Aquatic Resources Delineation

Vega SES 2 and 3 Solar Projects

Imperial County, California

Prepared For:

Apex Energy Solutions, LLC.
604 Sutter Street
Suite 250
Folsom, California 95630

Submitted By:

ECORP Consulting, Inc.
3838 Camino Del Rio North
Suite 370
San Diego, California 92108
(858) 279-4040

February 2021, revised September 2022

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF ATTACHMENTS

LIST OF ACRONYMS AND ABBREVIATIONS

°F	Degrees Fahrenheit
APN	Assessor's Parcel Number
APT	Antecedent Precipitation Tool
BLM	Bureau of Land Management
CDFW	California Department of Fish and Wildlife
CFR	Code of Federal Regulations
CWA	Clean Water Act
FACW	Facultative wetland
Gen-tie	Generator inter-tie
GIS	Geographic Information System
GPS	Global Positioning System
MW	Megawatt
MWH	Megawatt hour
NOAA	National Oceanic and Atmospheric Administration
NRCS	Natural Resources Conservation Service
NWPR	Navigable Waters Protection Rule
OHWM	Ordinary high-water mark
ORM	OMBIL Regulatory Module
Projects	Vega SES 2 and SES 3 Solar Projects
RWQCB	Regional Water Quality Control Board
SAA	Streambed Alteration Agreement
Study Area	Solar Field, Gen-tie lines, and Substations
sUAS	Small unmanned aircraft system
SWQB	Surface Water Quality Bureau
SWRCB	State Water Resources Control Board
TNW	Traditional navigable waters
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency

LIST OF ACRONYMS AND ABBREVIATIONS

USGS	U.S. Geological Survey
WDR	Waste discharge regulation

1.0 INTRODUCTION

This aquatic resources delineation report was prepared to describe the aquatic resources at the Vega SES 2 and SES 3 Solar Projects (Projects) in Imperial County, California. The proposed Projects are 100-Megawatt (MW) direct current and 400 MW-hour (MWH) battery storage utility-scale solar projects located on approximately 1,712 acres of vacant land on three parcels in Imperial County, California (Assessor Parcel Numbers [APNs] 025-260-011, 025-010-006, and 025-270-023). As depicted on the U.S. Geological Survey (USGS) 7.5-minute "Iris, California" topographic quadrangle (USGS 1992), the Projects are located within Sections 3, 4, 7, 8, 9, 10, 14, 15, 16, 17, and 18 of Township 11 South, Range 15 East, San Bernardino Base and Meridian.

For the purposes of this report, the Vega 2 and 3 Projects were divided into three Study Areas. The term *Study Area* refers to the Project footprint plus a 500-foot buffer. The term *Impact Area* refers to the areas proposed to be directly affected by implementation of the Projects and corresponds to the client-supplied Project impact boundary. A complete summary of geographic information for each Study Area is provided in Table 1.

The original areas surveyed in 2020 included a larger footprint. The Project Impact Areas were refined in 2022. Therefore, the original 2020 Study Area, including features mapped and sample points collected outside of the updated Impact Areas are shown on the figures to provide context. However, this report is intended to provide information to support USACE review and verification for features within the Impact Area only.

