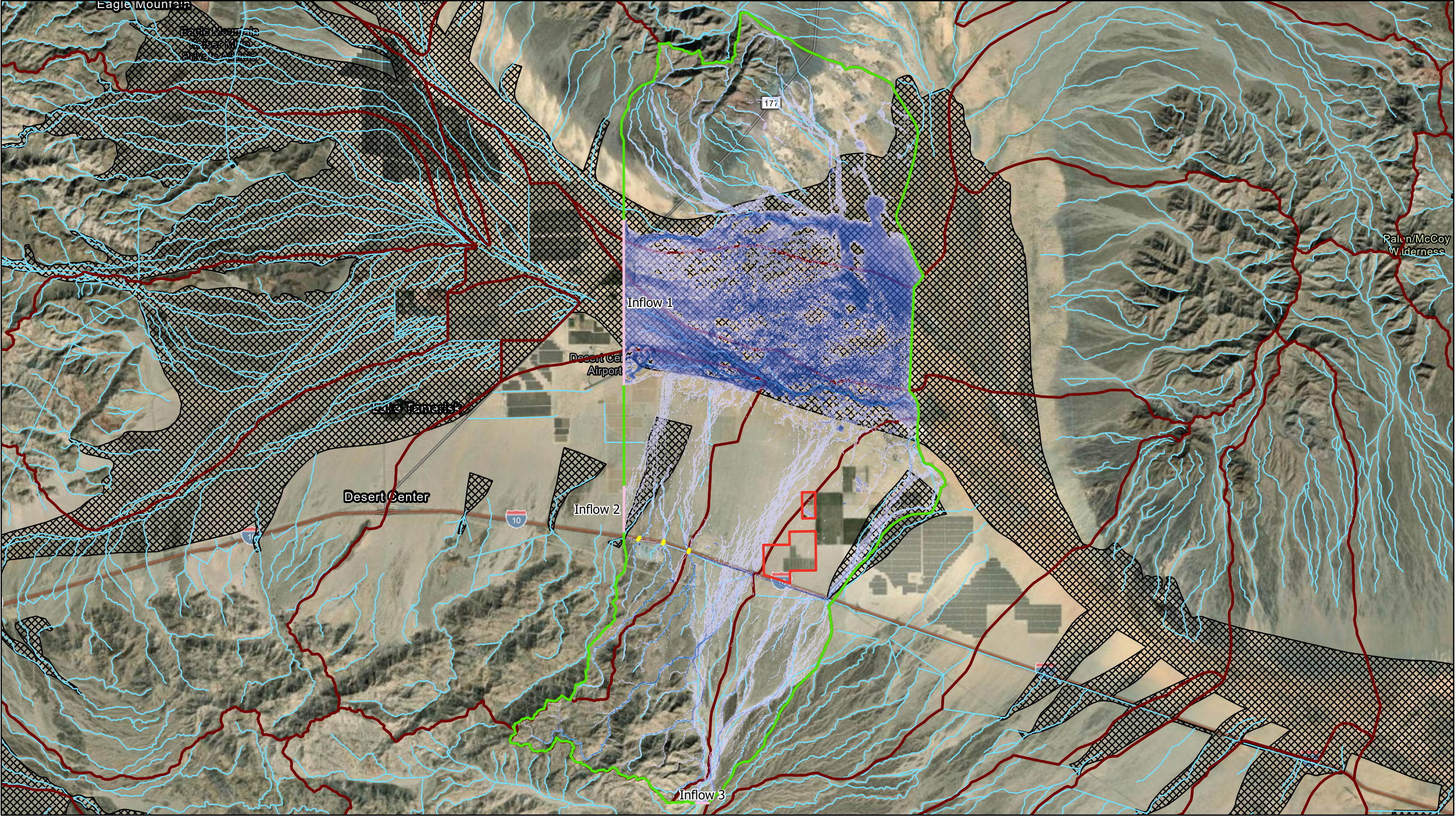


Bajada Solar Project

Riverside County, California

Exhibit 5: Curve Number and
Topographic Source Map

May 31, 2024



Data Source(s): Westwood (2024); Esri WMS Basemap Imagery (Accessed 2024); USGS (2024); FEMA (2024); USDA (2024)

Westwood

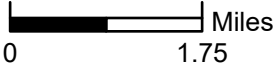
Toll Free (888) 937-5150 westwoodps.com

Legend

- Project Boundary
- FLO-2D Boundary
- County Boundary
- CA DWR Flood Awareness Floodplain
- HUC-12 Boundary
- NHD Flowline
- Inflow Locations
- Manually Burned Bridges

Peak Flow Depth (ft)

- 0.50 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- 2.01 - 2.50
- 2.51 - 3.00
- 3.01 - 4.00
- 4.01 - 6.00
- 6.01 +

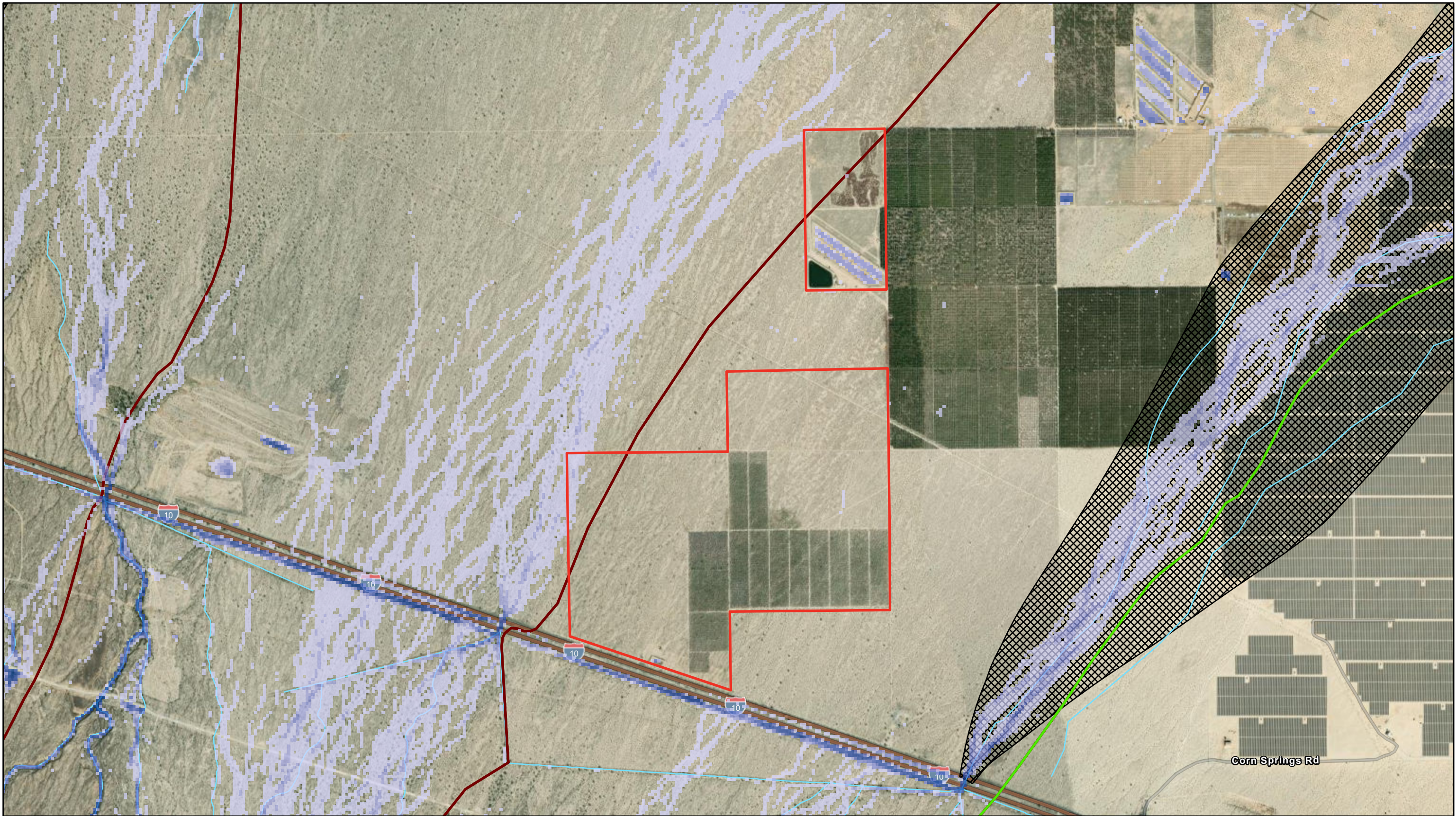


Bajada Solar Project

Riverside County, California

Exhibit 6: 100-Year
Max Water Depth Map

May 31, 2024



Data Source(s): Westwood (2024); Esri WMS
Basemap Imagery (Accessed 2024); USGS
(2024); FEMA (2024); USDA (2024)

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Legend

- Project Boundary
- FLO-2D Boundary
- County Boundary
- CA DWR Flood Awareness Floodplain
- HUC-12 Boundary

- Peak Flow Depth (ft)**
- 0.50 - 1.00
 - 1.01 - 1.50
 - 1.51 - 2.00
 - 2.01 - 2.50
 - 2.51 - 3.00
 - 3.01 - 4.00
 - 4.01 - 6.00
 - 6.01 +



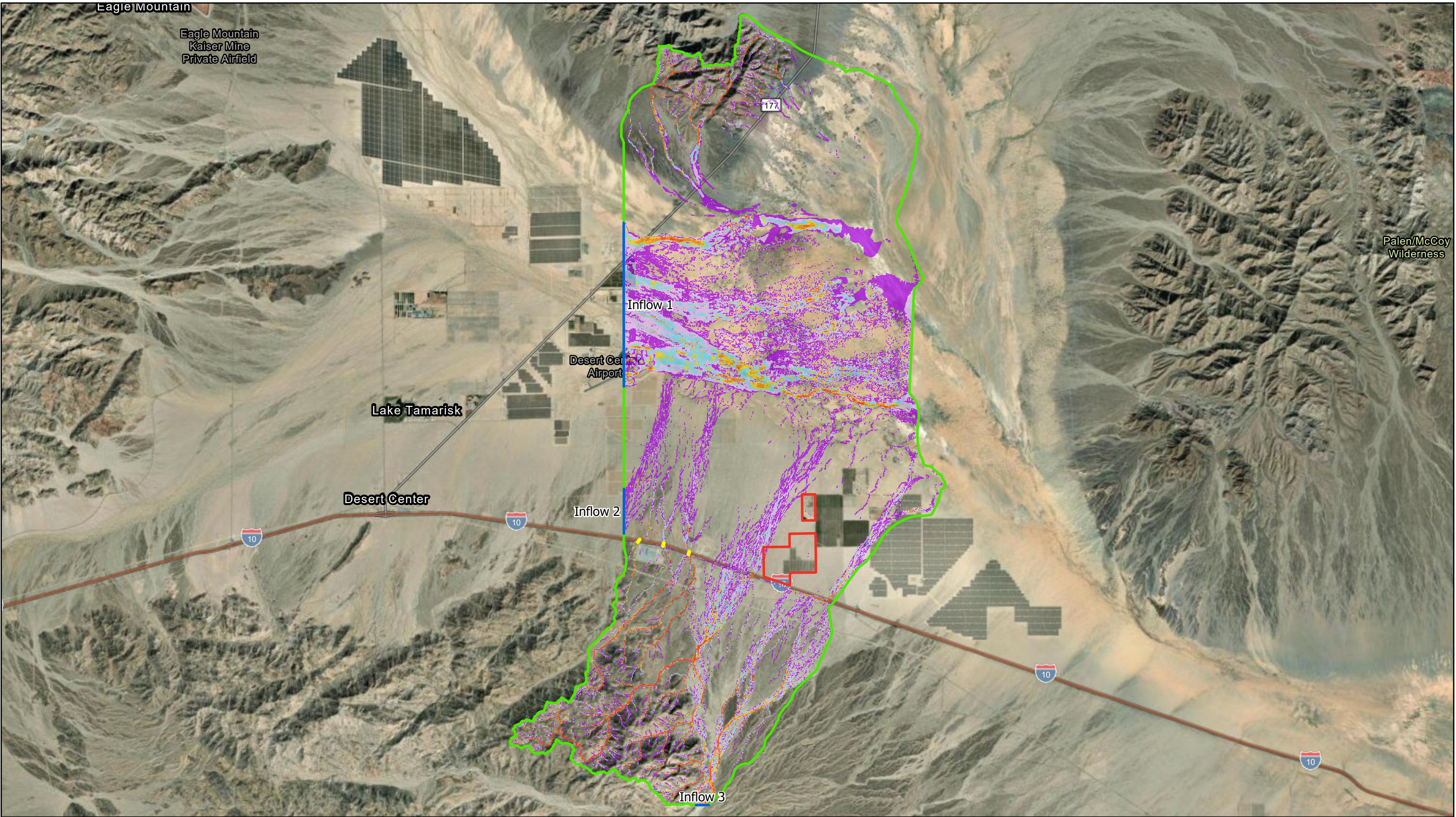
0 1,500 Feet

Bajada Solar Project

Riverside County, California

Exhibit 6A: 100-Year Max Water
Depth Project Area Map

May 31, 2024



Data Source(s): Westwood (2024); Esri WMS Basemap Imagery (Accessed 2024); USGS (2024); FEMA (2024); USDA (2024)

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Legend

- | | | | |
|--|---|---|---|
|  Project Boundary |  Manually Burned Bridges |  1.51 - 2.00 |  3.01 - 4.00 |
|  FLO-2D Boundary |  Inflow Locations |  2.01 - 2.50 |  4.01 + |
|  County Boundary | Peak Velocity (fps) |  2.51 - 3.00 | |
| |  1.00 - 1.50 | | |



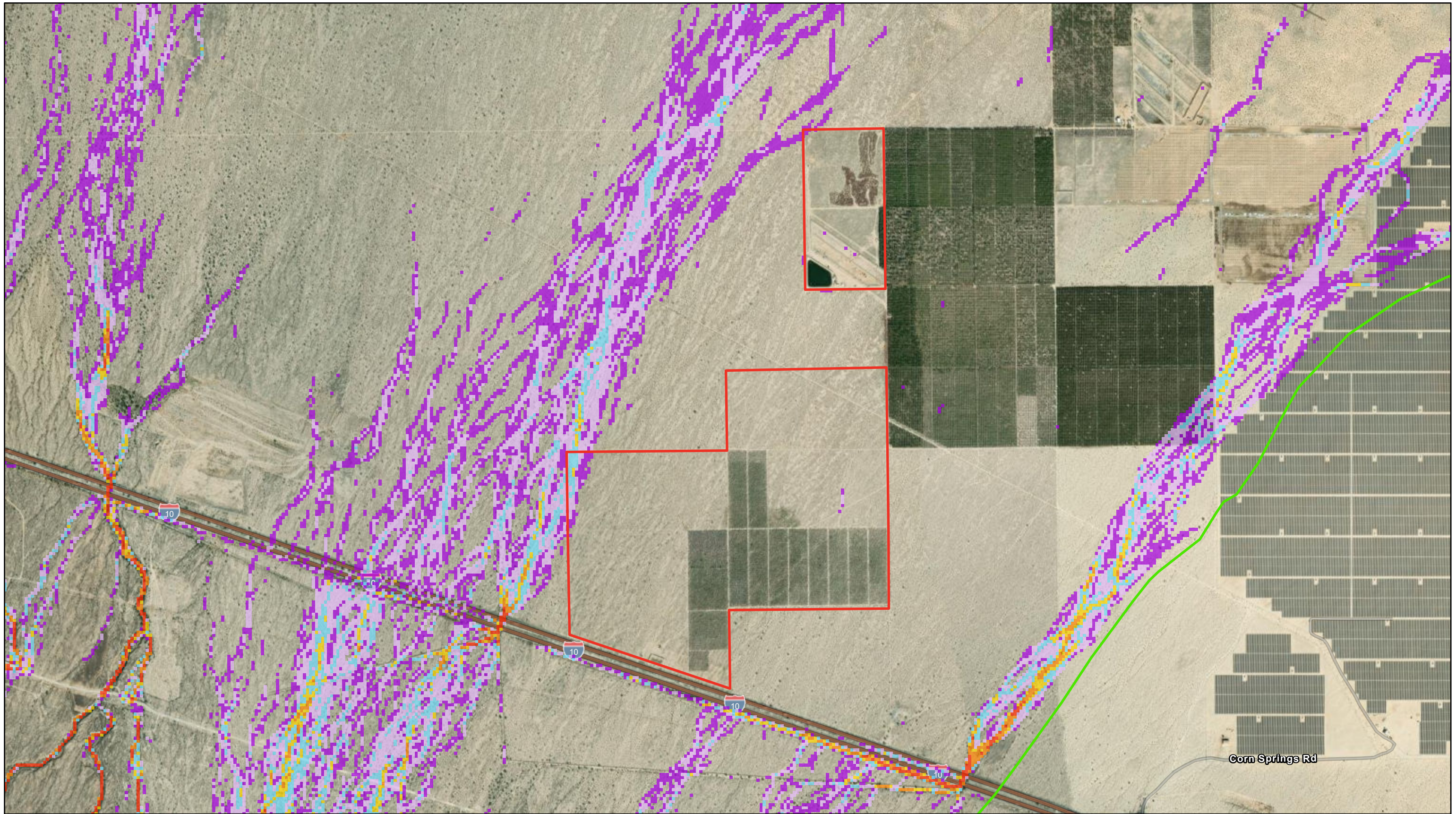
0 1.75 Miles

Bajada Solar Project

Riverside County, California

Exhibit 7: 100-Year
Peak Velocity Map

May 31, 2024



Data Source(s): Westwood (2024); Esri WMS
Basemap Imagery (Accessed 2024); USGS
(2024); FEMA (2024); USDA (2024)

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Legend

- Project Boundary
- FLO-2D Boundary
- County Boundary

Peak Velocity (fps)

- 1.00 - 1.50
- 1.51 - 2.00

- 2.01 - 2.50
- 2.51 - 3.00
- 3.01 - 4.00

- 4.01 +



0 1,500 Feet

Bajada Solar Project

Riverside County, California

Exhibit 7A: 100-Year Peak
Velocity Project Area Map

May 31, 2024



Data Source(s): Westwood (2024); Esri WMS
Basemap Imagery (Accessed 2024); USGS
(2024); FEMA (2024); USDA (2024)

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Legend

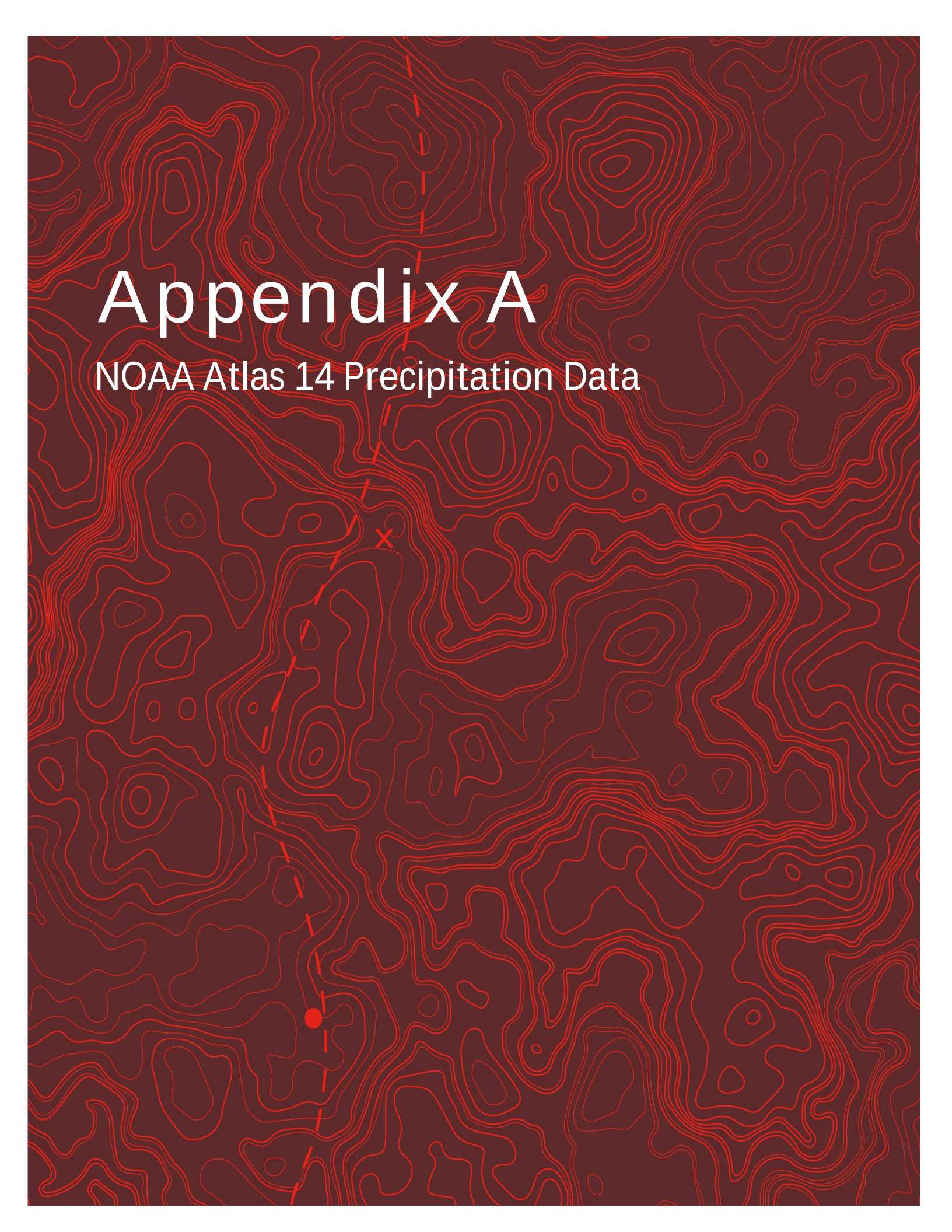
- | | | | | |
|---|------------------|---|---|--------|
|  | Project Boundary | Scour (ft) |  | 2.01 + |
|  | FLO-2D Boundary |  | 1.00 - 1.50 | |
|  | County Boundary |  | 1.51 - 2.00 | |



0  Feet
1,500

Bajada Solar Project
Riverside County, California

Exhibit 8: 100-Year Scour Map
May 31, 2024

The background of the entire page is a topographic map. It features a dense network of red contour lines of varying thicknesses, representing different elevation levels. A dashed red line runs diagonally from the upper left towards the lower center. An 'x' mark is placed on this dashed line in the middle section. A solid red dot is located further down the dashed line, near the bottom left. The text is centered in the upper half of the image.