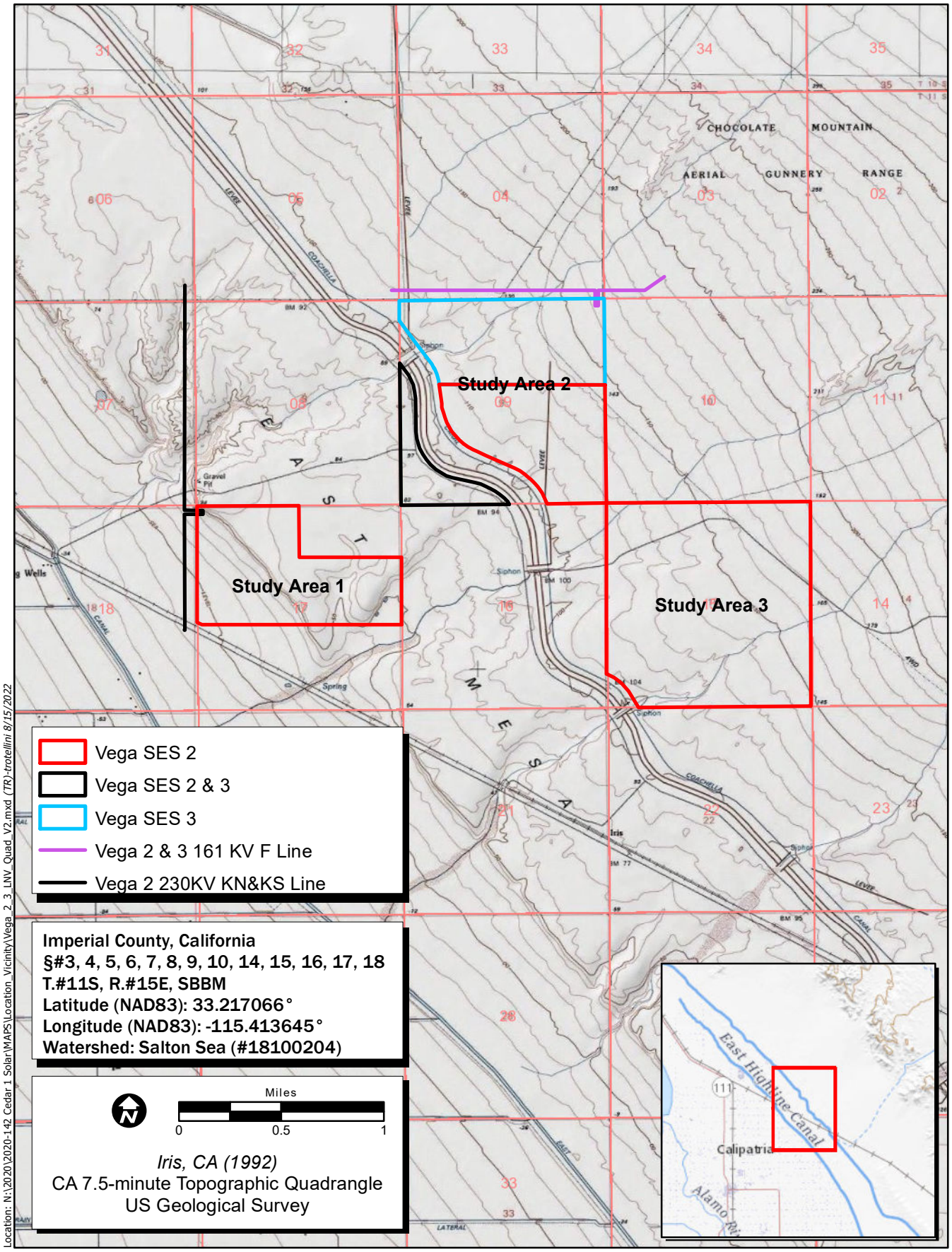
Table 1. Geographic Information Summary

Study Area	Project Name	Accessor's Parcel Number (APN)	Sections	Approximate Center of Study Area
1	SES 2	025-260-011	8, 16, 17	33.212810, -115.432084
2	SES 2 and 3	025-010-006	3, 4, 7, 8, 9, 10, 15, 16, 17, 18	33.224760, -115.414804
3	SES 2	025-270-023	10, 14, 15	33.211691, -115.395183

Study Area 1 includes a battery storage utility-scale solar project located on approximately 448 acres of vacant land within one private parcel in Imperial County.

Study Area 2, also known as the Mesa Grande parcel, includes a battery storage utility-scale solar project located on approximately 640 acres of vacant land within one private parcel in Imperial County. Study Area 3, also known as the Li Tong parcel, includes a battery storage utility-scale solar project located on approximately 624 acres of vacant land within one private parcel in Imperial County. The proposed Projects will connect to previously established Imperial Irrigation District generator intertie lines adjacent to Study Area 1 and 2.

All three Study Areas are approximately 10 miles east of the Salton Sea and four miles west of the Chocolate Mountains (Figure 1. *Project Location and Vicinity*). Driving directions to the Study Areas are included as Attachment A.



Location: N:\2020\2020-142 Cedar 1 Solar\MAPS\Location_Vicinity\Vega_2_3_LNV_Quad_V2.mxd (TR)-trotellini 8/15/2022

Map Date: 2/23/2021

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Figure 1. Project Location and Vicinity

2020-144/2020-199/2020-209 Vega SES 2 and Vega SES 3

This report describes aquatic resources identified within the Impact Areas that may be regulated by the Porter-Cologne Water Quality Act, California Fish and Game Code Sections 1600 and 1602, and the U.S. Army Corps of Engineers (USACE) pursuant to Sections 401 and 404 of the federal Clean Water Act (CWA). The information presented in this report provides data required by the USACE Los Angeles District's *Minimum Standards for Acceptance of Aquatic Resources Delineation Reports* (USACE 2016). The aquatic resource boundaries depicted in this report represent a calculated estimation of the potentially jurisdictional area within the Impact Areas and are subject to modification following a verification process by each regulating agency.

2.0 REGULATORY SETTING

2.1 Clean Water Act

The USACE regulates discharge of dredged or fill material into waters of the U.S. under Section 404 of the CWA. "Discharges of fill material" is defined as the addition of fill material into waters of the U.S., including, but not limited to, the following: placement of fill necessary for the construction of any structure, or impoundment requiring rock, sand, dirt, or other material for its construction; site-development fills for recreational, industrial, commercial, residential, and other uses; causeways or road fills; and fill for intake and outfall pipes, and subaqueous utility lines [33 CFR § 328.2(f)]. In addition, Section 401 of the CWA (33 U.S. Code 1341) requires any applicant for a federal license or permit to conduct any activity that may result in a discharge of a pollutant into waters of the U.S. to obtain a certification that the discharge will comply with the applicable effluent limitations and water quality standards.

Substantial impacts to wetlands, over 0.5 acre of impact, may require an individual permit. Projects that only minimally affect wetlands, less than 0.5 acre of impact, may meet the conditions of one of the existing Nationwide Permits. A RWQCB Water Quality Certification or waiver pursuant to Section 401 of the CWA is required for USACE Section 404 permit actions.

Pursuant to the USEPA and USACE memorandum regarding CWA jurisdiction, issued following the U.S. Supreme Court's decision in the consolidated cases Rapanos v. United States and Carabell v. United States (herein referred to as Rapanos), the agencies will assert jurisdiction over the following waters: "Traditional Navigable Waters" (TNW), all wetlands adjacent to TNWs, non-navigable tributaries of TNWs that are "relatively permanent" waters (RPW) (i.e., tributaries that typically flow year-round or have continuous flow at least seasonally), and wetlands that directly abut such tributaries (USEPA and USACE 2007).

Waters requiring a significant nexus determination by the USACE and USEPA to establish jurisdiction include non-navigable tributaries that are not relatively permanent, wetlands adjacent to non-navigable tributaries that are not relatively permanent, and wetlands adjacent to but do not directly abut a relatively permanent non-navigable tributary (USEPA and USACE 2007). The jurisdictional determination is a fact-based evaluation to establish whether a water has a significant nexus with a TNW. The significant nexus analysis will assess the flow characteristics and functions of the non-navigable tributary itself and the functions performed by all wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of downstream TNWs (USEPA and USACE 2007).

2.2 Porter-Cologne Water Quality Act

The Porter-Cologne Water Quality Control Act (hereafter referred to as Porter-Cologne Act) provides a framework to protect water quality in California. The Porter-Cologne Act was enacted in 1969 as Division 7 of the Water Code and is the primary water quality law in California. The Porter-Cologne Act addresses two primary functions: water quality control planning and waste discharge regulation (WDR). The State Legislature, in adopting the Porter-Cologne Act, directed that California's waters "shall be regulated to attain the highest water quality which is reasonable" and charges the Water Boards with protecting all waters of California, defined as "any surface water or groundwater, including saline waters, within the boundaries of the State." This encompasses all Waters of the State, including those not under federal jurisdiction.

The Porter-Cologne Act regulates discharges that could affect the quality of water of surface or ground waters, wherever those discharges may occur. Under the Porter-Cologne Act, the Water Board regulates actions that would involve "discharging waste, or proposing to discharge waste, with any region that could affect the water of the state" [Water Code 13260(a)]. Waters of the State are defined as "any surface water or groundwater, including saline waters, within the boundaries of the state" [Water Code 13050 (e)]. The Porter Cologne Act defines *Waters of the State* very broadly, with no physical descriptors, and no interstate commerce limitation.