Appendix A

NOAA Atlas 14 Precipitation Data



NOAA Atlas 14, Volume 6, Version 2
Location name: Desert Center, California, USA*
Latitude: 33.7518°, Longitude: -115.3673°
Elevation: 625.2 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 & aeriels](#)

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	0.081 (0.067-0.098)	0.127 (0.106-0.154)	0.192 (0.159-0.234)	0.248 (0.204-0.304)	0.329 (0.262-0.418)	0.396 (0.309-0.514)	0.468 (0.356-0.622)	0.548 (0.405-0.748)	0.663 (0.470-0.945)	0.760 (0.521-1.12)
10-min	0.116 (0.097-0.140)	0.182 (0.152-0.221)	0.275 (0.228-0.335)	0.355 (0.293-0.436)	0.472 (0.376-0.599)	0.568 (0.443-0.736)	0.671 (0.510-0.892)	0.785 (0.580-1.07)	0.951 (0.674-1.36)	1.09 (0.746-1.61)
15-min	0.140 (0.117-0.170)	0.221 (0.184-0.268)	0.333 (0.276-0.405)	0.430 (0.354-0.528)	0.571 (0.454-0.724)	0.687 (0.535-0.890)	0.812 (0.617-1.08)	0.949 (0.702-1.30)	1.15 (0.815-1.64)	1.32 (0.902-1.95)
30-min	0.195 (0.163-0.237)	0.307 (0.256-0.373)	0.464 (0.385-0.564)	0.599 (0.493-0.735)	0.795 (0.633-1.01)	0.957 (0.745-1.24)	1.13 (0.860-1.50)	1.32 (0.977-1.81)	1.60 (1.14-2.28)	1.84 (1.26-2.71)
60-min	0.264 (0.220-0.320)	0.415 (0.345-0.504)	0.626 (0.520-0.762)	0.809 (0.666-0.992)	1.07 (0.854-1.36)	1.29 (1.01-1.68)	1.53 (1.16-2.03)	1.79 (1.32-2.44)	2.16 (1.53-3.08)	2.48 (1.70-3.66)
2-hr	0.347 (0.289-0.421)	0.526 (0.438-0.638)	0.779 (0.646-0.948)	1.00 (0.823-1.23)	1.33 (1.06-1.68)	1.60 (1.25-2.07)	1.89 (1.44-2.52)	2.22 (1.64-3.04)	2.71 (1.92-3.86)	3.12 (2.13-4.60)
3-hr	0.397 (0.331-0.481)	0.594 (0.494-0.721)	0.874 (0.725-1.06)	1.12 (0.922-1.38)	1.49 (1.18-1.89)	1.79 (1.40-2.32)	2.13 (1.62-2.83)	2.50 (1.85-3.42)	3.06 (2.17-4.36)	3.53 (2.42-5.21)
6-hr	0.484 (0.403-0.587)	0.719 (0.598-0.873)	1.06 (0.875-1.28)	1.35 (1.11-1.66)	1.79 (1.43-2.27)	2.16 (1.69-2.80)	2.57 (1.96-3.42)	3.03 (2.24-4.14)	3.71 (2.63-5.29)	4.30 (2.94-6.34)
12-hr	0.564 (0.470-0.683)	0.851 (0.708-1.03)	1.26 (1.05-1.53)	1.62 (1.33-1.99)	2.15 (1.71-2.73)	2.59 (2.02-3.36)	3.08 (2.34-4.09)	3.62 (2.68-4.95)	4.42 (3.14-6.30)	5.11 (3.50-7.53)
24-hr	0.723 (0.640-0.834)	1.11 (0.984-1.29)	1.67 (1.47-1.93)	2.15 (1.88-2.51)	2.86 (2.42-3.44)	3.45 (2.86-4.23)	4.09 (3.32-5.13)	4.79 (3.79-6.18)	5.83 (4.43-7.82)	6.70 (4.93-9.29)
2-day	0.838 (0.741-0.966)	1.30 (1.15-1.51)	1.96 (1.73-2.27)	2.53 (2.22-2.95)	3.37 (2.86-4.05)	4.06 (3.38-4.99)	4.81 (3.91-6.04)	5.63 (4.46-7.27)	6.84 (5.20-9.17)	7.84 (5.77-10.9)
3-day	0.890 (0.788-1.03)	1.39 (1.23-1.60)	2.09 (1.84-2.42)	2.70 (2.37-3.15)	3.60 (3.05-4.33)	4.34 (3.60-5.32)	5.13 (4.17-6.45)	6.01 (4.75-7.76)	7.29 (5.54-9.78)	8.36 (6.15-11.6)
4-day	0.943 (0.835-1.09)	1.47 (1.30-1.70)	2.21 (1.95-2.56)	2.86 (2.50-3.33)	3.80 (3.22-4.57)	4.58 (3.81-5.62)	5.43 (4.41-6.82)	6.36 (5.03-8.20)	7.71 (5.86-10.4)	8.85 (6.51-12.3)
7-day	0.994 (0.880-1.15)	1.53 (1.35-1.77)	2.29 (2.02-2.65)	2.96 (2.59-3.45)	3.94 (3.34-4.74)	4.75 (3.95-5.83)	5.63 (4.58-7.08)	6.61 (5.23-8.53)	8.04 (6.11-10.8)	9.24 (6.80-12.8)
10-day	1.02 (0.905-1.18)	1.57 (1.38-1.81)	2.34 (2.06-2.71)	3.02 (2.64-3.52)	4.02 (3.40-4.83)	4.85 (4.03-5.95)	5.75 (4.67-7.23)	6.75 (5.34-8.71)	8.22 (6.25-11.0)	9.45 (6.95-13.1)
20-day	1.11 (0.984-1.28)	1.71 (1.51-1.97)	2.55 (2.25-2.95)	3.28 (2.87-3.83)	4.37 (3.70-5.26)	5.27 (4.38-6.46)	6.24 (5.07-7.84)	7.31 (5.78-9.43)	8.87 (6.75-11.9)	10.2 (7.49-14.1)
30-day	1.18 (1.05-1.36)	1.83 (1.62-2.11)	2.75 (2.42-3.18)	3.55 (3.11-4.14)	4.72 (4.00-5.68)	5.69 (4.73-6.98)	6.73 (5.46-8.45)	7.86 (6.22-10.1)	9.50 (7.22-12.7)	10.9 (7.99-15.1)
45-day	1.25 (1.11-1.44)	1.98 (1.75-2.28)	3.00 (2.65-3.48)	3.89 (3.41-4.54)	5.19 (4.40-6.25)	6.25 (5.20-7.68)	7.38 (6.00-9.28)	8.60 (6.80-11.1)	10.3 (7.87-13.9)	11.8 (8.66-16.3)
60-day	1.35 (1.19-1.55)	2.16 (1.91-2.49)	3.30 (2.91-3.82)	4.28 (3.75-5.00)	5.71 (4.84-6.87)	6.87 (5.71-8.43)	8.10 (6.58-10.2)	9.42 (7.45-12.1)	11.3 (8.58-15.1)	12.8 (9.41-17.7)

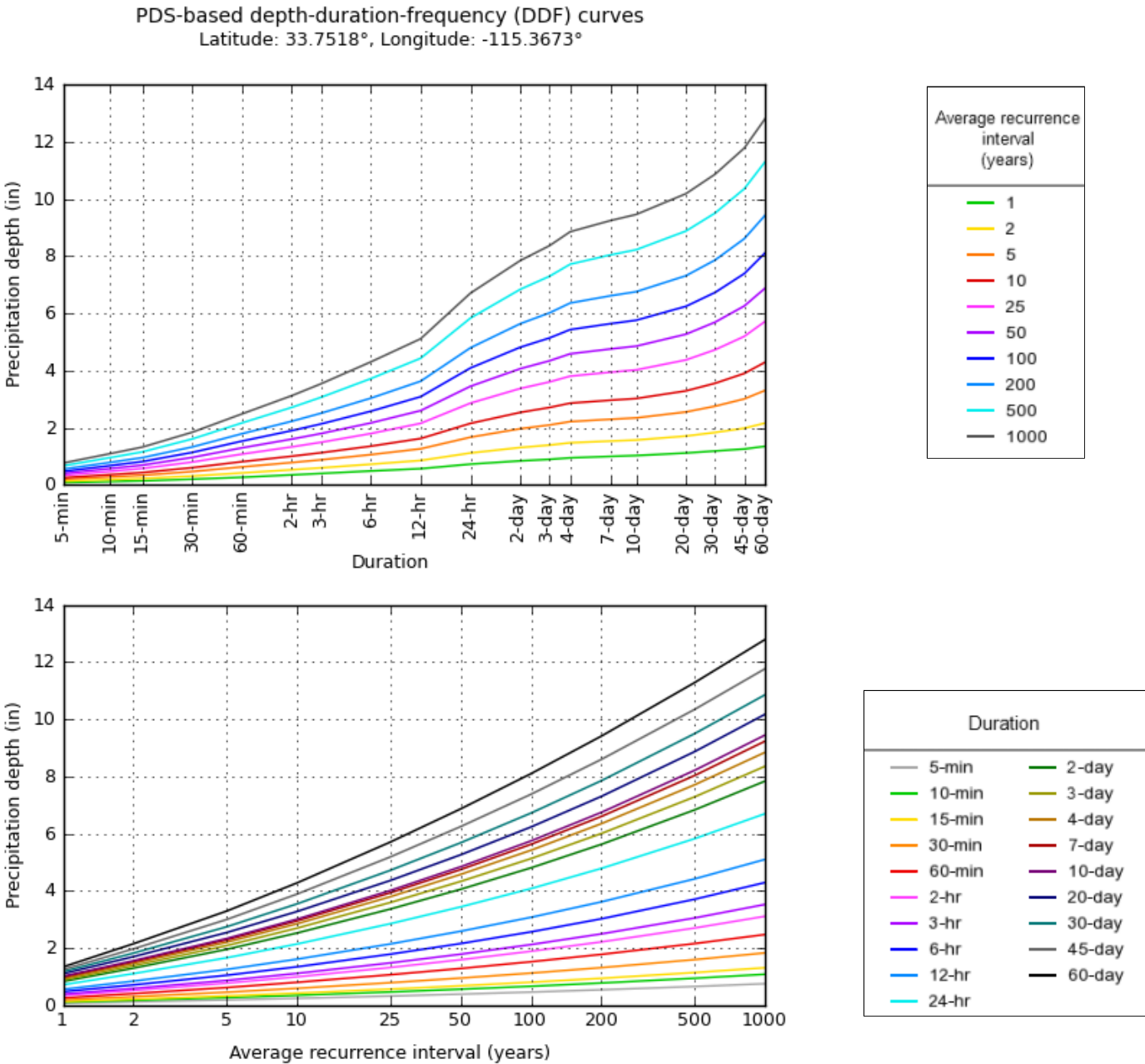
¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

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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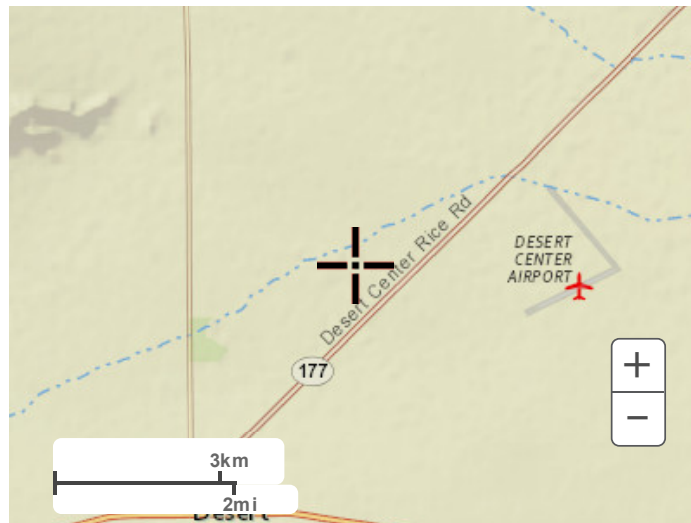
PF graphical



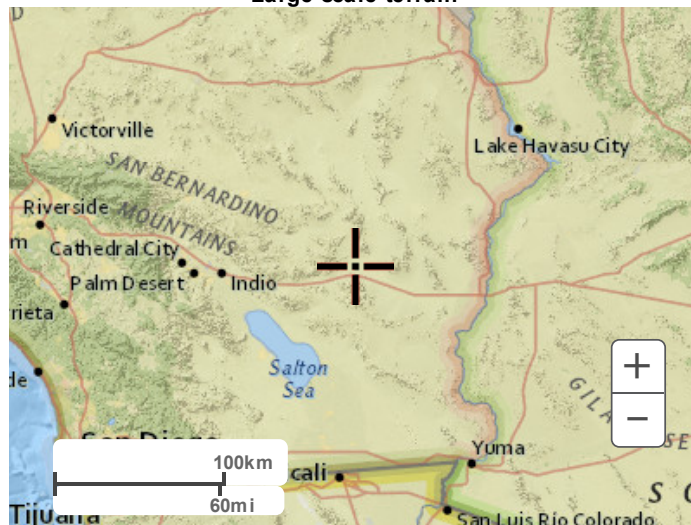
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Maps & aerials

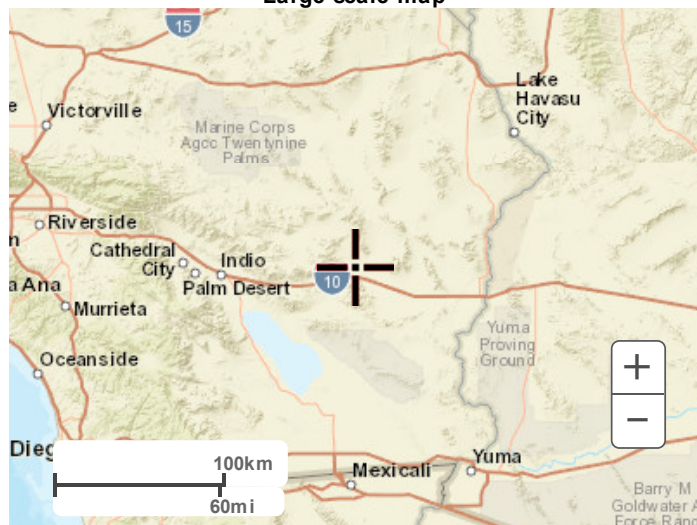
Small scale terrain



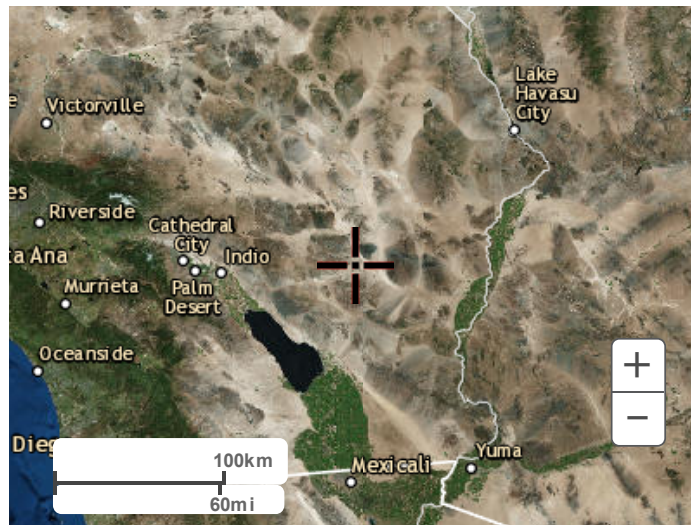
Large scale terrain



Large scale map



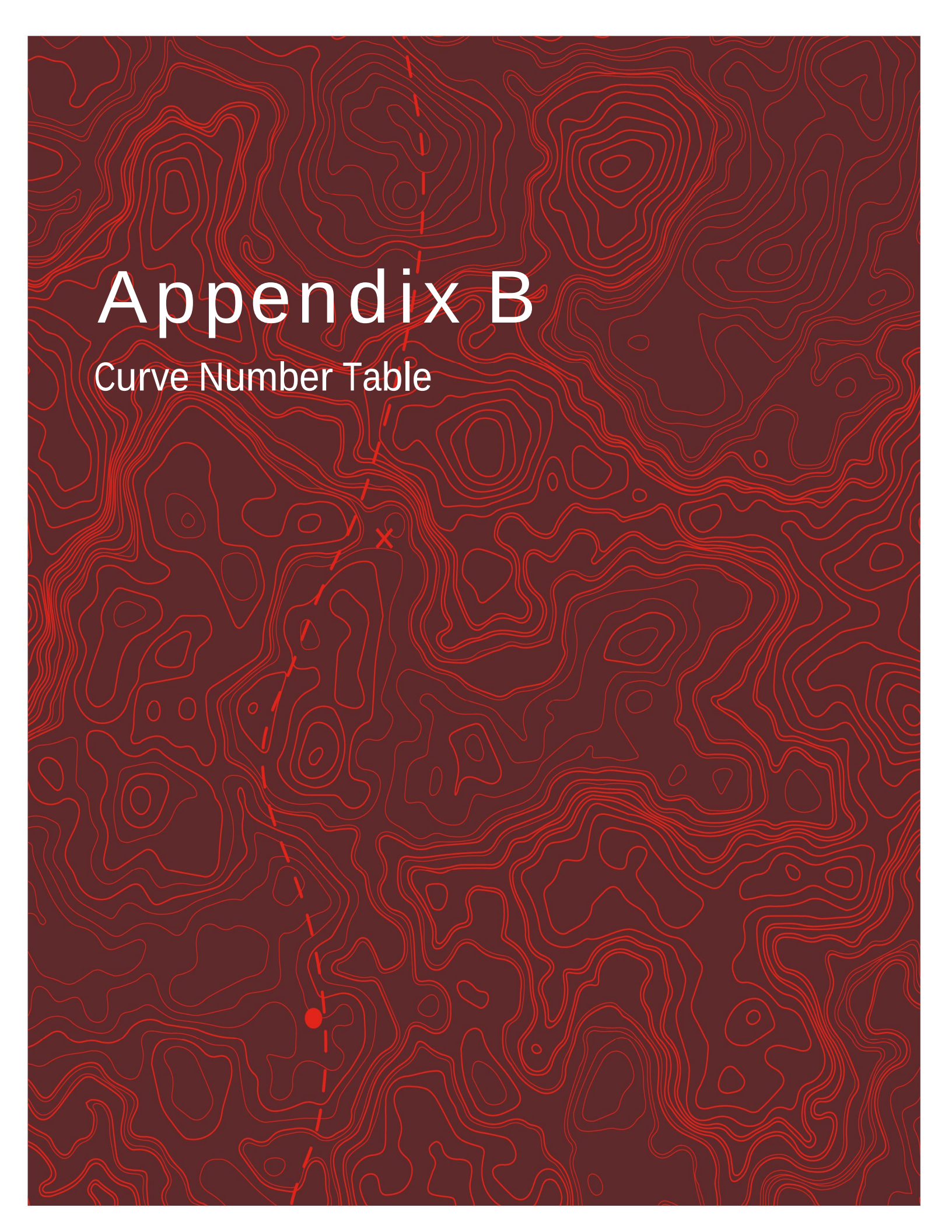
Large scale aerial



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Appendix B

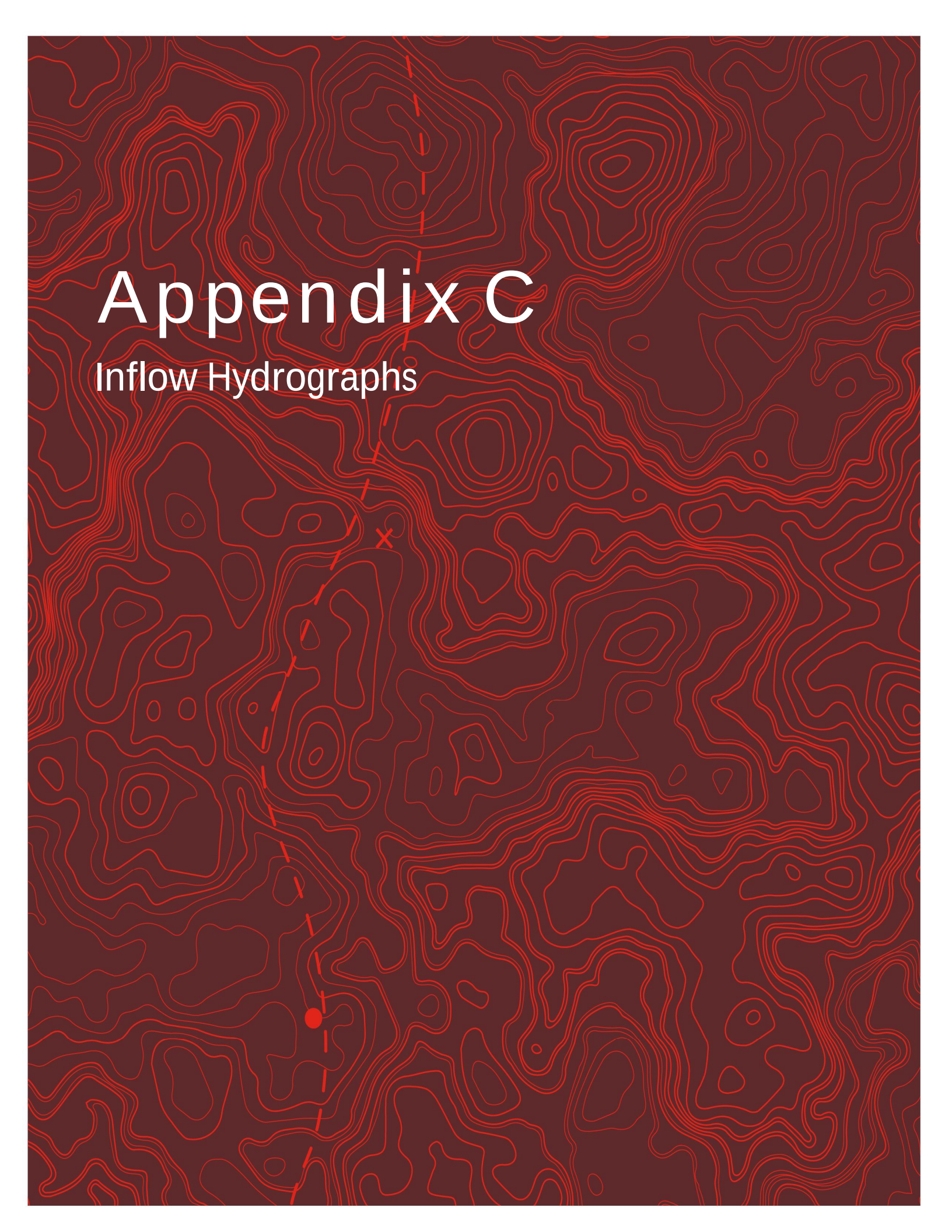
Curve Number Table

Table 2. Semi-Arid Curve Numbers (adapted from NEH 630)

Class	Value	Classification Description	Curve Number				
			Soil Type*				
			A	B	C	D	W
Water	11	Open Water - areas of open water, generally with less than 25% cover of vegetation or soil.	98	98	98	98	100
	12	Perennial Ice/Snow - areas characterized by a perennial cover of ice and/or snow, generally greater than 25% of total cover.	98	98	98	98	100
Developed	21	Developed, Open Space - areas with a mixture of some constructed materials, but mostly vegetation in the form of lawn grasses. Impervious surfaces account for less than 20% of total cover. These areas most commonly include large-lot single-family housing units, parks, golf courses, and vegetation planted in developed settings for recreation, erosion control, or aesthetic purposes.	46	65	77	82	100
	22	Developed, Low Intensity - areas with a mixture of constructed materials and vegetation. Impervious surfaces account for 20% to 49% percent of total cover. These areas most commonly include single-family housing units.	61	75	83	87	100
	23	Developed, Medium Intensity - areas with a mixture of constructed materials and vegetation. Impervious surfaces account for 50% to 79% of the total cover. These areas most commonly include single-family housing units.	77	85	90	95	100
	24	Developed High Intensity -highly developed areas where people reside or work in high numbers. Examples include apartment complexes, row houses and commercial/industrial. Impervious surfaces account for 80% to 100% of the total cover.	89	92	94	95	100
Barren	31	Barren Land (Rock/Sand/Clay) - areas of bedrock, desert pavement, scarps, talus, slides, volcanic material, glacial debris, sand dunes, strip mines, gravel pits and other accumulations of earthen material. Generally, vegetation accounts for less than 15% of total cover.	77	86	91	94	100
Forest	41	Deciduous Forest - areas dominated by trees generally greater than 5 meters tall, and greater than 20% of total vegetation cover. More than 75% of the tree species shed foliage simultaneously in response to seasonal change.	43	55	70	77	100
	42	Evergreen Forest - areas dominated by trees generally greater than 5 meters tall, and greater than 20% of total vegetation cover. More than 75% of the tree species maintain their leaves all year. Canopy is never without green foliage.	43	55	70	77	100
	43	Mixed Forest - areas dominated by trees generally greater than 5 meters tall, and greater than 20% of total vegetation cover. Neither deciduous nor evergreen species are greater than 75% of total tree cover.	43	55	70	77	100
Shrubland	51	Dwarf Scrub - Alaska only areas dominated by shrubs less than 20 centimeters tall with shrub canopy typically greater than 20% of total vegetation. This type is often co-associated with grasses, sedges, herbs, and non-vascular vegetation.	55	71	81	89	100
	52	Shrub/Scrub - areas dominated by shrubs; less than 5 meters tall with shrub canopy typically greater than 20% of total vegetation. This class includes true shrubs, young trees in an early successional stage or trees stunted from environmental conditions.	55	71	81	89	100
Herbaceous	71	Grassland/Herbaceous - areas dominated by graminoid or herbaceous vegetation, generally greater than 80% of total vegetation. These areas are not subject to intensive management such as tilling, but can be utilized for grazing.	55	71	81	89	100
	72	Sedge/Herbaceous - Alaska only areas dominated by sedges and forbs, generally greater than 80% of total vegetation. This type can occur with significant other grasses or other grass like plants, and includes sedge tundra, and sedge tussock tundra.	55	71	81	89	100
	73	Lichens - Alaska only areas dominated by fruticose or foliose lichens generally greater than 80% of total vegetation.	55	71	81	89	100
	74	Moss - Alaska only areas dominated by mosses, generally greater than 80% of total vegetation.	55	71	81	89	100
Planted / Cultivated	81	Pasture/Hay - areas of grasses, legumes, or grass-legume mixtures planted for livestock grazing or the production of seed or hay crops, typically on a perennial cycle. Pasture/hay vegetation accounts for greater than 20% of total vegetation.	55	71	81	89	100
	82	Cultivated Crops - areas used for the production of annual crops, such as corn, soybeans, vegetables, tobacco, and cotton, and also perennial woody crops such as orchards and vineyards. Crop vegetation accounts for greater than 20% of total vegetation. This class also includes all land being actively tilled.	67	78	85	89	100
	83	Small Grains	63	75	83	87	100
Wetlands	91	Woody Wetlands - areas where forest or shrubland vegetation accounts for greater than 20% of vegetative cover and the soil or substrate is periodically saturated with or covered with water.	45	66	77	83	100
	92	Emergent Herbaceous Wetlands - Areas where perennial herbaceous vegetation accounts for greater than 80% of vegetative cover and the soil or substrate is periodically saturated with or covered with water.	45	66	77	83	100

*A/D, B/D and C/D soils lumped as D soils, W denotes water

**Curve Numbers for NLCD Codes 41-43 have been increased from 30 to 43 as many of these areas are partially grazed Woods-grass combination.

The background of the entire page is a dark red color with a complex pattern of lighter red contour lines, resembling a topographic map. A dashed red line runs diagonally from the top center towards the bottom left. Along this line, there is a solid red dot near the bottom and a red 'x' mark slightly above it.

Appendix C

Inflow Hydrographs

HYCROSS.OUT

THE MAXIMUM DISCHARGE FROM CROSS SECTION 1 IS: 40250.87 CFS AT TIME:
32.23 HOURS

THE TOTAL VOLUME OF DISCHARGE IS: 58212.99 AF

HYDROGRAPH AND FLOODPLAIN HYDRAULICS (AVERAGED FOR THE OUTPUT INTERVAL) FOR
CROSS SECTION NO: 1

VELOCITY = AVERAGE CROSS SECTION VELOCITY (BASED ON DISCHARGE AND FLOW AREA)

TIME (HRS)	FLOW WIDTH (FT)	AVE. DEPTH (FT)	WS ELEV (FT/FT)	VELOCITY (FPS)	DISCHARGE (CFS)
0.10	0.00	0.00	0.00	0.00	0.00
0.20	0.00	0.00	0.00	0.00	0.00
0.30	0.00	0.00	0.00	0.00	0.00
0.40	0.00	0.00	0.00	0.00	0.00
0.50	0.00	0.00	0.00	0.00	0.00
0.60	0.00	0.00	0.00	0.00	0.00
0.70	0.00	0.00	0.00	0.00	0.00
0.80	0.00	0.00	0.00	0.00	0.00
0.90	0.00	0.00	0.00	0.00	0.00
1.00	0.00	0.00	0.00	0.00	0.00
1.10	0.00	0.00	0.00	0.00	0.00
1.20	0.00	0.00	0.00	0.00	0.00
1.30	0.00	0.00	0.00	0.00	0.00
1.40	0.00	0.00	0.00	0.00	0.00
1.50	0.00	0.00	0.00	0.00	0.00
1.60	0.00	0.00	0.00	0.00	0.00
1.70	0.00	0.00	0.00	0.00	0.00
1.80	0.00	0.00	0.00	0.00	0.00
1.90	0.00	0.00	0.00	0.00	0.00
2.00	0.00	0.00	0.00	0.00	0.00
2.10	0.00	0.00	0.00	0.00	0.00
2.20	0.00	0.00	0.00	0.00	0.00
2.30	0.00	0.00	0.00	0.00	0.00
2.40	0.00	0.00	0.00	0.00	0.00
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.00	0.00	0.00
2.90	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00
3.10	0.00	0.00	0.00	0.00	0.00
3.20	0.00	0.00	0.00	0.00	0.00
3.30	0.00	0.00	0.00	0.00	0.00
3.40	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00
3.60	0.00	0.00	0.00	0.00	0.00
3.70	0.00	0.00	0.00	0.00	0.00
3.80	0.00	0.00	0.00	0.00	0.00
3.90	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00
4.10	0.00	0.00	0.00	0.00	0.00
4.20	0.00	0.00	0.00	0.00	0.00
4.30	0.00	0.00	0.00	0.00	0.00
4.40	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00
4.60	0.00	0.00	0.00	0.00	0.00
4.70	0.00	0.00	0.00	0.00	0.00
4.80	0.00	0.00	0.00	0.00	0.00
4.90	0.00	0.00	0.00	0.00	0.00

			HYCROSS.OUT		
5.00	0.00	0.00	0.00	0.00	0.00
5.10	0.00	0.00	0.00	0.00	0.00
5.20	0.00	0.00	0.00	0.00	0.00
5.30	0.00	0.00	0.00	0.00	0.00
5.40	0.00	0.00	0.00	0.00	0.00
5.50	0.00	0.00	0.00	0.00	0.00
5.60	0.00	0.00	0.00	0.00	0.00
5.70	0.00	0.00	0.00	0.00	0.00
5.80	0.00	0.00	0.00	0.00	0.00
5.90	0.00	0.00	0.00	0.00	0.00
6.00	0.00	0.00	0.00	0.00	0.00
6.10	0.00	0.00	0.00	0.00	0.00
6.20	0.00	0.00	0.00	0.00	0.00
6.30	0.00	0.00	0.00	0.00	0.00
6.40	0.00	0.00	0.00	0.00	0.00
6.50	0.00	0.00	0.00	0.00	0.00
6.60	0.00	0.00	0.00	0.00	0.00
6.70	0.00	0.00	0.00	0.00	0.00
6.80	0.00	0.00	0.00	0.00	0.00
6.90	0.00	0.00	0.00	0.00	0.00
7.00	0.00	0.00	0.00	0.00	0.00
7.10	0.00	0.00	0.00	0.00	0.00
7.20	0.00	0.00	0.00	0.00	0.00
7.30	0.00	0.00	0.00	0.00	0.00
7.40	0.00	0.00	0.00	0.00	0.00
7.50	0.00	0.00	0.00	0.00	0.00
7.60	0.00	0.00	0.00	0.00	0.00
7.70	0.00	0.00	0.00	0.00	0.00
7.80	0.00	0.00	0.00	0.00	0.00
7.90	0.00	0.00	0.00	0.00	0.00
8.00	0.00	0.00	0.00	0.00	0.00
8.10	0.00	0.00	0.00	0.00	0.00
8.20	0.00	0.00	0.00	0.00	0.00
8.30	0.00	0.00	0.00	0.00	0.00
8.40	0.00	0.00	0.00	0.00	0.00
8.50	0.00	0.00	0.00	0.00	0.00
8.60	0.00	0.00	0.00	0.00	0.00
8.70	0.00	0.00	0.00	0.00	0.00
8.80	0.00	0.00	0.00	0.00	0.00
8.90	0.00	0.00	0.00	0.00	0.00
9.00	0.00	0.00	0.00	0.00	0.00
9.10	0.00	0.00	0.00	0.00	0.00
9.20	0.00	0.00	0.00	0.00	0.00
9.30	0.00	0.00	0.00	0.00	0.00
9.40	0.00	0.00	0.00	0.00	0.00
9.50	0.00	0.00	0.00	0.00	0.00
9.60	0.00	0.00	525.86	0.00	0.00
9.70	0.00	0.00	525.86	0.00	0.01
9.80	0.00	0.00	525.86	0.00	0.01
9.90	0.00	0.00	525.86	0.00	0.02
10.00	0.00	0.00	525.86	0.00	0.03
10.10	0.00	0.00	525.86	0.00	0.04
10.20	12.54	0.00	525.86	0.49	0.06
10.30	102.00	0.00	525.86	0.57	0.09
10.40	370.68	0.00	525.86	0.18	0.14
10.50	804.00	0.00	525.86	0.10	0.18
10.60	1821.25	0.00	525.86	0.05	0.24
10.70	3126.03	0.00	525.86	0.03	0.31
10.80	4241.70	0.00	525.86	0.03	0.39
10.90	5274.14	0.00	525.86	0.03	0.49
11.00	5979.02	0.00	525.86	0.03	0.61
11.10	6546.87	0.00	525.87	0.03	0.76
11.20	7336.25	0.00	525.87	0.03	0.94

HYCROSS.OUT					
11.30	7953.41	0.01	525.87	0.03	1.15
11.40	8541.99	0.01	525.87	0.03	1.44
11.50	9039.11	0.01	525.87	0.03	1.77
11.60	9765.99	0.01	525.87	0.03	2.40
11.70	10279.39	0.01	525.87	0.03	3.40
11.80	10839.73	0.01	525.87	0.04	5.06
11.90	11700.97	0.02	525.88	0.04	10.77
12.00	12555.18	0.03	525.89	0.05	19.91
12.10	14646.40	0.04	525.90	0.05	29.05
12.20	15490.37	0.04	525.90	0.05	36.27
12.30	15720.64	0.05	525.91	0.06	43.53
12.40	15799.90	0.05	525.91	0.06	47.76
12.50	15869.64	0.05	525.91	0.06	51.63
12.60	15853.67	0.06	525.92	0.06	54.10
12.70	15683.09	0.06	525.92	0.06	55.03
12.80	15550.94	0.06	525.92	0.06	55.75
12.90	15488.32	0.06	525.92	0.06	56.09
13.00	15459.09	0.06	525.92	0.06	56.42
13.10	15375.91	0.06	525.92	0.06	56.57
13.20	15288.16	0.06	525.92	0.06	56.57
13.30	15197.57	0.06	525.92	0.06	56.62
13.40	15185.98	0.06	525.92	0.06	56.58
13.50	15112.58	0.06	525.92	0.07	56.53
13.60	15029.49	0.06	525.92	0.07	56.43
13.70	14980.24	0.06	525.92	0.07	56.31
13.80	14924.57	0.06	525.92	0.07	56.25
13.90	14838.13	0.06	525.92	0.07	56.21
14.00	14747.71	0.06	525.92	0.07	56.26
14.10	14705.95	0.06	525.92	0.07	56.30
14.20	14628.61	0.06	525.92	0.07	56.33
14.30	14566.79	0.06	525.92	0.07	56.41
14.40	14454.91	0.06	525.92	0.07	56.51
14.50	14405.53	0.06	525.92	0.07	56.69
14.60	14361.47	0.06	525.92	0.07	56.91
14.70	14331.23	0.06	525.92	0.07	57.13
14.80	14289.87	0.06	525.92	0.07	57.38
14.90	14230.25	0.06	525.92	0.07	57.65
15.00	14213.72	0.06	525.92	0.07	58.03
15.10	14195.80	0.06	525.92	0.07	58.43
15.20	14188.71	0.06	525.92	0.07	58.69
15.30	14142.47	0.06	525.92	0.07	58.87
15.40	14122.10	0.06	525.92	0.07	59.04
15.50	14078.37	0.06	525.92	0.07	59.28
15.60	14054.85	0.06	525.92	0.07	59.55
15.70	14035.84	0.06	525.92	0.07	59.81
15.80	14052.50	0.06	525.92	0.07	60.10
15.90	14051.21	0.06	525.92	0.07	60.46
16.00	14015.57	0.06	525.92	0.07	60.86
16.10	13963.45	0.06	525.92	0.07	61.43
16.20	13949.97	0.06	525.92	0.07	62.08
16.30	13952.87	0.06	525.92	0.07	62.85
16.40	13938.56	0.06	525.92	0.07	63.67
16.50	13940.39	0.06	525.92	0.07	64.46
16.60	13913.21	0.06	525.92	0.07	65.37
16.70	13899.40	0.06	525.92	0.07	66.25
16.80	13906.58	0.06	525.93	0.08	67.23
16.90	13901.23	0.06	525.93	0.08	68.20
17.00	13890.27	0.07	525.93	0.08	69.22
17.10	13885.77	0.07	525.93	0.08	70.33
17.20	13880.95	0.07	525.93	0.08	71.91
17.30	13869.63	0.07	525.93	0.08	74.54
17.40	13853.13	0.07	525.93	0.08	78.31
17.50	13822.33	0.07	525.93	0.09	83.13