The Porter-Cologne Act further requires that anyone who plans to discharge waste where it might affect Waters of the State must first notify the Water Boards. The Water Boards identify the sources of pollutants that threaten water quality under the Porter-Cologne Act and regulate waste discharges that could affect water quality by issuing WDRs. The State Water Resources Control Board (SWRCB) adopted the *State Wetland Definition and Procedures for Discharge of Dredged or Fill Material into Waters of the U.S.* in April 2019. The Water Board regulates all such activities, as well as dredging, filling, or discharging materials into Waters of the State, that are not regulated by USACE due to a lack of connectivity with a navigable water body. The Water Board may require issuance of a WDR for these activities. If a project impacts Waters of the State that do not fall under federal jurisdiction, the applicant need not obtain a section 404 permit or a 401 certification, but instead must receive approval from the Water Boards through the adoption of WDRs.

2.3 California Fish and Game Code Section 1602

Pursuant to Section 1602 of the California Fish and Game Code, a Streambed Alteration Agreement (SAA) application must be submitted for "any activity that may substantially divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake" (California Department of Fish and Wildlife [CDFW] 2020). In Title 14 of the California Code of Regulations, Section 1.72, the CDFW defines a *stream* (including creeks and rivers) as:

> "a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life. This includes watercourses having a surface or subsurface flow that supports or has supported riparian vegetation."

The CDFW's jurisdiction includes drainages with a definable bed, bank, or channel with the jurisdictional limit being the top-of-bank. It also includes areas that support intermittent, perennial, or subsurface flows; supports fish or other aquatic life; or supports riparian or hydrophytic vegetation. It also includes areas that have a hydrologic source.

The CDFW will determine if the proposed actions will result in diversion, obstruction, or change of the natural flow, bed, channel, or bank of any river, stream, or lake that supports fish or wildlife. The CDFW will submit an SAA that includes measures to protect affected fish and wildlife resources; this SAA is the final proposal agreed upon by the CDFW and the applicant.

A summary of federal, state, and local regulations and corresponding regulating agencies are summarized in Table 2.

Table 2. Summary of Federal, State, and Local Regulations

Regulation	Resource	Regulating Agency
Federal Regulations		
Federal Clean Water Act	Aquatic features meeting the definition of Waters of the US	USACE
State Regulations		
California Fish and Game Code Section 1602	River, stream, or lake and associated riparian habitat	CDFW
Porter-Cologne Water Quality Act	Aquatic features meeting the definition of Waters of the State	SWRCB/RWQCB

3.0 METHODS

3.1 Pre-Survey Investigation

Due to the size of the area and limited road access, an initial survey utilizing a small Unmanned Aircraft System (sUAS) was conducted to assess current site conditions and gather high-resolution imagery. The sUAS surveys were conducted on September 9, November 11, and November 17, 2020. Photos collected during the sUAS survey were then combined into a single orthomosaic image that was incorporated into mapping files in a Geographic Information System (GIS). Potential aquatic resources, specifically drainages, within the Impact Area were digitized prior to the field survey using the sUAS imagery. Prior to conducting the field delineations, the following resources were reviewed to identify potential aquatic resources: sUAS imagery, satellite aerial imagery (ESRI 2020; Google Earth 2015; U.S. Department of Agriculture [USDA] 2018), the National Wetlands Database, the online web soil survey (Natural Resources Conservation Service [NRCS] 2020a), and a hydric soils list for the area.

3.2 Field Survey Investigation

This aquatic resources delineation was conducted in accordance with the *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987), the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (USACE 2008a), *A Field Guide to the Identification of the*

Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States (USACE 2008b), the *Updated Datasheet for the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States* (USACE 2010), and the State of New Mexico's *Hydrology Protocol for the Determination of Ephemeral, Intermittent, and Perennial Waters* (Surface Water Quality Bureau [SWQB] 2010). Field data was recorded on Wetland Determination Data Forms - Arid West Region and Arid West OHWM Datasheets. ESRI© and sUAS aerial imagery were used to assist with mapping and ground-truthing. *Munsell Soil Color Charts* (Kollmorgen Instruments Co. 1990) and the Web Soil Survey (Natural Resources Conservation Service [NRCS] 2020a) were used to aid in identifying hydric soils in the field. The Jepson Manual, 2nd Edition (Baldwin et al. 2012) and the USACE National Wetland Plant List (USACE 2018) were used for plant nomenclature and identification.