HYCROSS.OUT

17.60	13792.91	0.07	525.93	0.09	88.83
17.70	13810.90	0.07	525.93	0.09	95.42
17.80	13783.65	0.08	525.94	0.10	103.30
17.90	13783.22	0.08	525.94	0.10	113.17
18.00	13818.92	0.08	525.94	0.11	125.42
18.10	13862.75	0.09	525.95	0.11	139.23
18.20	13889.81	0.09	525.95	0.12	153.88
18.30	13934.56	0.10	525.96	0.12	167.84
18.40	13941.97	0.10	525.96	0.13	180.44
18.50	14001.17	0.11	525.97	0.13	191.39
18.60	14069.47	0.11	525.97	0.13	201.03
18.70	14106.94	0.11	525.97	0.13	208.88
18.80	14126.43	0.12	525.98	0.13	216.25
18.90	14158.33	0.12	525.98	0.13	223.98
19.00	14187.27	0.12	525.98	0.14	234.00
19.10	14242.78	0.12	525.99	0.14	248.58
19.20	14322.21	0.13	525.99	0.15	269.86
19.30	14357.59	0.14	526.00	0.16	307.17
19.40	14501.53	0.15	526.01	0.17	363.15
19.50	14555.38	0.16	526.02	0.19	447.42
19.60	14631.67	0.17	526.04	0.22	553.18
19.70	14711.78	0.19	526.05	0.23	662.24
19.80	14770.73	0.21	526.07	0.25	770.01
19.90	14832.56	0.22	526.08	0.26	865.06
20.00	14959.19	0.23	526.10	0.27	947.61
20.10	15031.00	0.24	526.11	0.28	1020.29
20.20	15081.84	0.25	526.11	0.29	1095.61
20.30	15129.49	0.26	526.12	0.30	1181.29
20.40	15149.10	0.27	526.13	0.31	1285.05
20.50	15174.86	0.28	526.14	0.32	1396.68
20.60	15200.86	0.29	526.16	0.34	1512.90
20.70	15267.84	0.31	526.17	0.35	1632.85
20.80	15306.53	0.32	526.18	0.37	1783.58
20.90	15323.25	0.33	526.19	0.39	1965.98
21.00	15375.13	0.35	526.21	0.41	2184.19
21.10	15428.13	0.36	526.23	0.43	2434.83
21.20	15475.74	0.38	526.25	0.46	2748.00
21.30	15545.21	0.41	526.27	0.49	3072.54
21.40	15612.68	0.43	526.29	0.52	3437.69
21.50	15719.50	0.46	526.32	0.55	3970.60
21.60	15791.09	0.48	526.34	0.59	4490.17
21.70	15840.23	0.50	526.36	0.61	4855.26
21.80	15915.81	0.52	526.38	0.62	5118.99
21.90	15978.13	0.53	526.39	0.63	5338.00
22.00	16000.78	0.54	526.40	0.64	5534.79
22.10	16042.18	0.55	526.41	0.65	5696.55
22.20	16092.37	0.56	526.42	0.65	5821.35
22.30	16096.09	0.56	526.42	0.65	5924.75
22.40	16121.07	0.57	526.43	0.66	6028.25
22.50	16121.66	0.57	526.43	0.67	6153.19
22.60	16122.09	0.58	526.44	0.67	6300.44
22.70	16137.40	0.59	526.45	0.68	6465.59
22.80	16150.51	0.59	526.46	0.69	6628.97
22.90	16139.56	0.60	526.46	0.70	6785.51
23.00	16164.25	0.61	526.47	0.70	6928.17
23.10	16203.31	0.61	526.48	0.71	7059.65
23.20	16244.77	0.62	526.48	0.71	7177.65
23.30	16244.52	0.62	526.49	0.72	7289.39
23.40	16244.77	0.63	526.49	0.72	7399.23
23.50	16244.89	0.63	526.50	0.73	7503.61
23.60	16244.89	0.64	526.50	0.73	7605.76
23.70	16244.89	0.64	526.50	0.74	7708.57
23.80	16242.79	0.65	526.51	0.74	7811.92

HYCROSS.OUT

23.90	16230.15	0.65	526.51	0.75	7914.96
24.00	16248.91	0.66	526.52	0.75	8025.40
24.10	16254.36	0.66	526.52	0.76	8140.23
24.20	16259.71	0.67	526.53	0.76	8263.54
24.30	16259.08	0.67	526.53	0.77	8387.85
24.40	16246.02	0.68	526.54	0.77	8510.82
24.50	16236.31	0.68	526.54	0.78	8627.77
24.60	16236.01	0.69	526.55	0.78	8747.00
24.70	16257.21	0.69	526.55	0.79	8863.81
24.80	16292.48	0.70	526.56	0.79	8983.79
24.90	16279.94	0.70	526.56	0.80	9100.78
25.00	16294.82	0.71	526.57	0.80	9213.68
25.10	16306.61	0.71	526.57	0.81	9334.52
25.20	16320.28	0.72	526.58	0.81	9481.40
25.30	16315.60	0.72	526.59	0.82	9690.95
25.40	16305.96	0.74	526.60	0.83	9985.14
25.50	16313.48	0.75	526.61	0.85	10345.71
25.60	16294.91	0.76	526.62	0.86	10703.41
25.70	16261.88	0.78	526.64	0.88	11041.18
25.80	16230.43	0.79	526.65	0.89	11402.31
25.90	16232.28	0.81	526.67	0.91	11865.64
26.00	16221.66	0.83	526.69	0.93	12549.01
26.10	16182.53	0.85	526.71	0.96	13225.61
26.20	16145.81	0.87	526.73	0.97	13646.54
26.30	16116.00	0.88	526.74	0.98	13798.76
26.40	16115.61	0.88	526.74	0.98	13850.35
26.50	16119.72	0.88	526.74	0.98	13873.45
26.60	16137.44	0.88	526.74	0.98	13886.41
26.70	16143.33	0.88	526.74	0.98	13898.56
26.80	16134.26	0.88	526.74	0.98	13909.52
26.90	16115.34	0.88	526.74	0.98	13928.21
27.00	16079.50	0.88	526.75	0.98	13957.96
27.10	16064.27	0.89	526.75	0.98	13997.88
27.20	16048.75	0.89	526.75	0.99	14037.28
27.30	16044.01	0.89	526.75	0.99	14066.74
27.40	16045.47	0.89	526.75	0.99	14076.50
27.50	16049.10	0.89	526.75	0.99	14066.27
27.60	16058.66	0.89	526.75	0.98	14038.10
27.70	16067.83	0.89	526.75	0.98	13996.03
27.80	16066.72	0.88	526.75	0.98	13942.25
27.90	16061.43	0.88	526.74	0.98	13880.58
28.00	16045.07	0.88	526.74	0.98	13810.73
28.10	16044.19	0.88	526.74	0.98	13738.82
28.20	16043.37	0.88	526.74	0.97	13662.79
28.30	16044.25	0.87	526.73	0.97	13584.43
28.40	16041.95	0.87	526.73	0.97	13505.47
28.50	16027.46	0.87	526.73	0.97	13426.39
28.60	16027.66	0.86	526.72	0.96	13342.80
28.70	16027.73	0.86	526.72	0.96	13260.38
28.80	16027.73	0.86	526.72	0.96	13174.88
28.90	16027.73	0.85	526.72	0.96	13088.47
29.00	16027.73	0.85	526.71	0.95	13003.59
29.10	16027.73	0.85	526.71	0.95	12920.28
29.20	16026.69	0.85	526.71	0.95	12836.44
29.30	16007.02	0.84	526.70	0.95	12751.20
29.40	15978.25	0.84	526.70	0.94	12667.73
29.50	15967.67	0.84	526.70	0.94	12583.71
29.60	15957.02	0.83	526.69	0.94	12500.80
29.70	15957.02	0.83	526.69	0.94	12424.50
29.80	15916.26	0.83	526.69	0.94	12347.97
29.90	15886.31	0.83	526.69	0.94	12271.47
30.00	15870.31	0.82	526.68	0.93	12195.79
30.10	15841.10	0.82	526.68	0.93	12120.92

HYCROSS.OUT

30.20	15764.47	0.82	526.68	0.94	12051.72
30.30	15744.89	0.81	526.68	0.93	11983.25
30.40	15719.66	0.81	526.67	0.93	11914.83
30.50	15727.82	0.81	526.67	0.93	11850.31
30.60	15720.05	0.81	526.67	0.93	11803.72
30.70	15689.33	0.82	526.68	0.94	12085.90
30.80	15675.95	0.88	526.74	1.04	14301.28
30.90	15671.64	1.02	526.88	1.19	19052.86
31.00	15625.75	1.17	527.03	1.34	24525.03
31.10	15674.67	1.29	527.15	1.43	29052.94
31.20	15751.72	1.38	527.24	1.50	32573.72
31.30	15873.16	1.44	527.30	1.53	34890.93
31.40	15927.26	1.48	527.34	1.55	36334.16
31.50	15964.69	1.50	527.36	1.56	37356.11
31.60	15999.97	1.52	527.38	1.57	38139.56
31.70	16014.46	1.53	527.39	1.58	38739.02
31.80	16033.59	1.54	527.41	1.58	39247.79
31.90	16047.33	1.55	527.41	1.59	39650.20
32.00	16030.52	1.56	527.42	1.60	39947.49
32.10	16027.34	1.56	527.43	1.60	40141.86
32.20	16020.37	1.57	527.43	1.60	40232.55
32.30	16026.40	1.57	527.43	1.60	40242.28
32.40	16020.00	1.57	527.43	1.60	40184.35
32.50	16005.98	1.56	527.43	1.60	40074.70
32.60	15975.47	1.56	527.42	1.60	39923.92
32.70	15970.62	1.56	527.42	1.60	39745.62
32.80	15961.70	1.55	527.41	1.59	39541.36
32.90	15945.90	1.55	527.41	1.59	39325.30
33.00	15935.27	1.54	527.41	1.59	39091.39
33.10	15935.27	1.54	527.40	1.58	38856.44
33.20	15935.27	1.53	527.40	1.58	38606.57
33.30	15935.27	1.53	527.39	1.57	38361.76
33.40	15935.15	1.56	527.42	1.54	38112.35
33.50	15935.09	1.57	527.43	1.51	37863.58
33.60	15935.27	1.57	527.43	1.50	37607.20
33.70	15935.15	1.56	527.42	1.50	37347.10
33.80	15935.27	1.56	527.42	1.49	37093.39
33.90	15930.26	1.55	527.41	1.49	36840.32
34.00	15920.62	1.55	527.41	1.49	36579.02
34.10	15920.62	1.54	527.40	1.48	36325.07
34.20	15920.62	1.53	527.40	1.48	36070.80
34.30	15920.62	1.53	527.39	1.47	35823.65
34.40	15920.62	1.53	527.39	1.46	35572.02
34.50	15920.62	1.52	527.38	1.46	35320.27
34.60	15920.62	1.51	527.38	1.45	35076.71
34.70	15920.62	1.51	527.37	1.45	34835.01
34.80	15920.62	1.50	527.37	1.44	34599.45
34.90	15920.62	1.50	527.36	1.44	34356.59
35.00	15920.62	1.49	527.35	1.44	34123.99
35.10	15920.62	1.49	527.35	1.43	33893.38
35.20	15919.64	1.48	527.34	1.43	33661.46
35.30	15920.62	1.48	527.34	1.42	33428.14
35.40	15920.62	1.47	527.33	1.42	33205.74
35.50	15920.62	1.47	527.33	1.41	32983.45
35.60	15920.62	1.46	527.32	1.41	32758.35
35.70	15920.62	1.46	527.32	1.40	32547.37
35.80	15918.68	1.45	527.31	1.40	32329.11
35.90	15905.98	1.45	527.31	1.40	32116.85
36.00	15905.98	1.44	527.30	1.39	31899.06
36.10	15905.98	1.44	527.30	1.39	31693.56
36.20	15905.98	1.43	527.29	1.38	31488.16
36.30	15905.98	1.43	527.29	1.38	31287.16
36.40	15905.98	1.42	527.28	1.37	31080.83

HYCROSS.OUT

36.50	15891.30	1.42	527.28	1.37	30889.75
36.60	15885.27	1.41	527.27	1.37	30690.90
36.70	15885.27	1.41	527.27	1.36	30500.71
36.80	15874.24	1.40	527.26	1.36	30305.43
36.90	15870.51	1.40	527.26	1.36	30127.26
37.00	15870.62	1.39	527.25	1.35	29941.17
37.10	15870.62	1.39	527.25	1.35	29758.11
37.20	15870.62	1.38	527.25	1.35	29585.02
37.30	15870.62	1.38	527.24	1.34	29403.81
37.40	15870.62	1.38	527.24	1.33	29233.78
37.50	15863.84	1.38	527.24	1.33	29055.69
37.60	15849.98	1.37	527.23	1.33	28884.80
37.70	15841.33	1.37	527.23	1.33	28716.10
37.80	15841.33	1.36	527.22	1.32	28541.95
37.90	15841.15	1.36	527.22	1.32	28377.51
38.00	15841.33	1.35	527.21	1.31	28204.12
38.10	15851.38	1.35	527.21	1.31	28038.59
38.20	15841.33	1.35	527.21	1.31	27876.83
38.30	15841.33	1.34	527.20	1.30	27713.40
38.40	15841.21	1.34	527.20	1.30	27549.80
38.50	15841.15	1.33	527.19	1.30	27390.32
38.60	15841.27	1.33	527.19	1.29	27226.71
38.70	15828.07	1.32	527.19	1.29	27064.94
38.80	15820.62	1.32	527.18	1.29	26906.43
38.90	15820.62	1.32	527.18	1.28	26748.16
39.00	15808.99	1.31	527.17	1.28	26589.31
39.10	15805.98	1.31	527.17	1.28	26433.75
39.20	15794.13	1.30	527.16	1.28	26279.05
39.30	15791.33	1.30	527.16	1.27	26123.96
39.40	15791.33	1.30	527.16	1.27	25964.86
39.50	15791.20	1.29	527.15	1.27	25813.15
39.60	15791.33	1.29	527.15	1.26	25655.39
39.70	15791.33	1.29	527.15	1.26	25497.77
39.80	15791.33	1.28	527.14	1.25	25348.92
39.90	15791.33	1.28	527.14	1.25	25192.40
40.00	15791.33	1.27	527.13	1.24	25047.82
40.10	15791.33	1.27	527.13	1.24	24896.56
40.20	15791.33	1.27	527.13	1.24	24745.36
40.30	15791.33	1.26	527.12	1.23	24594.07
40.40	15791.33	1.26	527.12	1.23	24450.26
40.50	15791.33	1.25	527.11	1.23	24298.20
40.60	15791.33	1.25	527.11	1.22	24158.84
40.70	15791.33	1.25	527.11	1.22	24010.36
40.80	15791.33	1.24	527.10	1.22	23863.03
40.90	15783.78	1.24	527.10	1.21	23716.91
41.00	15770.62	1.23	527.09	1.21	23574.54
41.10	15770.62	1.23	527.09	1.21	23429.32
41.20	15770.62	1.22	527.09	1.21	23293.28
41.30	15770.62	1.22	527.08	1.20	23149.38
41.40	15758.45	1.22	527.08	1.20	23012.52
41.50	15741.33	1.21	527.07	1.20	22873.08
41.60	15741.33	1.21	527.07	1.19	22734.81
41.70	15741.33	1.21	527.07	1.19	22599.13
41.80	15741.33	1.20	527.06	1.19	22462.34
41.90	15741.33	1.20	527.06	1.18	22322.95
42.00	15741.33	1.19	527.05	1.18	22191.89
42.10	15741.33	1.19	527.05	1.18	22056.15
42.20	15741.33	1.19	527.05	1.17	21920.42
42.30	15741.33	1.19	527.05	1.17	21788.37
42.40	15741.33	1.18	527.04	1.16	21656.02
42.50	15741.33	1.18	527.04	1.16	21524.63
42.60	15741.33	1.17	527.03	1.16	21396.68
42.70	15740.96	1.17	527.03	1.15	21265.41

HYCROSS.OUT

42.80	15737.33	1.17	527.03	1.15	21133.71
42.90	15717.41	1.16	527.02	1.15	21009.46
43.00	15698.81	1.16	527.02	1.15	20879.59
43.10	15690.75	1.15	527.02	1.15	20751.17
43.20	15691.33	1.15	527.01	1.14	20626.37
43.30	15691.33	1.15	527.01	1.14	20497.97
43.40	15691.33	1.14	527.00	1.14	20377.33
43.50	15696.04	1.14	527.00	1.13	20249.58
43.60	15705.91	1.14	527.00	1.13	20129.21
43.70	15705.98	1.13	526.99	1.13	20005.08
43.80	15705.98	1.13	526.99	1.12	19886.92
43.90	15705.98	1.12	526.99	1.12	19763.67
44.00	15705.98	1.12	526.98	1.12	19642.22
44.10	15705.98	1.12	526.98	1.11	19526.08
44.20	15705.98	1.11	526.97	1.11	19405.44
44.30	15705.98	1.11	526.97	1.11	19294.15
44.40	15705.98	1.11	526.97	1.10	19172.11
44.50	15688.09	1.11	526.97	1.10	19060.03
44.60	15685.27	1.10	526.96	1.10	18942.60
44.70	15685.27	1.10	526.96	1.09	18833.50
44.80	15671.31	1.10	526.96	1.09	18717.83
44.90	15670.62	1.09	526.95	1.09	18609.85
45.00	15670.62	1.09	526.95	1.08	18496.85
45.10	15670.62	1.08	526.95	1.08	18386.03
45.20	15670.62	1.08	526.94	1.08	18277.34
45.30	15669.74	1.08	526.94	1.08	18165.89
45.40	15670.62	1.07	526.93	1.07	18054.61
45.50	15670.39	1.07	526.93	1.07	17947.40
45.60	15670.62	1.07	526.93	1.06	17838.71
45.70	15670.62	1.07	526.93	1.06	17729.75
45.80	15670.62	1.06	526.92	1.06	17623.78
45.90	15667.74	1.06	526.92	1.05	17518.60
46.00	15661.00	1.06	526.92	1.05	17414.41
46.10	15656.13	1.05	526.91	1.05	17309.71
46.20	15655.98	1.05	526.91	1.05	17208.47
46.30	15655.98	1.05	526.91	1.04	17103.70
46.40	15650.88	1.04	526.90	1.04	17003.25
46.50	15649.24	1.04	526.90	1.04	16899.68
46.60	15655.91	1.04	526.90	1.04	16802.49
46.70	15655.98	1.03	526.89	1.03	16701.21
46.80	15655.61	1.03	526.89	1.03	16605.75
46.90	15655.98	1.03	526.89	1.03	16506.94
47.00	15655.98	1.02	526.88	1.02	16409.37
47.10	15650.39	1.02	526.88	1.02	16311.94
47.20	15635.27	1.02	526.88	1.02	16217.76
47.30	15635.08	1.01	526.87	1.02	16118.20
47.40	15634.76	1.01	526.87	1.02	16030.57
47.50	15634.90	1.01	526.87	1.01	15932.32
47.60	15635.07	1.00	526.86	1.01	15836.88
47.70	15626.39	1.00	526.86	1.01	15745.07
47.80	15614.56	1.00	526.86	1.01	15650.72
47.90	15614.56	0.99	526.85	1.00	15559.30
48.00	15614.56	0.99	526.85	1.00	15470.52
48.10	15614.56	0.99	526.85	1.00	15382.92
48.20	15614.56	0.98	526.84	1.00	15291.81
48.30	15601.30	0.98	526.84	0.99	15205.62
48.40	15599.91	0.98	526.84	0.99	15116.06
48.50	15600.82	0.98	526.84	0.99	15027.91
48.60	15602.52	0.97	526.84	0.98	14939.12
48.70	15604.37	0.97	526.83	0.98	14854.66
48.80	15603.35	0.97	526.83	0.98	14768.09
48.90	15605.73	0.97	526.83	0.97	14682.79
49.00	15595.83	0.96	526.82	0.97	14602.70