Digitized feature boundaries identified during the pre-survey investigation were then verified in the field. Feature boundary modifications, if necessary, were made in the field using a post-processing capable global positioning system unit with sub-meter accuracy (EOS Arrow 100 GNSS). Where aquatic features were present, the extent of potential Waters of the U.S. and CDFW-regulated streambed and top-of-bank limits were determined using the OHWM in accordance with USACE requirements and guidelines, as well as SWRCB and CDFW delineation guidance. Streambed widths were based on evidence of OHWM as observed during the field survey, and streambed widths and other lateral limits of jurisdiction were calculated and recorded. Bank-to-bank width measures were also recorded and used as a measure of CDFW jurisdictional boundary where features lacked riparian vegetation. The extent of associated riparian habitat was based on the canopy of the riparian community within or directly adjacent to the streambed that is likely influenced by the hydrology of the streambed. In addition, stream conditions were assessed based on the SWQB protocol to classify features as ephemeral, intermittent, or perennial waters. A combination of hydrological, geomorphic and biological indicators was used to determine the hydrologic nature of each drainage. Each channel was also evaluated for the presence or absence of OHWM field indicators such as bed and bank, a natural line impressed in the bank, sediment deposits, changes in the character of soil, destruction of terrestrial vegetation, litter/debris, leaf litter disturbance, water stains, soil shelving, and exposed roots indicating active hydrology within the channel.

Due to the alluvial fan system within the Impact Areas, ephemeral channels identified during the pre-survey investigation were assessed in the field to determine if active hydrology occurred within the channel. Ephemeral features were assessed on a case-by-case basis and determined to be active or inactive based on the number of OHWM features present and the presence of riparian vegetation. In general, ephemeral features were considered active if the feature exhibited at least two OHWM indicators and supported riparian vegetation. These active ephemeral drainages were mapped upstream of existing riparian vegetation to the extent that two or more OHWM indicators were present. Whereas channels mapped during the pre-survey that only exhibited one OHWM indicator were classified as inactive erosional channels, or rills. Channels classified as active are those that are presumed to regularly transport water during rain events, and channels classified as inactive do not regularly transport water during rain events and are relic remains of large rain events.

The boundaries of the aquatic resources were delineated through standard field methods (e.g., paired sample set analyses) and aerial photograph interpretation. Paired locations were sampled to evaluate

whether the vegetation, hydrology, and soils data supported an aquatic resource determination. At each paired location, one point was located such that it was within the estimated aquatic resource area, and the other point was situated outside the limits of the estimated aquatic resource area. Additional non-paired locations were sampled to confirm boundaries. All aquatic features observed within the Study Areas were recorded in the field using a post-processing capable Global Positioning System (GPS) unit with sub-meter accuracy (e.g., Juniper Geode™). Feature characteristics and measurements were recorded directly into the data dictionary in the GPS unit. Characteristics of mapped features were also documented in photographs.

Two separate field survey efforts were conducted for the Project by ECORP delineation specialists in 2020 and 2021; the first being a general field reconnaissance of the Study Areas to identify areas supporting potential state and federal jurisdictional waters. The subsequent field surveys and formal delineations were conducted to verify preliminary results observed in the initial survey and to collect additional data and photographs. The Study Areas were visually surveyed to determine the location and extent of aquatic resources, and special attention was given to the features identified during the preliminary survey described above. The initial survey for Study Area 1 was conducted in conjunction with the biological reconnaissance survey on September 29-30, 2020, by Christina Congedo and Caroline Garcia; the subsequent survey was conducted on January 25, 2021, by Christina Congedo and Jessie Beckman. The initial survey for Study Area 2 was conducted in conjunction with the biological reconnaissance survey on November 9-10, 2020 by Greg Hampton and Christina Torres; the subsequent survey was conducted on January 25-27, 2021 by Greg Hampton, Jessie Beckman, and Christina Torres. The initial survey for Study Area 3 was conducted in conjunction with the biological reconnaissance survey on November 11-13, 2020, by Greg Hampton, Caroline Garcia, Jennifer Kendrick, and Christina Torres; the subsequent survey was conducted on January 26-27, 2021, by Christina Congedo, Christina Torres, and Jessie Beckman.