HYCROSS.OUT

49.10	15597.13	0.96	526.82	0.97	14517.03
49.20	15599.66	0.96	526.82	0.97	14435.42
49.30	15599.89	0.95	526.81	0.96	14351.54
49.40	15601.95	0.95	526.81	0.96	14266.84
49.50	15603.46	0.95	526.81	0.96	14188.35
49.60	15605.34	0.94	526.81	0.96	14106.14
49.70	15620.33	0.94	526.80	0.95	14027.90
49.80	15620.62	0.94	526.80	0.95	13946.01
49.90	15620.62	0.94	526.80	0.95	13866.40
50.00	15620.62	0.93	526.79	0.95	13787.93
50.10	15620.62	0.93	526.79	0.94	13710.78
50.20	15620.62	0.93	526.79	0.94	13633.53
50.30	15620.62	0.92	526.78	0.94	13556.72
50.40	15620.62	0.92	526.78	0.94	13482.55
50.50	15599.51	0.92	526.78	0.94	13407.16
50.60	15576.31	0.92	526.78	0.93	13334.03
50.70	15576.69	0.91	526.77	0.93	13260.35
50.80	15576.69	0.91	526.77	0.93	13188.78
50.90	15559.07	0.91	526.77	0.93	13115.11
51.00	15546.28	0.90	526.77	0.93	13042.01
51.10	15538.05	0.90	526.76	0.93	12969.37
51.20	15532.76	0.90	526.76	0.92	12894.45
51.30	15532.44	0.90	526.76	0.92	12823.24
51.40	15512.05	0.89	526.75	0.92	12749.71
51.50	15501.83	0.89	526.75	0.92	12677.30
51.60	15497.40	0.89	526.75	0.92	12607.09
51.70	15497.40	0.89	526.75	0.91	12535.35
51.80	15489.99	0.88	526.74	0.91	12464.45
51.90	15476.69	0.88	526.74	0.91	12395.27
52.00	15476.69	0.88	526.74	0.91	12327.19
52.10	15476.69	0.87	526.74	0.91	12258.00
52.20	15473.96	0.87	526.73	0.90	12192.80
52.30	15455.98	0.87	526.73	0.90	12124.30
52.40	15455.98	0.87	526.73	0.90	12058.50
52.50	15455.98	0.86	526.73	0.90	11993.19
52.60	15455.98	0.86	526.72	0.90	11926.05
52.70	15442.35	0.86	526.72	0.89	11859.27
52.80	15441.34	0.86	526.72	0.89	11793.97
52.90	15439.62	0.85	526.71	0.89	11730.16
53.00	15426.62	0.85	526.71	0.89	11663.99
53.10	15419.87	0.85	526.71	0.89	11597.45
53.20	15412.05	0.85	526.71	0.88	11535.38
53.30	15412.05	0.84	526.70	0.88	11471.10
53.40	15412.05	0.84	526.70	0.88	11407.39
53.50	15412.05	0.84	526.70	0.88	11345.18
53.60	15396.90	0.84	526.70	0.88	11280.90
53.70	15356.95	0.83	526.69	0.88	11219.18
53.80	15341.91	0.83	526.69	0.88	11156.37
53.90	15341.34	0.83	526.69	0.87	11097.37
54.00	15341.34	0.83	526.69	0.87	11037.46
54.10	15341.20	0.82	526.68	0.87	10974.59
54.20	15326.69	0.82	526.68	0.87	10916.58
54.30	15326.69	0.82	526.68	0.87	10856.52
54.40	15326.69	0.82	526.68	0.86	10801.35
54.50	15316.40	0.82	526.68	0.86	10744.83
54.60	15312.05	0.81	526.68	0.86	10686.74
54.70	15311.77	0.81	526.67	0.85	10627.15
54.80	15311.89	0.81	526.67	0.85	10575.45
54.90	15312.05	0.81	526.67	0.85	10519.42
55.00	15312.05	0.81	526.67	0.85	10463.32
55.10	15312.05	0.80	526.66	0.85	10409.05
55.20	15312.05	0.80	526.66	0.84	10356.75
55.30	15312.05	0.80	526.66	0.84	10302.76

HYCROSS.OUT					
55.40	15312.05	0.80	526.66	0.84	10249.90
55.50	15303.19	0.79	526.66	0.84	10199.36
55.60	15297.40	0.79	526.65	0.84	10145.26
55.70	15291.61	0.79	526.65	0.84	10092.14
55.80	15282.76	0.79	526.65	0.83	10039.36
55.90	15282.30	0.79	526.65	0.83	9988.32
56.00	15268.11	0.78	526.64	0.83	9935.71
56.10	15260.33	0.78	526.64	0.83	9883.67
56.20	15247.05	0.78	526.64	0.83	9831.62
56.30	15245.78	0.78	526.64	0.83	9780.72
56.40	15243.44	0.77	526.64	0.82	9730.43
56.50	15228.82	0.77	526.63	0.82	9682.32
56.60	15211.92	0.77	526.63	0.82	9633.46
56.70	15211.91	0.77	526.63	0.82	9583.49
56.80	15211.69	0.77	526.63	0.82	9532.77
56.90	15211.99	0.76	526.62	0.82	9484.33
57.00	15212.05	0.76	526.62	0.81	9435.45
57.10	15212.05	0.76	526.62	0.81	9386.38
57.20	15212.05	0.76	526.62	0.81	9338.28
57.30	15212.05	0.76	526.62	0.81	9292.65
57.40	15212.05	0.75	526.61	0.81	9244.52
57.50	15212.05	0.75	526.61	0.80	9199.26
57.60	15212.05	0.75	526.61	0.80	9153.47
57.70	15211.62	0.75	526.61	0.80	9109.14
57.80	15196.34	0.75	526.61	0.80	9064.47
57.90	15196.56	0.74	526.60	0.80	9019.96
58.00	15179.25	0.74	526.60	0.80	8975.99
58.10	15168.11	0.74	526.60	0.80	8931.49
58.20	15168.11	0.74	526.60	0.79	8888.17
58.30	15153.08	0.74	526.60	0.79	8843.41
58.40	15143.03	0.73	526.59	0.79	8798.89
58.50	15132.76	0.73	526.59	0.79	8757.05
58.60	15124.75	0.73	526.59	0.79	8714.78
58.70	15095.55	0.73	526.59	0.79	8671.47
58.80	15078.26	0.73	526.59	0.79	8628.10
58.90	15070.63	0.72	526.59	0.79	8587.55
59.00	15070.63	0.72	526.58	0.78	8546.88
59.10	15048.99	0.72	526.58	0.78	8506.01
59.20	15020.63	0.72	526.58	0.78	8465.68
59.30	15013.64	0.72	526.58	0.78	8424.76
59.40	14994.45	0.72	526.58	0.78	8383.48
59.50	14985.27	0.71	526.57	0.78	8342.74
59.60	14985.27	0.71	526.57	0.78	8301.18
59.70	14985.27	0.71	526.57	0.78	8260.27
59.80	14978.02	0.71	526.57	0.78	8220.46
59.90	14952.07	0.71	526.57	0.77	8179.64
60.00	14941.34	0.71	526.57	0.77	8140.18

THE MAXIMUM DISCHARGE FROM CROSS SECTION 2 IS: 791.68 CFS AT TIME:
14.82 HOURS
THE TOTAL VOLUME OF DISCHARGE IS: 716.49 AF

HYDROGRAPH AND FLOODPLAIN HYDRAULICS (AVERAGED FOR THE OUTPUT INTERVAL) FOR
CROSS SECTION NO: 2

VELOCITY = AVERAGE CROSS SECTION VELOCITY (BASED ON DISCHARGE AND FLOW AREA)

TIME (HRS)	FLOW WIDTH (FT)	AVE. DEPTH (FT)	WS ELEV (FT/FT)	VELOCITY (FPS)	DISCHARGE (CFS)
0.10	0.00	0.00	0.00	0.00	0.00
0.20	0.00	0.00	0.00	0.00	0.00

HYCROSS.OUT					
0.30	0.00	0.00	0.00	0.00	0.00
0.40	0.00	0.00	0.00	0.00	0.00
0.50	0.00	0.00	0.00	0.00	0.00
0.60	0.00	0.00	0.00	0.00	0.00
0.70	0.00	0.00	0.00	0.00	0.00
0.80	0.00	0.00	0.00	0.00	0.00
0.90	0.00	0.00	0.00	0.00	0.00
1.00	0.00	0.00	0.00	0.00	0.00
1.10	0.00	0.00	0.00	0.00	0.00
1.20	0.00	0.00	0.00	0.00	0.00
1.30	0.00	0.00	0.00	0.00	0.00
1.40	0.00	0.00	0.00	0.00	0.00
1.50	0.00	0.00	0.00	0.00	0.00
1.60	0.00	0.00	0.00	0.00	0.00
1.70	0.00	0.00	0.00	0.00	0.00
1.80	0.00	0.00	0.00	0.00	0.00
1.90	0.00	0.00	0.00	0.00	0.00
2.00	0.00	0.00	0.00	0.00	0.00
2.10	0.00	0.00	0.00	0.00	0.00
2.20	0.00	0.00	0.00	0.00	0.00
2.30	0.00	0.00	0.00	0.00	0.00
2.40	0.00	0.00	0.00	0.00	0.00
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.00	0.00	0.00
2.90	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00
3.10	0.00	0.00	0.00	0.00	0.00
3.20	0.00	0.00	0.00	0.00	0.00
3.30	0.00	0.00	0.00	0.00	0.00
3.40	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00
3.60	0.00	0.00	0.00	0.00	0.00
3.70	0.00	0.00	0.00	0.00	0.00
3.80	0.00	0.00	0.00	0.00	0.00
3.90	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00
4.10	0.00	0.00	0.00	0.00	0.00
4.20	0.00	0.00	0.00	0.00	0.00
4.30	0.00	0.00	0.00	0.00	0.00
4.40	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00
4.60	0.00	0.00	0.00	0.00	0.00
4.70	0.00	0.00	0.00	0.00	0.00
4.80	0.00	0.00	0.00	0.00	0.00
4.90	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00
5.10	0.00	0.00	0.00	0.00	0.00
5.20	0.00	0.00	0.00	0.00	0.00
5.30	0.00	0.00	0.00	0.00	0.00
5.40	0.00	0.00	0.00	0.00	0.00
5.50	0.00	0.00	713.92	0.00	0.00
5.60	0.00	0.00	713.92	0.00	0.00
5.70	0.00	0.00	713.92	0.00	0.00
5.80	6.11	0.00	713.92	0.09	0.00
5.90	46.25	0.00	713.92	0.17	0.01
6.00	70.53	0.00	713.92	0.20	0.02
6.10	92.50	0.00	713.92	0.24	0.04
6.20	120.29	0.00	713.92	0.23	0.05
6.30	164.64	0.00	713.92	0.20	0.06
6.40	164.64	0.00	713.92	0.22	0.08
6.50	172.64	0.00	713.92	0.23	0.09

HYCROSS.OUT

6.60	297.26	0.00	713.92	0.15	0.10
6.70	425.34	0.00	713.92	0.11	0.12
6.80	673.21	0.00	713.92	0.07	0.13
6.90	1164.78	0.00	713.92	0.04	0.14
7.00	1639.37	0.00	713.92	0.03	0.16
7.10	2161.77	0.00	713.92	0.02	0.18
7.20	2628.94	0.00	713.92	0.02	0.20
7.30	2962.39	0.00	713.92	0.02	0.22
7.40	3248.95	0.00	713.92	0.02	0.24
7.50	3435.89	0.00	713.92	0.02	0.27
7.60	3613.03	0.00	713.92	0.02	0.29
7.70	3785.76	0.00	713.92	0.02	0.32
7.80	3901.74	0.01	713.92	0.02	0.36
7.90	3961.15	0.01	713.92	0.02	0.39
8.00	4058.40	0.01	713.92	0.02	0.43
8.10	4148.49	0.01	713.92	0.02	0.48
8.20	4188.24	0.01	713.92	0.02	0.52
8.30	4196.47	0.01	713.92	0.02	0.57
8.40	4254.77	0.01	713.92	0.02	0.63
8.50	4275.02	0.01	713.92	0.02	0.68
8.60	4305.75	0.01	713.92	0.02	0.74
8.70	4317.57	0.01	713.92	0.02	0.81
8.80	4350.94	0.01	713.92	0.02	0.88
8.90	4363.99	0.01	713.93	0.02	0.95
9.00	4385.15	0.01	713.93	0.02	1.03
9.10	4388.88	0.01	713.93	0.02	1.12
9.20	4397.72	0.01	713.93	0.03	1.22
9.30	4414.35	0.01	713.93	0.03	1.32
9.40	4429.92	0.01	713.93	0.03	1.43
9.50	4458.25	0.01	713.93	0.03	1.55
9.60	4462.11	0.01	713.93	0.03	1.67
9.70	4486.20	0.01	713.93	0.03	1.81
9.80	4491.40	0.01	713.93	0.03	1.96
9.90	4491.40	0.01	713.93	0.03	2.12
10.00	4491.40	0.02	713.93	0.03	2.29
10.10	4491.40	0.02	713.93	0.03	2.48
10.20	4503.09	0.02	713.93	0.03	2.68
10.30	4506.04	0.02	713.93	0.04	2.90
10.40	4506.04	0.02	713.93	0.04	3.14
10.50	4506.04	0.02	713.94	0.04	3.39
10.60	4506.04	0.02	713.94	0.04	3.67
10.70	4506.04	0.02	713.94	0.04	3.98
10.80	4506.04	0.02	713.94	0.04	4.32
10.90	4506.04	0.02	713.94	0.04	4.71
11.00	4506.04	0.03	713.94	0.04	5.13
11.10	4519.71	0.03	713.94	0.05	5.60
11.20	4520.69	0.03	713.94	0.05	6.17
11.30	4520.69	0.03	713.95	0.05	6.78
11.40	4520.69	0.03	713.95	0.05	7.58
11.50	4527.33	0.03	713.95	0.05	8.42
11.60	4556.04	0.04	713.95	0.06	9.96
11.70	4563.73	0.04	713.96	0.06	12.20
11.80	4575.04	0.05	713.97	0.07	15.44
11.90	4576.07	0.07	713.98	0.08	24.85
12.00	4590.73	0.08	714.00	0.10	37.29
12.10	4594.62	0.10	714.01	0.11	48.48
12.20	4599.97	0.11	714.02	0.12	57.17
12.30	4599.97	0.12	714.03	0.12	66.24
12.40	4599.97	0.12	714.04	0.13	72.55
12.50	4599.97	0.13	714.05	0.13	78.91
12.60	4599.97	0.13	714.05	0.14	83.76
12.70	4599.97	0.14	714.05	0.14	87.00
12.80	4599.97	0.14	714.06	0.14	90.14

HYCROSS.OUT					
12.90	4599.97	0.14	714.06	0.14	92.75
13.00	4599.97	0.14	714.06	0.14	95.27
13.10	4599.97	0.15	714.06	0.14	97.55
13.20	4599.97	0.15	714.06	0.15	99.71
13.30	4599.97	0.15	714.07	0.15	102.07
13.40	4599.97	0.15	714.07	0.15	104.38
13.50	4599.97	0.15	714.07	0.15	107.01
13.60	4599.97	0.16	714.07	0.15	109.92
13.70	4599.97	0.16	714.08	0.15	112.92
13.80	4599.97	0.16	714.08	0.16	116.28
13.90	4599.97	0.16	714.08	0.16	119.66
14.00	4599.97	0.17	714.08	0.16	123.30
14.10	4599.97	0.17	714.09	0.16	126.95
14.20	4599.97	0.17	714.09	0.17	133.98
14.30	4599.97	0.19	714.11	0.19	172.17
14.40	4596.50	0.27	714.18	0.28	348.49
14.50	4599.97	0.34	714.26	0.38	599.04
14.60	4599.97	0.37	714.28	0.42	716.16
14.70	4599.97	0.38	714.29	0.44	763.72
14.80	4599.97	0.38	714.30	0.45	786.20
14.90	4599.97	0.38	714.30	0.45	790.23
15.00	4599.97	0.38	714.30	0.45	782.47
15.10	4599.97	0.38	714.29	0.44	768.85
15.20	4599.97	0.38	714.29	0.44	751.75
15.30	4599.97	0.37	714.29	0.43	736.20
15.40	4599.97	0.37	714.29	0.43	723.66
15.50	4599.97	0.37	714.28	0.42	712.07
15.60	4599.97	0.37	714.28	0.42	699.49
15.70	4599.97	0.36	714.28	0.41	685.07
15.80	4599.97	0.36	714.28	0.40	668.99
15.90	4599.97	0.36	714.27	0.40	653.37
16.00	4599.97	0.35	714.27	0.39	639.21
16.10	4599.97	0.35	714.27	0.39	626.47
16.20	4599.97	0.35	714.26	0.38	614.47
16.30	4599.97	0.35	714.26	0.38	602.79
16.40	4599.97	0.34	714.26	0.37	591.40
16.50	4599.97	0.34	714.26	0.37	581.25
16.60	4599.71	0.34	714.25	0.37	571.91
16.70	4599.89	0.34	714.25	0.36	563.70
16.80	4599.97	0.34	714.25	0.36	556.15
16.90	4599.97	0.33	714.25	0.36	551.36
17.00	4599.97	0.33	714.25	0.36	553.31
17.10	4599.97	0.34	714.25	0.36	558.64
17.20	4599.97	0.34	714.25	0.36	557.80
17.30	4599.97	0.33	714.25	0.36	551.81
17.40	4599.97	0.33	714.25	0.36	546.00
17.50	4599.97	0.33	714.25	0.35	540.55
17.60	4599.97	0.33	714.25	0.35	535.58
17.70	4599.97	0.33	714.25	0.35	530.97
17.80	4599.97	0.33	714.24	0.35	526.70
17.90	4599.97	0.33	714.24	0.35	522.41
18.00	4599.97	0.33	714.24	0.35	518.19
18.10	4599.97	0.32	714.24	0.34	514.08
18.20	4599.97	0.32	714.24	0.34	510.06
18.30	4599.97	0.32	714.24	0.34	506.44
18.40	4596.38	0.32	714.24	0.34	503.15
18.50	4594.58	0.32	714.24	0.34	500.45
18.60	4591.81	0.32	714.24	0.34	499.09
18.70	4590.50	0.32	714.24	0.34	500.96
18.80	4588.49	0.32	714.24	0.34	507.08
18.90	4586.61	0.32	714.24	0.35	514.62
19.00	4585.64	0.33	714.24	0.35	522.15
19.10	4585.33	0.33	714.24	0.35	530.08