3.3 Post-Processing

The data collected in the field utilized ArcGIS™ Collector on a device (smartphone or tablet) connected to a submeter external receiver. The submeter receiver applies differential correction instantaneously in the field using the Satellite Based Augmentation System. The data were then viewed and analyzed for verification, edited, and compiled in GIS format at the time of download. ArcGIS™ software was used to develop the geodatabase and the shapefiles depicted on the figures included in this report.

4.0 RESULTS

4.1 Existing Site Conditions

Topography for the Study Areas generally consists of gentle slopes with a gradual increase in elevation from the western extent to the eastern extent. The southwest portion of Study Area 1 is slightly below sea level at an elevation of -2 meters (-7 feet), and the eastern extent of Study Area 3 is at an elevation of 55 meters (182 feet) above mean sea level in the Sonoran Desert Region of the Desert Province (Baldwin et. al. 2012). The average winter low temperature in the vicinity of the three Study Areas is 41.7 degrees Fahrenheit (˚F) and the average summer high temperature is 104.7˚F. Average annual precipitation for Imperial, California is approximately 2.90 inches, which falls as rain (National Oceanic and Atmospheric

Administration [NOAA] 2020a). During the 2019-2020 rain year prior to the field surveys, approximately 4.74 inches of precipitation were recorded at the Imperial, CA weather station located approximately 26 miles southwest of the Study Areas (NOAA 2020b). The most recent significant precipitation event prior to the surveys occurred April 8-11, 2020, with a total of 0.80 inch of rainfall accumulating over four days.

A typical year analysis of the Study Areas via a single point method was conducted using the USACE Antecedent Precipitation Tool (APT, USACE 2021). The APT is an automation tool that utilizes standardized methodology to calculate precipitation normalcy at a given location using publicly available data sources. The APT analysis determines whether precipitation, drought, and other climatic conditions from the previous three months are *wet*, *normal*, or *dry* for the geographic area based on a rolling 30-year period (USEPA 2021). The APT was run for the dates the wetland delineation data were collected between September 29, 2020 and January 27, 2021. The APT demonstrated the site conditions on these dates represent a time of year referenced as the dry season, that the general region and site were in a moderate to severe drought, and that site conditions were normal to drier than normal in climatic conditions.

Study Area 1 is primarily composed of undeveloped land. A railroad right-of-way borders the southwestern portion of the site, and an ephemeral drainage system flows southwest under the railroad via a concrete underpass. A ridgeline that runs northwest-southeast splits the Impact Area, with either side of the ridge descending into lowlands. There is a manmade berm on the north side of the railroad tracks that prevents flow from the western ridgeline from emptying into the ephemeral drainage to the east. The base of the southern side of the ridgeline appears to have been previously graded based on remnant machine tracks, flat terrain, and disconnected drainage features. The ephemeral drainage system (ED-3001) associated with Siphon Five runs northeast-southwest through the southeast corner of Study Area 1. A majority of ED-3001 is located outside of the Impact Area. The East Highline Canal is located approximately 1,070 feet southwest of the Impact Area. Study Area 1 is surrounded to the west by agricultural fields and undeveloped Bureau of Land Management (BLM) land to the north, east, and south.

Study Areas 2 and 3 are primarily composed of undeveloped land. Braided, ephemeral drainage systems associated with Siphon Five and Siphon Six run northeast-southwest through Study Area 2, and braided, ephemeral drainage systems associated with Siphon Four and Siphon Five run northeast-southwest through Study Area 3. An additional berm runs north-south within Study Area 2 and obstructs water flow from continuing southwest, eventually diverting flow into the Siphon Five system. The siphons allow the drainage systems to flow over the Coachella Canal and continue southwest of the Study Areas. The Coachella Canal bisects the western portion of Study Areas 2 and 3, and a manmade berm is situated along the entire east side of the canal. Unlined manmade retention basins are located directly west of and run parallel to the Coachella Canal, and a manmade berm lines the east side of the basins. The basins are enclosed on all sides and therefore have no connectivity to the canal or adjacent siphons. Study Areas 2 and 3 are surrounded by undeveloped BLM to the north, east, west, and south.