HYCROSS.OUT

19.20	4585.33	0.33	714.25	0.36	537.97
19.30	4585.33	0.33	714.25	0.36	546.63
19.40	4585.33	0.33	714.25	0.36	556.89
19.50	4585.33	0.34	714.25	0.37	565.63
19.60	4585.33	0.34	714.25	0.37	567.26
19.70	4585.33	0.34	714.25	0.36	562.62
19.80	4585.33	0.33	714.25	0.36	555.18
19.90	4585.33	0.33	714.25	0.36	547.26
20.00	4585.33	0.33	714.25	0.36	539.61
20.10	4585.33	0.33	714.25	0.35	532.41
20.20	4585.33	0.33	714.24	0.35	525.58
20.30	4585.33	0.33	714.24	0.35	519.83
20.40	4585.33	0.32	714.24	0.35	514.82
20.50	4585.33	0.32	714.24	0.34	510.23
20.60	4585.33	0.32	714.24	0.34	505.51
20.70	4585.33	0.32	714.24	0.34	500.49
20.80	4585.33	0.32	714.24	0.34	495.16
20.90	4585.33	0.32	714.23	0.34	489.93
21.00	4585.33	0.32	714.23	0.33	484.32
21.10	4585.33	0.32	714.23	0.33	478.69
21.20	4585.33	0.31	714.23	0.33	472.74
21.30	4585.33	0.31	714.23	0.33	466.70
21.40	4585.33	0.31	714.23	0.32	461.09
21.50	4585.33	0.31	714.22	0.32	455.50
21.60	4585.33	0.31	714.22	0.32	450.07
21.70	4585.33	0.31	714.22	0.32	444.85
21.80	4585.33	0.30	714.22	0.31	439.73
21.90	4585.33	0.30	714.22	0.31	434.59
22.00	4585.33	0.30	714.22	0.31	429.47
22.10	4585.33	0.30	714.22	0.31	424.54
22.20	4582.94	0.30	714.21	0.31	419.64
22.30	4581.85	0.30	714.21	0.30	414.91
22.40	4581.15	0.30	714.21	0.30	410.40
22.50	4580.77	0.29	714.21	0.30	406.01
22.60	4579.91	0.29	714.21	0.30	401.75
22.70	4579.44	0.29	714.21	0.30	397.40
22.80	4578.87	0.29	714.21	0.30	393.18
22.90	4578.26	0.29	714.20	0.29	388.72
23.00	4577.92	0.29	714.20	0.29	384.35
23.10	4577.10	0.29	714.20	0.29	380.10
23.20	4576.81	0.28	714.20	0.29	376.18
23.30	4576.26	0.28	714.20	0.29	372.25
23.40	4575.71	0.28	714.20	0.29	368.32
23.50	4575.35	0.28	714.20	0.28	364.63
23.60	4574.74	0.28	714.20	0.28	360.94
23.70	4574.33	0.28	714.19	0.28	357.30
23.80	4573.87	0.28	714.19	0.28	353.83
23.90	4573.33	0.28	714.19	0.28	350.45
24.00	4573.20	0.28	714.19	0.28	347.19
24.10	4570.69	0.27	714.19	0.27	343.62
24.20	4570.69	0.27	714.19	0.27	339.69
24.30	4570.69	0.27	714.19	0.27	336.12
24.40	4570.69	0.27	714.19	0.27	332.56
24.50	4570.69	0.27	714.18	0.27	329.05
24.60	4570.69	0.27	714.18	0.27	325.42
24.70	4570.69	0.27	714.18	0.26	321.95
24.80	4566.83	0.26	714.18	0.26	318.39
24.90	4549.21	0.26	714.18	0.26	314.83
25.00	4535.33	0.26	714.18	0.26	311.31
25.10	4535.33	0.26	714.18	0.26	307.74
25.20	4522.56	0.26	714.18	0.26	304.27
25.30	4520.51	0.26	714.17	0.26	300.82
25.40	4499.98	0.26	714.17	0.26	297.33

HYCROSS.OUT					
25.50	4490.23	0.26	714.17	0.26	293.91
25.60	4469.52	0.25	714.17	0.26	290.65
25.70	4458.38	0.25	714.17	0.26	287.36
25.80	4449.98	0.25	714.17	0.25	284.14
25.90	4449.98	0.25	714.17	0.25	281.14
26.00	4449.98	0.25	714.16	0.25	278.05
26.10	4449.98	0.25	714.16	0.25	275.12
26.20	4449.98	0.25	714.16	0.25	272.13
26.30	4449.98	0.25	714.16	0.25	269.28
26.40	4449.98	0.24	714.16	0.25	266.40
26.50	4449.98	0.24	714.16	0.24	263.65
26.60	4447.84	0.24	714.16	0.24	260.85
26.70	4429.26	0.24	714.16	0.24	258.09
26.80	4425.17	0.24	714.16	0.24	255.34
26.90	4414.62	0.24	714.15	0.24	252.58
27.00	4414.62	0.24	714.15	0.24	249.98
27.10	4413.09	0.24	714.15	0.24	247.26
27.20	4399.98	0.23	714.15	0.24	244.63
27.30	4399.98	0.23	714.15	0.24	241.96
27.40	4399.98	0.23	714.15	0.23	239.29
27.50	4399.98	0.23	714.15	0.23	236.74
27.60	4399.98	0.23	714.15	0.23	234.14
27.70	4391.26	0.23	714.14	0.23	231.67
27.80	4366.35	0.23	714.14	0.23	229.23
27.90	4364.62	0.23	714.14	0.23	226.87
28.00	4364.62	0.22	714.14	0.23	224.50
28.10	4364.62	0.22	714.14	0.23	222.23
28.20	4364.62	0.22	714.14	0.23	219.97
28.30	4362.85	0.22	714.14	0.23	217.72
28.40	4349.98	0.22	714.14	0.22	215.51
28.50	4349.98	0.22	714.14	0.22	213.35
28.60	4349.98	0.22	714.13	0.22	211.13
28.70	4349.98	0.22	714.13	0.22	209.01
28.80	4349.98	0.22	714.13	0.22	206.89
28.90	4349.98	0.21	714.13	0.22	204.79
29.00	4349.98	0.21	714.13	0.22	202.68
29.10	4349.98	0.21	714.13	0.22	200.61
29.20	4349.98	0.21	714.13	0.22	198.55
29.30	4349.98	0.21	714.13	0.21	196.50
29.40	4349.98	0.21	714.13	0.21	194.51
29.50	4349.98	0.21	714.12	0.21	192.50
29.60	4349.98	0.21	714.12	0.21	190.48
29.70	4349.98	0.21	714.12	0.21	188.52
29.80	4349.98	0.21	714.12	0.21	186.59
29.90	4349.98	0.20	714.12	0.21	184.66
30.00	4349.98	0.20	714.12	0.21	182.75
30.10	4349.98	0.20	714.12	0.21	180.85
30.20	4349.98	0.20	714.12	0.20	178.99
30.30	4349.98	0.20	714.12	0.20	177.15
30.40	4349.98	0.20	714.12	0.20	175.30
30.50	4349.98	0.20	714.11	0.20	173.52
30.60	4349.98	0.20	714.11	0.20	171.72
30.70	4342.03	0.20	714.11	0.20	169.91
30.80	4335.33	0.19	714.11	0.20	168.14
30.90	4335.33	0.19	714.11	0.20	166.40
31.00	4335.33	0.19	714.11	0.20	164.61
31.10	4335.33	0.19	714.11	0.20	162.92
31.20	4335.33	0.19	714.11	0.19	161.19
31.30	4335.33	0.19	714.11	0.19	159.48
31.40	4335.33	0.19	714.10	0.19	157.85
31.50	4335.33	0.19	714.10	0.19	156.21
31.60	4335.33	0.19	714.10	0.19	154.54
31.70	4335.33	0.19	714.10	0.19	152.95

HYCROSS.OUT

31.80	4335.33	0.18	714.10	0.19	151.34
31.90	4335.33	0.18	714.10	0.19	149.77
32.00	4335.33	0.18	714.10	0.19	148.22
32.10	4335.33	0.18	714.10	0.19	146.67
32.20	4335.33	0.18	714.10	0.19	145.18
32.30	4335.33	0.18	714.10	0.18	143.67
32.40	4335.33	0.18	714.09	0.18	142.18
32.50	4335.33	0.18	714.09	0.18	140.69
32.60	4335.33	0.18	714.09	0.18	139.23
32.70	4335.33	0.18	714.09	0.18	137.80
32.80	4335.33	0.17	714.09	0.18	136.35
32.90	4335.33	0.17	714.09	0.18	134.96
33.00	4335.33	0.17	714.09	0.18	133.55
33.10	4335.33	0.17	714.09	0.18	132.19
33.20	4335.33	0.17	714.09	0.18	130.80
33.30	4335.33	0.17	714.09	0.18	129.47
33.40	4335.33	0.17	714.09	0.17	128.17
33.50	4335.33	0.17	714.08	0.17	126.88
33.60	4335.33	0.17	714.08	0.17	125.57
33.70	4335.33	0.17	714.08	0.17	124.27
33.80	4335.33	0.17	714.08	0.17	122.99
33.90	4335.33	0.16	714.08	0.17	121.69
34.00	4335.33	0.16	714.08	0.17	120.37
34.10	4335.33	0.16	714.08	0.17	119.10
34.20	4335.33	0.16	714.08	0.17	117.85
34.30	4335.33	0.16	714.08	0.17	116.66
34.40	4335.33	0.16	714.08	0.17	115.45
34.50	4335.33	0.16	714.08	0.17	114.25
34.60	4335.33	0.16	714.07	0.16	113.09
34.70	4335.33	0.16	714.07	0.16	111.94
34.80	4335.33	0.16	714.07	0.16	110.82
34.90	4335.33	0.16	714.07	0.16	109.67
35.00	4335.33	0.15	714.07	0.16	108.57
35.10	4335.33	0.15	714.07	0.16	107.48
35.20	4335.33	0.15	714.07	0.16	106.39
35.30	4335.33	0.15	714.07	0.16	105.28
35.40	4335.33	0.15	714.07	0.16	104.15
35.50	4335.33	0.15	714.07	0.16	102.97
35.60	4335.33	0.15	714.07	0.16	101.76
35.70	4335.33	0.15	714.06	0.16	100.62
35.80	4335.33	0.15	714.06	0.16	99.51
35.90	4335.33	0.15	714.06	0.15	98.47
36.00	4333.40	0.15	714.06	0.15	97.45
36.10	4331.19	0.14	714.06	0.15	96.49
36.20	4328.97	0.14	714.06	0.15	95.57
36.30	4326.71	0.14	714.06	0.15	94.66
36.40	4324.45	0.14	714.06	0.15	93.74
36.50	4322.31	0.14	714.06	0.15	92.89
36.60	4320.69	0.14	714.06	0.15	92.02
36.70	4320.69	0.14	714.06	0.15	91.18
36.80	4320.69	0.14	714.06	0.15	90.33
36.90	4320.69	0.14	714.05	0.15	89.55
37.00	4320.69	0.14	714.05	0.15	88.75
37.10	4320.69	0.14	714.05	0.15	87.94
37.20	4320.69	0.14	714.05	0.15	87.18
37.30	4320.69	0.14	714.05	0.15	86.40
37.40	4320.69	0.14	714.05	0.15	85.64
37.50	4320.69	0.13	714.05	0.15	84.87
37.60	4320.69	0.13	714.05	0.15	84.11
37.70	4320.69	0.13	714.05	0.14	83.35
37.80	4320.69	0.13	714.05	0.14	82.57
37.90	4320.69	0.13	714.05	0.14	81.82
38.00	4320.69	0.13	714.05	0.14	81.05

HYCROSS.OUT

38.10	4320.69	0.13	714.05	0.14	80.29
38.20	4320.69	0.13	714.05	0.14	79.55
38.30	4320.69	0.13	714.04	0.14	78.80
38.40	4320.69	0.13	714.04	0.14	78.06
38.50	4320.69	0.13	714.04	0.14	77.34
38.60	4320.69	0.13	714.04	0.14	76.62
38.70	4320.69	0.13	714.04	0.14	75.91
38.80	4320.69	0.13	714.04	0.14	75.20
38.90	4320.69	0.12	714.04	0.14	74.52
39.00	4320.69	0.12	714.04	0.14	73.82
39.10	4320.69	0.12	714.04	0.14	73.16
39.20	4320.69	0.12	714.04	0.14	72.49
39.30	4320.69	0.12	714.04	0.14	71.83
39.40	4320.69	0.12	714.04	0.14	71.17
39.50	4320.69	0.12	714.04	0.14	70.52
39.60	4320.69	0.12	714.04	0.13	69.89
39.70	4320.69	0.12	714.04	0.13	69.24
39.80	4320.69	0.12	714.03	0.13	68.64
39.90	4320.69	0.12	714.03	0.13	68.01
40.00	4320.69	0.12	714.03	0.13	67.41
40.10	4320.69	0.12	714.03	0.13	66.81
40.20	4320.69	0.12	714.03	0.13	66.22
40.30	4320.69	0.12	714.03	0.13	65.62
40.40	4320.69	0.12	714.03	0.13	65.06
40.50	4320.69	0.11	714.03	0.13	64.48
40.60	4320.69	0.11	714.03	0.13	63.94
40.70	4320.69	0.11	714.03	0.13	63.38
40.80	4320.69	0.11	714.03	0.13	62.83
40.90	4320.69	0.11	714.03	0.13	62.28
41.00	4320.69	0.11	714.03	0.13	61.74
41.10	4320.69	0.11	714.03	0.13	61.21
41.20	4320.69	0.11	714.03	0.13	60.68
41.30	4321.94	0.11	714.03	0.13	60.16
41.40	4323.10	0.11	714.03	0.13	59.65
41.50	4324.43	0.11	714.02	0.13	59.14
41.60	4325.69	0.11	714.02	0.13	58.63
41.70	4326.85	0.11	714.02	0.12	58.12
41.80	4328.16	0.11	714.02	0.12	57.63
41.90	4329.28	0.11	714.02	0.12	57.13
42.00	4330.57	0.11	714.02	0.12	56.66
42.10	4331.71	0.11	714.02	0.12	56.18
42.20	4332.93	0.10	714.02	0.12	55.69
42.30	4334.05	0.10	714.02	0.12	55.23
42.40	4335.19	0.10	714.02	0.12	54.75
42.50	4335.33	0.10	714.02	0.12	54.28
42.60	4335.33	0.10	714.02	0.12	53.83
42.70	4335.33	0.10	714.02	0.12	53.38
42.80	4335.33	0.10	714.02	0.12	52.92
42.90	4335.33	0.10	714.02	0.12	52.48
43.00	4335.33	0.10	714.02	0.12	52.04
43.10	4335.33	0.10	714.02	0.12	51.59
43.20	4335.33	0.10	714.02	0.12	51.17
43.30	4335.33	0.10	714.02	0.12	50.73
43.40	4335.33	0.10	714.01	0.12	50.31
43.50	4335.33	0.10	714.01	0.12	49.89
43.60	4335.33	0.10	714.01	0.12	49.48
43.70	4335.33	0.10	714.01	0.12	49.06
43.80	4335.33	0.10	714.01	0.12	48.66
43.90	4335.33	0.10	714.01	0.12	48.26
44.00	4335.33	0.10	714.01	0.12	47.86
44.10	4335.33	0.10	714.01	0.11	47.47
44.20	4335.33	0.09	714.01	0.11	47.07
44.30	4335.33	0.09	714.01	0.11	46.70

HYCROSS.OUT

44.40	4335.33	0.09	714.01	0.11	46.31
44.50	4335.33	0.09	714.01	0.11	45.94
44.60	4335.33	0.09	714.01	0.11	45.56
44.70	4335.33	0.09	714.01	0.11	45.20
44.80	4335.33	0.09	714.01	0.11	44.83
44.90	4335.33	0.09	714.01	0.11	44.47
45.00	4335.33	0.09	714.01	0.11	44.11
45.10	4335.33	0.09	714.01	0.11	43.75
45.20	4335.33	0.09	714.01	0.11	43.40
45.30	4335.33	0.09	714.01	0.11	43.05
45.40	4335.33	0.09	714.01	0.11	42.71
45.50	4335.33	0.09	714.00	0.11	42.37
45.60	4335.33	0.09	714.00	0.11	42.03
45.70	4335.33	0.09	714.00	0.11	41.70
45.80	4335.33	0.09	714.00	0.11	41.37
45.90	4335.33	0.09	714.00	0.11	41.04
46.00	4335.33	0.09	714.00	0.11	40.71
46.10	4335.33	0.09	714.00	0.11	40.39
46.20	4335.33	0.09	714.00	0.11	40.07
46.30	4335.33	0.09	714.00	0.11	39.76
46.40	4335.33	0.09	714.00	0.11	39.45
46.50	4335.33	0.08	714.00	0.11	39.13
46.60	4329.59	0.08	714.00	0.11	38.83
46.70	4320.69	0.08	714.00	0.11	38.52
46.80	4320.69	0.08	714.00	0.11	38.23
46.90	4320.69	0.08	714.00	0.11	37.93
47.00	4320.69	0.08	714.00	0.11	37.64
47.10	4320.69	0.08	714.00	0.10	37.35
47.20	4320.69	0.08	714.00	0.10	37.07
47.30	4320.69	0.08	714.00	0.10	36.77
47.40	4320.69	0.08	714.00	0.10	36.51
47.50	4320.69	0.08	714.00	0.10	36.23
47.60	4320.69	0.08	714.00	0.10	35.95
47.70	4320.69	0.08	714.00	0.10	35.68
47.80	4320.69	0.08	714.00	0.10	35.41
47.90	4320.69	0.08	714.00	0.10	35.14
48.00	4320.69	0.08	714.00	0.10	34.88
48.10	4320.69	0.08	713.99	0.10	34.62
48.20	4320.69	0.08	713.99	0.10	34.36
48.30	4320.69	0.08	713.99	0.10	34.11
48.40	4320.69	0.08	713.99	0.10	33.85
48.50	4320.69	0.08	713.99	0.10	33.60
48.60	4320.69	0.08	713.99	0.10	33.35
48.70	4320.69	0.08	713.99	0.10	33.11
48.80	4320.69	0.08	713.99	0.10	32.86
48.90	4320.69	0.08	713.99	0.10	32.62
49.00	4320.69	0.08	713.99	0.10	32.38
49.10	4320.69	0.08	713.99	0.10	32.14
49.20	4320.69	0.07	713.99	0.10	31.90
49.30	4320.69	0.07	713.99	0.10	31.67
49.40	4320.69	0.07	713.99	0.10	31.43
49.50	4320.69	0.07	713.99	0.10	31.21
49.60	4320.69	0.07	713.99	0.10	30.98
49.70	4320.69	0.07	713.99	0.10	30.76
49.80	4320.69	0.07	713.99	0.10	30.54
49.90	4320.69	0.07	713.99	0.10	30.31
50.00	4320.69	0.07	713.99	0.10	30.09
50.10	4320.69	0.07	713.99	0.10	29.88
50.20	4320.69	0.07	713.99	0.10	29.67
50.30	4320.69	0.07	713.99	0.10	29.45
50.40	4320.69	0.07	713.99	0.10	29.25
50.50	4320.69	0.07	713.99	0.09	29.04
50.60	4320.69	0.07	713.99	0.09	28.84

HYCROSS.OUT					
50.70	4320.69	0.07	713.99	0.09	28.63
50.80	4320.69	0.07	713.99	0.09	28.44
50.90	4320.69	0.07	713.99	0.09	28.24
51.00	4320.69	0.07	713.99	0.09	28.04
51.10	4320.69	0.07	713.99	0.09	27.84
51.20	4320.69	0.07	713.98	0.09	27.64
51.30	4320.69	0.07	713.98	0.09	27.45
51.40	4314.58	0.07	713.98	0.09	27.26
51.50	4311.55	0.07	713.98	0.09	27.07
51.60	4308.68	0.07	713.98	0.09	26.88
51.70	4305.97	0.07	713.98	0.09	26.69
51.80	4303.03	0.07	713.98	0.09	26.51
51.90	4300.38	0.07	713.98	0.09	26.33
52.00	4299.98	0.07	713.98	0.09	26.15
52.10	4299.98	0.07	713.98	0.09	25.97
52.20	4299.98	0.07	713.98	0.09	25.80
52.30	4299.98	0.07	713.98	0.09	25.62
52.40	4299.98	0.07	713.98	0.09	25.45
52.50	4299.98	0.07	713.98	0.09	25.28
52.60	4287.39	0.06	713.98	0.09	25.12
52.70	4285.33	0.06	713.98	0.09	24.95
52.80	4285.33	0.06	713.98	0.09	24.78
52.90	4285.33	0.06	713.98	0.09	24.62
53.00	4285.33	0.06	713.98	0.09	24.45
53.10	4285.33	0.06	713.98	0.09	24.29
53.20	4285.33	0.06	713.98	0.09	24.13
53.30	4285.33	0.06	713.98	0.09	23.97
53.40	4284.92	0.06	713.98	0.09	23.80
53.50	4284.53	0.06	713.98	0.09	23.65
53.60	4284.08	0.06	713.98	0.09	23.49
53.70	4283.62	0.06	713.98	0.09	23.33
53.80	4282.84	0.06	713.98	0.09	23.18
53.90	4277.09	0.06	713.98	0.09	23.03
54.00	4271.59	0.06	713.98	0.09	22.88
54.10	4267.51	0.06	713.98	0.09	22.73
54.20	4266.99	0.06	713.98	0.09	22.58
54.30	4266.59	0.06	713.98	0.09	22.43
54.40	4266.28	0.06	713.98	0.09	22.28
54.50	4265.89	0.06	713.98	0.09	22.14
54.60	4265.48	0.06	713.98	0.09	22.00
54.70	4265.10	0.06	713.98	0.09	21.85
54.80	4264.79	0.06	713.98	0.09	21.72
54.90	4264.45	0.06	713.98	0.09	21.58
55.00	4264.12	0.06	713.97	0.09	21.45
55.10	4263.65	0.06	713.97	0.09	21.31
55.20	4263.23	0.06	713.97	0.08	21.17
55.30	4262.90	0.06	713.97	0.08	21.04
55.40	4262.33	0.06	713.97	0.08	20.90
55.50	4262.00	0.06	713.97	0.08	20.77
55.60	4261.62	0.06	713.97	0.08	20.64
55.70	4261.29	0.06	713.97	0.08	20.51
55.80	4260.88	0.06	713.97	0.08	20.38
55.90	4260.64	0.06	713.97	0.08	20.26
56.00	4260.35	0.06	713.97	0.08	20.13
56.10	4259.90	0.06	713.97	0.08	20.01
56.20	4259.69	0.06	713.97	0.08	19.88
56.30	4259.42	0.06	713.97	0.08	19.76
56.40	4259.00	0.06	713.97	0.08	19.63
56.50	4258.71	0.06	713.97	0.08	19.51
56.60	4258.38	0.06	713.97	0.08	19.39
56.70	4258.01	0.06	713.97	0.08	19.27
56.80	4257.61	0.06	713.97	0.08	19.14
56.90	4257.25	0.05	713.97	0.08	19.02

HYCROSS.OUT					
57.00	4257.08	0.05	713.97	0.08	18.91
57.10	4256.61	0.05	713.97	0.08	18.79
57.20	4256.18	0.05	713.97	0.08	18.67
57.30	4256.04	0.05	713.97	0.08	18.56
57.40	4256.04	0.05	713.97	0.08	18.44
57.50	4256.04	0.05	713.97	0.08	18.33
57.60	4256.04	0.05	713.97	0.08	18.22
57.70	4256.04	0.05	713.97	0.08	18.11
57.80	4256.04	0.05	713.97	0.08	18.00
57.90	4256.04	0.05	713.97	0.08	17.89
58.00	4256.04	0.05	713.97	0.08	17.78
58.10	4256.04	0.05	713.97	0.08	17.67
58.20	4256.04	0.05	713.97	0.08	17.56
58.30	4256.04	0.05	713.97	0.08	17.45
58.40	4256.04	0.05	713.97	0.08	17.34
58.50	4256.04	0.05	713.97	0.08	17.24
58.60	4256.04	0.05	713.97	0.08	17.14
58.70	4256.04	0.05	713.97	0.08	17.03
58.80	4256.04	0.05	713.97	0.08	16.93
58.90	4256.04	0.05	713.97	0.08	16.83
59.00	4256.04	0.05	713.97	0.08	16.73
59.10	4256.04	0.05	713.97	0.08	16.63
59.20	4256.04	0.05	713.97	0.08	16.54
59.30	4256.04	0.05	713.97	0.08	16.44
59.40	4256.04	0.05	713.97	0.08	16.34
59.50	4256.04	0.05	713.97	0.08	16.24
59.60	4256.32	0.05	713.97	0.08	16.15
59.70	4259.35	0.05	713.97	0.08	16.05
59.80	4261.87	0.05	713.97	0.08	15.96
59.90	4264.48	0.05	713.97	0.08	15.87
60.00	4266.94	0.05	713.97	0.08	15.78

THE MAXIMUM DISCHARGE FROM CROSS SECTION 3 IS: 2435.38 CFS AT TIME:
15.26 HOURS
THE TOTAL VOLUME OF DISCHARGE IS: 1321.04 AF

HYDROGRAPH AND FLOODPLAIN HYDRAULICS (AVERAGED FOR THE OUTPUT INTERVAL) FOR
CROSS SECTION NO: 3

VELOCITY = AVERAGE CROSS SECTION VELOCITY (BASED ON DISCHARGE AND FLOW AREA)

TIME (HRS)	FLOW WIDTH (FT)	AVE. DEPTH (FT)	WS ELEV (FT/FT)	VELOCITY (FPS)	DISCHARGE (CFS)
0.10	0.00	0.00	0.00	0.00	0.00
0.20	0.00	0.00	0.00	0.00	0.00
0.30	0.00	0.00	0.00	0.00	0.00
0.40	0.00	0.00	0.00	0.00	0.00
0.50	0.00	0.00	0.00	0.00	0.00
0.60	0.00	0.00	0.00	0.00	0.00
0.70	0.00	0.00	0.00	0.00	0.00
0.80	0.00	0.00	0.00	0.00	0.00
0.90	0.00	0.00	0.00	0.00	0.00
1.00	0.00	0.00	0.00	0.00	0.00
1.10	0.00	0.00	0.00	0.00	0.00
1.20	0.00	0.00	0.00	0.00	0.00
1.30	0.00	0.00	0.00	0.00	0.00
1.40	0.00	0.00	0.00	0.00	0.00
1.50	0.00	0.00	0.00	0.00	0.00
1.60	0.00	0.00	0.00	0.00	0.00
1.70	0.00	0.00	0.00	0.00	0.00
1.80	0.00	0.00	0.00	0.00	0.00

HYCROSS.OUT

1.90	0.00	0.00	0.00	0.00	0.00
2.00	0.00	0.00	0.00	0.00	0.00
2.10	0.00	0.00	0.00	0.00	0.00
2.20	0.00	0.00	0.00	0.00	0.00
2.30	0.00	0.00	0.00	0.00	0.00
2.40	0.00	0.00	0.00	0.00	0.00
2.50	0.00	0.00	0.00	0.00	0.00
2.60	0.00	0.00	0.00	0.00	0.00
2.70	0.00	0.00	0.00	0.00	0.00
2.80	0.00	0.00	0.00	0.00	0.00
2.90	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00
3.10	0.00	0.00	0.00	0.00	0.00
3.20	0.00	0.00	0.00	0.00	0.00
3.30	0.00	0.00	0.00	0.00	0.00
3.40	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00
3.60	0.00	0.00	0.00	0.00	0.00
3.70	0.00	0.00	0.00	0.00	0.00
3.80	0.00	0.00	0.00	0.00	0.00
3.90	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00
4.10	0.00	0.00	0.00	0.00	0.00
4.20	0.00	0.00	0.00	0.00	0.00
4.30	0.00	0.00	0.00	0.00	0.00
4.40	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00
4.60	0.00	0.00	0.00	0.00	0.00
4.70	0.00	0.00	0.00	0.00	0.00
4.80	0.00	0.00	0.00	0.00	0.00
4.90	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00
5.10	0.00	0.00	0.00	0.00	0.00
5.20	0.00	0.00	0.00	0.00	0.00
5.30	0.00	0.00	0.00	0.00	0.00
5.40	0.00	0.00	0.00	0.00	0.00
5.50	0.00	0.00	0.00	0.00	0.00
5.60	0.00	0.00	0.00	0.00	0.00
5.70	0.00	0.00	0.00	0.00	0.00
5.80	0.00	0.00	1331.51	0.00	0.00
5.90	13.01	0.00	1331.51	0.00	0.00
6.00	19.85	0.00	1331.51	0.00	0.00
6.10	20.71	0.00	1331.51	0.22	0.00
6.20	20.71	0.00	1331.51	0.36	0.00
6.30	20.71	0.00	1331.51	0.42	0.00
6.40	20.71	0.00	1331.51	0.47	0.00
6.50	34.00	0.00	1331.51	0.31	0.00
6.60	35.36	0.00	1331.51	0.33	0.00
6.70	35.36	0.00	1331.51	0.39	0.00
6.80	35.36	0.00	1331.51	0.40	0.01
6.90	35.36	0.00	1331.51	0.41	0.01
7.00	52.56	0.00	1331.51	0.28	0.01
7.10	56.07	0.00	1331.51	0.30	0.01
7.20	63.33	0.00	1331.51	0.27	0.01
7.30	74.75	0.00	1331.51	0.26	0.01
7.40	99.64	0.00	1331.51	0.20	0.01
7.50	106.07	0.00	1331.51	0.22	0.01
7.60	113.58	0.00	1331.51	0.21	0.01
7.70	124.82	0.00	1331.51	0.21	0.01
7.80	153.39	0.00	1331.51	0.18	0.01
7.90	156.07	0.00	1331.51	0.20	0.02
8.00	160.78	0.00	1331.51	0.21	0.02
8.10	170.71	0.00	1331.51	0.21	0.02

HYCROSS.OUT

8.20	170.71	0.00	1331.51	0.22	0.02
8.30	173.02	0.00	1331.51	0.22	0.02
8.40	193.26	0.00	1331.51	0.20	0.02
8.50	200.00	0.00	1331.51	0.20	0.02
8.60	200.00	0.00	1331.51	0.21	0.03
8.70	200.00	0.00	1331.51	0.22	0.03
8.80	200.00	0.00	1331.51	0.22	0.03
8.90	200.00	0.00	1331.51	0.23	0.03
9.00	200.00	0.00	1331.51	0.23	0.03
9.10	224.65	0.00	1331.51	0.21	0.04
9.20	235.35	0.00	1331.51	0.21	0.04
9.30	235.35	0.00	1331.51	0.21	0.04
9.40	237.22	0.00	1331.51	0.22	0.04
9.50	256.06	0.00	1331.51	0.21	0.05
9.60	256.06	0.00	1331.51	0.21	0.05
9.70	258.19	0.00	1331.51	0.22	0.05
9.80	275.64	0.00	1331.51	0.21	0.05
9.90	285.35	0.00	1331.51	0.20	0.06
10.00	285.35	0.00	1331.51	0.20	0.06
10.10	285.35	0.00	1331.51	0.20	0.07
10.20	285.35	0.00	1331.51	0.20	0.07
10.30	285.35	0.00	1331.51	0.20	0.08
10.40	289.24	0.00	1331.51	0.20	0.09
10.50	311.99	0.00	1331.51	0.18	0.10
10.60	320.71	0.00	1331.51	0.18	0.12
10.70	350.09	0.00	1331.51	0.16	0.13
10.80	404.87	0.00	1331.51	0.14	0.16
10.90	421.81	0.00	1331.51	0.14	0.19
11.00	470.96	0.00	1331.51	0.13	0.22
11.10	521.38	0.00	1331.51	0.12	0.27
11.20	711.50	0.00	1331.51	0.09	0.32
11.30	914.56	0.01	1331.51	0.08	0.38
11.40	1184.76	0.01	1331.51	0.06	0.45
11.50	1411.76	0.01	1331.51	0.05	0.52
11.60	1612.11	0.01	1331.51	0.05	0.66
11.70	1723.11	0.01	1331.52	0.05	0.87
11.80	1752.08	0.01	1331.52	0.05	1.22
11.90	1777.61	0.02	1331.53	0.06	2.43
12.00	1798.71	0.03	1331.54	0.08	4.40
12.10	1799.99	0.04	1331.55	0.09	6.57
12.20	1799.99	0.05	1331.56	0.10	8.90
12.30	1799.99	0.06	1331.56	0.12	12.54
12.40	1799.99	0.06	1331.57	0.14	16.02
12.50	1799.99	0.06	1331.57	0.15	17.66
12.60	1799.99	0.06	1331.57	0.16	18.35
12.70	1799.99	0.07	1331.57	0.17	19.95
12.80	1768.47	0.07	1331.57	0.20	24.36
12.90	1776.73	0.09	1331.60	0.31	52.10
13.00	1779.28	0.16	1331.66	0.72	204.36
13.10	1775.74	0.20	1331.71	0.89	323.45
13.20	1745.96	0.22	1331.73	0.98	374.41
13.30	1724.72	0.22	1331.73	1.01	388.94
13.40	1720.70	0.23	1331.73	1.03	406.93
13.50	1720.70	0.27	1331.78	1.28	606.86
13.60	1720.70	0.37	1331.88	1.71	1091.42
13.70	1714.91	0.45	1331.96	2.06	1597.73
13.80	1697.23	0.47	1331.98	2.16	1737.12
13.90	1691.41	0.48	1331.98	2.13	1714.53
14.00	1684.94	0.47	1331.97	2.10	1648.60
14.10	1676.77	0.46	1331.96	2.06	1572.53
14.20	1676.77	0.44	1331.95	2.01	1492.76
14.30	1676.77	0.43	1331.94	1.96	1419.91
14.40	1676.77	0.42	1331.93	1.92	1354.34

HYCROSS.OUT

14.50	1676.77	0.41	1331.92	1.88	1301.80
14.60	1676.77	0.41	1331.91	1.85	1265.30
14.70	1676.77	0.40	1331.91	1.84	1247.30
14.80	1676.77	0.41	1331.91	1.85	1255.95
14.90	1676.77	0.42	1331.93	1.93	1369.23
15.00	1676.77	0.48	1331.99	2.20	1779.58
15.10	1668.40	0.54	1332.05	2.46	2210.00
15.20	1656.06	0.56	1332.07	2.56	2387.77
15.30	1656.06	0.57	1332.08	2.57	2432.26
15.40	1656.06	0.57	1332.08	2.57	2426.74
15.50	1656.06	0.57	1332.07	2.55	2391.18
15.60	1656.06	0.56	1332.06	2.52	2330.41
15.70	1656.06	0.55	1332.05	2.48	2253.11
15.80	1656.06	0.54	1332.04	2.44	2169.98
15.90	1656.06	0.53	1332.03	2.39	2085.65
16.00	1656.06	0.52	1332.02	2.35	2008.20
16.10	1656.06	0.51	1332.01	2.31	1933.54
16.20	1656.06	0.50	1332.00	2.27	1864.56
16.30	1656.06	0.49	1331.99	2.23	1800.44
16.40	1656.06	0.48	1331.99	2.19	1739.86
16.50	1656.06	0.47	1331.98	2.16	1683.23
16.60	1656.06	0.46	1331.97	2.12	1628.19
16.70	1656.06	0.46	1331.96	2.09	1577.96
16.80	1643.75	0.45	1331.95	2.07	1530.19
16.90	1626.77	0.44	1331.95	2.07	1486.55
17.00	1626.77	0.44	1331.94	2.04	1444.79
17.10	1626.77	0.43	1331.93	2.01	1402.18
17.20	1626.77	0.42	1331.93	1.98	1361.60
17.30	1624.09	0.42	1331.92	1.96	1323.61
17.40	1612.12	0.41	1331.92	1.95	1288.99
17.50	1612.12	0.41	1331.91	1.92	1255.95
17.60	1602.14	0.40	1331.91	1.91	1224.38
17.70	1597.48	0.39	1331.90	1.90	1194.56
17.80	1597.48	0.39	1331.90	1.88	1166.47
17.90	1597.48	0.38	1331.89	1.86	1139.86
18.00	1597.48	0.38	1331.89	1.83	1113.01
18.10	1597.48	0.38	1331.88	1.82	1087.91
18.20	1576.68	0.37	1331.88	1.82	1063.68
18.30	1568.19	0.37	1331.87	1.81	1042.47
18.40	1568.19	0.36	1331.87	1.80	1021.78
18.50	1568.19	0.36	1331.86	1.78	1000.24
18.60	1568.19	0.35	1331.86	1.76	976.71
18.70	1550.02	0.35	1331.86	1.77	956.30
18.80	1547.48	0.34	1331.85	1.75	935.49
18.90	1547.48	0.34	1331.85	1.74	918.23
19.00	1547.48	0.34	1331.84	1.73	901.92
19.10	1540.54	0.33	1331.84	1.72	886.15
19.20	1526.77	0.33	1331.84	1.72	870.57
19.30	1526.77	0.33	1331.83	1.71	855.73
19.40	1526.77	0.33	1331.83	1.69	843.04
19.50	1515.79	0.32	1331.83	1.69	830.26
19.60	1507.24	0.32	1331.83	1.69	817.29
19.70	1497.48	0.32	1331.82	1.69	804.75
19.80	1497.48	0.32	1331.82	1.68	792.45
19.90	1497.48	0.31	1331.82	1.66	781.33
20.00	1497.48	0.31	1331.82	1.65	770.19
20.10	1492.84	0.31	1331.81	1.65	758.83
20.20	1482.83	0.31	1331.81	1.65	747.50
20.30	1482.83	0.30	1331.81	1.64	737.10
20.40	1482.83	0.30	1331.81	1.63	727.27
20.50	1482.83	0.30	1331.81	1.62	717.97
20.60	1482.83	0.30	1331.80	1.60	708.50
20.70	1482.83	0.30	1331.80	1.59	698.52

HYCROSS.OUT					
20.80	1482.83	0.29	1331.80	1.58	687.67
20.90	1482.83	0.29	1331.80	1.57	679.28
21.00	1482.83	0.29	1331.80	1.56	671.19
21.10	1482.83	0.29	1331.79	1.55	663.38
21.20	1482.83	0.29	1331.79	1.54	655.29
21.30	1482.83	0.29	1331.79	1.53	647.20
21.40	1482.83	0.28	1331.79	1.52	639.58
21.50	1482.83	0.28	1331.79	1.51	631.96
21.60	1482.83	0.28	1331.79	1.50	624.49
21.70	1482.83	0.28	1331.79	1.49	617.56
21.80	1471.83	0.28	1331.78	1.49	611.35
21.90	1468.19	0.28	1331.78	1.49	605.08
22.00	1468.19	0.28	1331.78	1.48	597.58
22.10	1468.19	0.27	1331.78	1.47	590.46
22.20	1468.19	0.27	1331.78	1.46	583.62
22.30	1457.90	0.27	1331.78	1.46	577.67
22.40	1453.55	0.27	1331.78	1.46	572.05
22.50	1453.55	0.27	1331.78	1.45	566.57
22.60	1445.17	0.27	1331.77	1.45	561.12
22.70	1432.84	0.27	1331.77	1.45	555.59
22.80	1432.84	0.27	1331.77	1.45	550.21
22.90	1417.84	0.26	1331.77	1.45	544.65
23.00	1412.12	0.26	1331.77	1.45	539.21
23.10	1412.12	0.26	1331.77	1.44	533.41
23.20	1412.12	0.26	1331.77	1.43	527.01
23.30	1407.85	0.26	1331.77	1.43	521.76
23.40	1397.48	0.26	1331.76	1.44	517.24
23.50	1396.90	0.26	1331.76	1.43	513.12
23.60	1382.84	0.26	1331.76	1.44	508.73
23.70	1382.84	0.25	1331.76	1.43	504.29
23.80	1382.84	0.25	1331.76	1.43	500.01
23.90	1382.84	0.25	1331.76	1.42	495.40
24.00	1382.84	0.25	1331.76	1.41	490.88
24.10	1290.05	0.25	1331.76	1.50	486.44
24.20	1141.74	0.26	1331.76	1.65	481.91
24.30	1052.12	0.26	1331.77	1.74	477.49
24.40	1008.53	0.26	1331.77	1.80	473.25
24.50	963.93	0.26	1331.77	1.87	469.18
24.60	956.06	0.26	1331.77	1.85	464.93
24.70	956.06	0.27	1331.77	1.82	460.80
24.80	946.18	0.26	1331.77	1.83	457.11
24.90	931.68	0.26	1331.77	1.85	453.49
25.00	926.77	0.26	1331.77	1.85	449.34
25.10	926.77	0.26	1331.77	1.84	445.02
25.20	926.77	0.26	1331.77	1.83	441.21
25.30	926.77	0.26	1331.76	1.83	436.91
25.40	926.77	0.26	1331.76	1.82	432.52
25.50	915.39	0.26	1331.76	1.83	428.57
25.60	898.98	0.25	1331.76	1.86	424.48
25.70	885.35	0.25	1331.76	1.88	420.20
25.80	876.91	0.25	1331.76	1.88	416.02
25.90	870.71	0.25	1331.76	1.89	412.06
26.00	870.71	0.25	1331.76	1.88	408.19
26.10	870.71	0.25	1331.75	1.87	404.26
26.20	870.71	0.25	1331.75	1.86	400.00
26.30	870.71	0.25	1331.75	1.85	395.66
26.40	870.71	0.24	1331.75	1.84	390.44
26.50	870.71	0.24	1331.75	1.83	386.62
26.60	870.71	0.24	1331.75	1.82	383.19
26.70	870.71	0.24	1331.75	1.81	378.91
26.80	870.71	0.24	1331.75	1.80	374.61
26.90	870.71	0.24	1331.74	1.79	371.01
27.00	870.71	0.24	1331.74	1.78	367.43

HYCROSS.OUT

27.10	870.71	0.24	1331.74	1.77	363.40
27.20	870.71	0.23	1331.74	1.76	359.13
27.30	870.71	0.23	1331.74	1.75	354.74
27.40	870.71	0.23	1331.74	1.74	350.67
27.50	870.71	0.23	1331.74	1.73	346.73
27.60	870.71	0.23	1331.74	1.72	343.15
27.70	870.71	0.23	1331.73	1.71	339.68
27.80	870.71	0.23	1331.73	1.70	335.95
27.90	870.71	0.23	1331.73	1.69	332.36
28.00	870.71	0.22	1331.73	1.68	328.20
28.10	870.71	0.22	1331.73	1.66	324.07
28.20	870.71	0.22	1331.73	1.65	320.00
28.30	870.71	0.22	1331.73	1.64	315.56
28.40	870.71	0.22	1331.73	1.63	310.15
28.50	870.71	0.22	1331.72	1.62	305.76
28.60	870.71	0.22	1331.72	1.60	301.54
28.70	870.71	0.21	1331.72	1.59	297.18
28.80	870.71	0.21	1331.72	1.58	293.65
28.90	870.71	0.21	1331.72	1.57	289.79
29.00	870.71	0.21	1331.72	1.55	285.04
29.10	870.71	0.21	1331.72	1.54	280.22
29.20	870.71	0.21	1331.71	1.53	276.39
29.30	870.71	0.21	1331.71	1.52	272.76
29.40	870.71	0.21	1331.71	1.51	269.03
29.50	870.71	0.20	1331.71	1.49	263.82
29.60	870.71	0.20	1331.71	1.48	259.99
29.70	870.71	0.20	1331.71	1.47	257.31
29.80	870.71	0.20	1331.71	1.46	254.02
29.90	870.71	0.20	1331.70	1.45	249.83
30.00	870.71	0.20	1331.70	1.44	245.29
30.10	870.71	0.19	1331.70	1.43	241.22
30.20	870.71	0.19	1331.70	1.41	237.59
30.30	870.71	0.19	1331.70	1.40	234.46
30.40	870.71	0.19	1331.70	1.39	231.10
30.50	870.71	0.19	1331.69	1.38	227.60
30.60	870.71	0.19	1331.69	1.38	224.30
30.70	870.71	0.19	1331.69	1.37	220.83
30.80	870.71	0.18	1331.69	1.35	216.46
30.90	870.71	0.18	1331.69	1.34	213.50
31.00	870.71	0.18	1331.69	1.34	211.88
31.10	870.71	0.18	1331.69	1.33	209.93
31.20	870.71	0.18	1331.69	1.32	207.26
31.30	870.71	0.18	1331.69	1.31	204.86
31.40	870.71	0.18	1331.68	1.30	202.64
31.50	870.71	0.18	1331.68	1.30	199.98
31.60	870.71	0.18	1331.68	1.29	197.21
31.70	870.71	0.17	1331.68	1.28	194.50
31.80	870.71	0.17	1331.68	1.27	191.89
31.90	870.71	0.17	1331.68	1.26	189.15
32.00	870.71	0.17	1331.68	1.25	186.11
32.10	870.71	0.17	1331.68	1.24	182.82
32.20	870.71	0.17	1331.67	1.23	180.03
32.30	870.71	0.17	1331.67	1.22	177.72
32.40	870.71	0.17	1331.67	1.22	175.79
32.50	870.71	0.16	1331.67	1.21	174.06
32.60	870.71	0.16	1331.67	1.20	172.30
32.70	870.71	0.16	1331.67	1.20	170.67
32.80	870.71	0.16	1331.67	1.19	169.02
32.90	870.71	0.16	1331.67	1.18	167.50
33.00	870.71	0.16	1331.67	1.18	165.60
33.10	870.71	0.16	1331.67	1.17	163.49
33.20	870.71	0.16	1331.67	1.16	161.28
33.30	870.71	0.16	1331.66	1.15	159.15

HYCROSS.OUT

33.40	870.71	0.16	1331.66	1.14	156.63
33.50	870.71	0.16	1331.66	1.13	153.59
33.60	870.71	0.15	1331.66	1.12	149.96
33.70	870.71	0.15	1331.66	1.10	146.75
33.80	870.71	0.15	1331.66	1.09	144.14
33.90	870.71	0.15	1331.66	1.08	140.80
34.00	870.71	0.15	1331.65	1.07	137.35
34.10	870.71	0.15	1331.65	1.05	134.77
34.20	870.71	0.15	1331.65	1.04	132.67
34.30	870.71	0.15	1331.65	1.04	130.84
34.40	870.71	0.14	1331.65	1.03	128.86
34.50	870.71	0.14	1331.65	1.02	126.89
34.60	870.71	0.14	1331.65	1.01	124.56
34.70	870.71	0.14	1331.65	1.00	121.95
34.80	870.71	0.14	1331.65	0.99	119.74
34.90	870.71	0.14	1331.64	0.98	117.89
35.00	870.71	0.14	1331.64	0.97	116.11
35.10	870.71	0.14	1331.64	0.97	114.09
35.20	870.71	0.13	1331.64	0.96	112.04
35.30	870.71	0.13	1331.64	0.95	110.00
35.40	870.71	0.13	1331.64	0.94	108.29
35.50	870.71	0.13	1331.64	0.94	106.96
35.60	870.71	0.13	1331.64	0.93	105.67
35.70	870.71	0.13	1331.64	0.92	104.62
35.80	870.71	0.13	1331.64	0.92	104.00
35.90	870.71	0.13	1331.64	0.92	103.46
36.00	870.71	0.13	1331.63	0.92	102.49
36.10	870.71	0.13	1331.63	0.91	101.33
36.20	870.71	0.13	1331.63	0.90	100.16
36.30	870.71	0.13	1331.63	0.90	99.07
36.40	870.71	0.13	1331.63	0.89	97.92
36.50	870.71	0.13	1331.63	0.89	96.75
36.60	870.71	0.12	1331.63	0.88	95.54
36.70	870.71	0.12	1331.63	0.87	94.31
36.80	870.71	0.12	1331.63	0.87	93.00
36.90	870.71	0.12	1331.63	0.86	91.80
37.00	870.71	0.12	1331.63	0.85	90.50
37.10	870.71	0.12	1331.63	0.84	89.20
37.20	870.71	0.12	1331.63	0.84	88.00
37.30	870.71	0.12	1331.63	0.83	86.69
37.40	870.71	0.12	1331.63	0.82	85.53
37.50	870.71	0.12	1331.62	0.82	84.43
37.60	870.71	0.12	1331.62	0.81	83.44
37.70	870.71	0.12	1331.62	0.81	82.63
37.80	870.71	0.12	1331.62	0.80	81.75
37.90	870.71	0.12	1331.62	0.80	80.92
38.00	870.71	0.12	1331.62	0.79	80.03
38.10	870.71	0.12	1331.62	0.79	79.19
38.20	870.71	0.11	1331.62	0.79	78.39
38.30	870.71	0.11	1331.62	0.78	77.64
38.40	870.71	0.11	1331.62	0.78	76.98
38.50	870.71	0.11	1331.62	0.77	76.31
38.60	870.71	0.11	1331.62	0.77	75.57
38.70	870.71	0.11	1331.62	0.77	74.78
38.80	870.71	0.11	1331.62	0.76	73.93
38.90	870.71	0.11	1331.62	0.76	73.11
39.00	870.71	0.11	1331.62	0.75	72.19
39.10	870.71	0.11	1331.62	0.75	71.18
39.20	870.71	0.11	1331.62	0.74	70.14
39.30	870.71	0.11	1331.61	0.73	69.04
39.40	870.71	0.11	1331.61	0.73	68.06
39.50	870.71	0.11	1331.61	0.72	67.34
39.60	866.30	0.11	1331.61	0.72	66.69

HYCROSS.OUT

39.70	856.06	0.11	1331.61	0.73	66.12
39.80	856.06	0.11	1331.61	0.73	65.62
39.90	856.06	0.11	1331.61	0.72	65.07
40.00	836.73	0.10	1331.61	0.74	64.50
40.10	835.35	0.10	1331.61	0.73	63.88
40.20	835.35	0.10	1331.61	0.73	63.28
40.30	835.35	0.10	1331.61	0.73	62.66
40.40	835.35	0.10	1331.61	0.72	62.13
40.50	835.35	0.10	1331.61	0.72	61.61
40.60	835.35	0.10	1331.61	0.72	61.05
40.70	824.32	0.10	1331.61	0.72	60.40
40.80	820.71	0.10	1331.61	0.72	59.70
40.90	820.71	0.10	1331.61	0.72	58.91
41.00	820.71	0.10	1331.61	0.71	58.06
41.10	820.71	0.10	1331.61	0.70	57.20
41.20	820.71	0.10	1331.60	0.70	56.43
41.30	820.71	0.10	1331.60	0.69	55.78
41.40	820.71	0.10	1331.60	0.69	55.29
41.50	820.71	0.10	1331.60	0.69	54.83
41.60	820.71	0.10	1331.60	0.69	54.37
41.70	820.71	0.10	1331.60	0.68	53.90
41.80	808.62	0.10	1331.60	0.69	53.42
41.90	806.06	0.10	1331.60	0.69	52.91
42.00	806.06	0.09	1331.60	0.68	52.42
42.10	806.06	0.09	1331.60	0.68	51.93
42.20	806.06	0.09	1331.60	0.68	51.43
42.30	806.06	0.09	1331.60	0.67	50.93
42.40	806.06	0.09	1331.60	0.67	50.45
42.50	806.06	0.09	1331.60	0.67	49.97
42.60	806.06	0.09	1331.60	0.66	49.51
42.70	806.06	0.09	1331.60	0.66	49.03
42.80	806.06	0.09	1331.60	0.66	48.55
42.90	806.06	0.09	1331.60	0.65	48.09
43.00	806.06	0.09	1331.60	0.65	47.61
43.10	806.06	0.09	1331.60	0.65	47.13
43.20	806.06	0.09	1331.60	0.64	46.67
43.30	806.06	0.09	1331.60	0.64	46.21
43.40	806.06	0.09	1331.60	0.64	45.82
43.50	806.06	0.09	1331.59	0.63	45.42
43.60	806.06	0.09	1331.59	0.63	45.05
43.70	806.06	0.09	1331.59	0.63	44.70
43.80	803.90	0.09	1331.59	0.63	44.37
43.90	791.42	0.09	1331.59	0.64	44.03
44.00	791.42	0.09	1331.59	0.63	43.68
44.10	791.42	0.09	1331.59	0.63	43.34
44.20	791.42	0.09	1331.59	0.63	42.99
44.30	791.42	0.09	1331.59	0.63	42.66
44.40	791.42	0.09	1331.59	0.62	42.32
44.50	791.42	0.09	1331.59	0.62	41.99
44.60	791.42	0.09	1331.59	0.62	41.66
44.70	791.42	0.08	1331.59	0.62	41.34
44.80	791.42	0.08	1331.59	0.61	41.02
44.90	791.42	0.08	1331.59	0.61	40.70
45.00	791.42	0.08	1331.59	0.61	40.36
45.10	791.42	0.08	1331.59	0.60	40.03
45.20	791.42	0.08	1331.59	0.60	39.72
45.30	791.42	0.08	1331.59	0.60	39.43
45.40	780.43	0.08	1331.59	0.60	39.11
45.50	776.77	0.08	1331.59	0.61	38.80
45.60	776.77	0.08	1331.59	0.60	38.50
45.70	776.77	0.08	1331.59	0.60	38.20
45.80	776.77	0.08	1331.59	0.60	37.91
45.90	776.77	0.08	1331.59	0.60	37.62

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46.00	776.77	0.08	1331.59	0.59	37.34
46.10	776.77	0.08	1331.59	0.59	37.04
46.20	776.77	0.08	1331.59	0.59	36.76
46.30	769.69	0.08	1331.59	0.59	36.48
46.40	762.13	0.08	1331.59	0.59	36.22
46.50	762.13	0.08	1331.59	0.59	35.96
46.60	762.13	0.08	1331.59	0.59	35.73
46.70	762.13	0.08	1331.59	0.59	35.50
46.80	762.13	0.08	1331.59	0.59	35.28
46.90	762.13	0.08	1331.58	0.58	35.06
47.00	742.81	0.08	1331.58	0.60	34.83
47.10	741.42	0.08	1331.58	0.60	34.60
47.20	731.84	0.08	1331.58	0.60	34.37
47.30	712.13	0.08	1331.58	0.62	34.13
47.40	709.49	0.08	1331.58	0.62	33.91
47.50	691.42	0.08	1331.58	0.63	33.68
47.60	691.42	0.08	1331.58	0.63	33.43
47.70	691.42	0.08	1331.58	0.63	33.19
47.80	691.42	0.08	1331.58	0.62	32.93
47.90	691.42	0.08	1331.58	0.62	32.65
48.00	691.42	0.08	1331.58	0.62	32.36
48.10	691.42	0.08	1331.58	0.61	32.06
48.20	691.42	0.08	1331.58	0.61	31.75
48.30	691.42	0.07	1331.58	0.61	31.45
48.40	691.42	0.07	1331.58	0.61	31.14
48.50	691.42	0.07	1331.58	0.60	30.83
48.60	691.42	0.07	1331.58	0.60	30.54
48.70	691.42	0.07	1331.58	0.60	30.28
48.80	691.42	0.07	1331.58	0.59	30.02
48.90	691.42	0.07	1331.58	0.59	29.78
49.00	691.42	0.07	1331.58	0.59	29.56
49.10	691.42	0.07	1331.58	0.59	29.34
49.20	691.42	0.07	1331.58	0.58	29.13
49.30	691.42	0.07	1331.58	0.58	28.94
49.40	691.42	0.07	1331.58	0.58	28.75
49.50	691.42	0.07	1331.58	0.58	28.57
49.60	691.42	0.07	1331.58	0.58	28.40
49.70	691.42	0.07	1331.58	0.58	28.23
49.80	691.42	0.07	1331.58	0.57	28.07
49.90	691.42	0.07	1331.58	0.57	27.91
50.00	691.42	0.07	1331.58	0.57	27.76
50.10	691.42	0.07	1331.58	0.57	27.63
50.20	691.42	0.07	1331.58	0.57	27.50
50.30	691.42	0.07	1331.58	0.57	27.36
50.40	691.42	0.07	1331.58	0.56	27.22
50.50	671.81	0.07	1331.58	0.58	27.07
50.60	670.71	0.07	1331.58	0.58	26.92
50.70	670.71	0.07	1331.58	0.58	26.76
50.80	670.71	0.07	1331.58	0.58	26.60
50.90	659.74	0.07	1331.57	0.58	26.45
51.00	656.06	0.07	1331.57	0.58	26.31
51.10	656.06	0.07	1331.57	0.58	26.16
51.20	656.06	0.07	1331.57	0.58	26.01
51.30	656.06	0.07	1331.57	0.58	25.88
51.40	656.06	0.07	1331.57	0.58	25.74
51.50	656.06	0.07	1331.57	0.58	25.61
51.60	656.06	0.07	1331.57	0.58	25.47
51.70	656.06	0.07	1331.57	0.57	25.34
51.80	656.06	0.07	1331.57	0.57	25.21
51.90	656.06	0.07	1331.57	0.57	25.07
52.00	656.06	0.07	1331.57	0.57	24.94
52.10	656.06	0.07	1331.57	0.57	24.80
52.20	656.06	0.07	1331.57	0.57	24.66

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52.30	656.06	0.07	1331.57	0.56	24.52
52.40	656.06	0.07	1331.57	0.56	24.39
52.50	656.06	0.07	1331.57	0.56	24.25
52.60	656.06	0.07	1331.57	0.56	24.12
52.70	656.06	0.07	1331.57	0.56	23.98
52.80	656.06	0.07	1331.57	0.56	23.85
52.90	656.06	0.07	1331.57	0.55	23.71
53.00	656.06	0.07	1331.57	0.55	23.58
53.10	656.06	0.06	1331.57	0.55	23.44
53.20	656.06	0.06	1331.57	0.55	23.32
53.30	656.06	0.06	1331.57	0.55	23.19
53.40	656.06	0.06	1331.57	0.55	23.06
53.50	656.06	0.06	1331.57	0.55	22.94
53.60	656.06	0.06	1331.57	0.54	22.81
53.70	656.06	0.06	1331.57	0.54	22.68
53.80	656.06	0.06	1331.57	0.54	22.56
53.90	656.06	0.06	1331.57	0.54	22.44
54.00	656.06	0.06	1331.57	0.54	22.32
54.10	656.06	0.06	1331.57	0.54	22.20
54.20	656.06	0.06	1331.57	0.53	22.08
54.30	656.06	0.06	1331.57	0.53	21.95
54.40	656.06	0.06	1331.57	0.53	21.83
54.50	656.06	0.06	1331.57	0.53	21.71
54.60	656.06	0.06	1331.57	0.53	21.59
54.70	656.06	0.06	1331.57	0.53	21.46
54.80	656.06	0.06	1331.57	0.53	21.35
54.90	656.06	0.06	1331.57	0.52	21.23
55.00	656.06	0.06	1331.57	0.52	21.11
55.10	656.06	0.06	1331.57	0.52	20.99
55.20	656.06	0.06	1331.57	0.52	20.87
55.30	656.06	0.06	1331.57	0.52	20.76
55.40	656.06	0.06	1331.57	0.52	20.65
55.50	656.06	0.06	1331.57	0.52	20.54
55.60	656.06	0.06	1331.57	0.51	20.42
55.70	656.06	0.06	1331.57	0.51	20.31
55.80	656.06	0.06	1331.57	0.51	20.20
55.90	656.06	0.06	1331.57	0.51	20.09
56.00	656.06	0.06	1331.57	0.51	19.98
56.10	656.06	0.06	1331.57	0.51	19.87
56.20	656.06	0.06	1331.57	0.51	19.76
56.30	656.06	0.06	1331.57	0.50	19.65
56.40	656.06	0.06	1331.57	0.50	19.55
56.50	656.06	0.06	1331.57	0.50	19.44
56.60	656.06	0.06	1331.57	0.50	19.34
56.70	656.06	0.06	1331.56	0.50	19.24
56.80	656.06	0.06	1331.56	0.50	19.14
56.90	656.06	0.06	1331.56	0.50	19.03
57.00	656.06	0.06	1331.56	0.49	18.94
57.10	656.06	0.06	1331.56	0.49	18.84
57.20	656.06	0.06	1331.56	0.49	18.74
57.30	656.06	0.06	1331.56	0.49	18.64
57.40	656.06	0.06	1331.56	0.49	18.55
57.50	656.06	0.06	1331.56	0.49	18.45
57.60	656.06	0.06	1331.56	0.49	18.36
57.70	656.06	0.06	1331.56	0.49	18.26
57.80	656.06	0.06	1331.56	0.48	18.16
57.90	656.06	0.06	1331.56	0.48	18.07
58.00	656.06	0.06	1331.56	0.48	17.97
58.10	656.06	0.06	1331.56	0.48	17.88
58.20	656.06	0.06	1331.56	0.48	17.79
58.30	656.06	0.06	1331.56	0.48	17.70
58.40	656.06	0.06	1331.56	0.48	17.61
58.50	656.06	0.06	1331.56	0.48	17.52

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58.60	656.06	0.06	1331.56	0.47	17.43
58.70	656.06	0.06	1331.56	0.47	17.34
58.80	656.06	0.06	1331.56	0.47	17.25
58.90	656.06	0.06	1331.56	0.47	17.17
59.00	656.06	0.06	1331.56	0.47	17.09
59.10	656.06	0.06	1331.56	0.47	17.00
59.20	656.06	0.06	1331.56	0.47	16.91
59.30	656.06	0.05	1331.56	0.47	16.83
59.40	656.06	0.05	1331.56	0.47	16.75
59.50	656.06	0.05	1331.56	0.46	16.67
59.60	656.06	0.05	1331.56	0.46	16.59
59.70	656.06	0.05	1331.56	0.46	16.51
59.80	656.06	0.05	1331.56	0.46	16.43
59.90	656.06	0.05	1331.56	0.46	16.35
60.00	656.06	0.05	1331.56	0.46	16.27