4.1.1 Vegetation Communities and Land Cover

The Project supports five vegetation communities: blue palo verde-ironwood (*Parkinsonia florida - Olneya tesota)* woodland, bush seepweed (*Suaeda nigra*) scrub, creosote bush

(*Larrea tridentata)* scrub, disturbed creosote bush scrub, and tamarisk (*Tamarix* spp.) thickets. One land cover type also occurs within the Impact Area: urban/developed.

Vegetation Communities within the Impact Area

Blue palo verde-ironwood woodland is characterized by blue palo verde or ironwood as a dominant or co-dominant plant species in the tree or tall shrub canopy that is open to continuous. Blue palo verde-ironwood woodland is present throughout large portions of the Impact Area for Study Areas 2 and 3. Other plant species observed within this community included creosote bush, cheesebush (*Ambrosia salsola*), and burrobush (*Ambrosia dumosa*).

Bush seepweed scrub is found on flat to gently sloping valley bottoms, bajadas, and toe slopes adjacent to alluvial fans. Bush seepweed scrub is dominated by bush seepweed, a USFWS Wetland Inventory OBL species (USACE 2018), and can be co-dominant with fourwing saltbush and/or alkali goldenbush (*Isocoma acradenia*). This community was only observed in Study Area 1. Bush seepweed dominated the shrub cover with occasional occurrences of fourwing saltbush and creosote bush.

Creosote bush scrub is dominated by a nearly monotypic stand of creosote bush with an open canopy and an herbaceous layer of seasonal annuals and perennials. This community was dominant in all three Study Areas. Other species that were observed within this community included burrobush, narrow-leaved cryptantha (*Cryptantha angustifolia*), and desert plantain (*Plantago ovata*).

Disturbed creosote bush scrub consists of creosote bush that are co-dominant in the shrub canopy with an absent to intermittent herbaceous layer of seasonal annuals. Within Study Areas 2 and 3, this vegetation cover is characterized as sparser with a high percentage of nonnative plant species including common Mediterranean grass (*Schismus barbatus*) and Saharan mustard (*Brassica tournefortii*). Other plant species observed within this community include desert plantain and fanleaf crinklemat (*Tiquilia plicata*).

Tamarisk thickets are characterized by a weedy monoculture of tamarisk. This habitat is typically in ditches, washes, rivers, arroyo margins, lake margins, and other watercourses. Within the Study Areas, tamarisk was often the dominant, with arrow weed (*Pluchea sericea*) occasionally as a co-dominant plant species. Other species observed within this community included popcorn flowers (*Cryptantha* spp.), screw bean mesquite (*Prosopis pubescens*), and Mediterranean grass.

Land Cover Types within the Impact Area

Urban/Developed areas do not constitute a vegetation classification, but rather a land cover type. Areas mapped as developed have been constructed upon or otherwise physically altered to an extent that natural vegetation communities are no longer supported. In the Impact Areas, this land cover consisted primarily of compacted dirt roads and structures. In Study Area 1, an area consisting of bare ground surrounding native scrub was classified as "urban/developed – dirt roads" as this area functioned as a vehicle turnaround.

4.1.2 Soils

A soils analysis search was conducted using the Web Soil Survey data (NRCS 2020a). The eastern portions of Study Areas 2 and 3 fall within the Colorado Desert Area soil survey; therefore, soil survey data was not available for these portions. According to the Web Soil Survey, 10 soil units, or types, have been mapped within the Study Areas (Figure 2. *Natural Resources Conservation Service Soil Types*). These include:

- 103 - Carsitas gravelly sand, 0 to 5 percent slopes
- 124 - Niland gravelly sand
- 125 - Niland gravelly sand, wet
- 129 – Pits
- 130 - Rositas sand, 0 to 2 percent slopes
- 132 - Rositas fine sand, 0 to 2 percent slopes
- 133 - Rositas fine sand, 2 to 9 percent slopes
- 135 - Rositas fine sand, wet, 0 to 2 percent slopes
- 139 - Superstition loamy fine sand
- 141 - Torriorthents and Orthids, 5 to 30 percent slopes

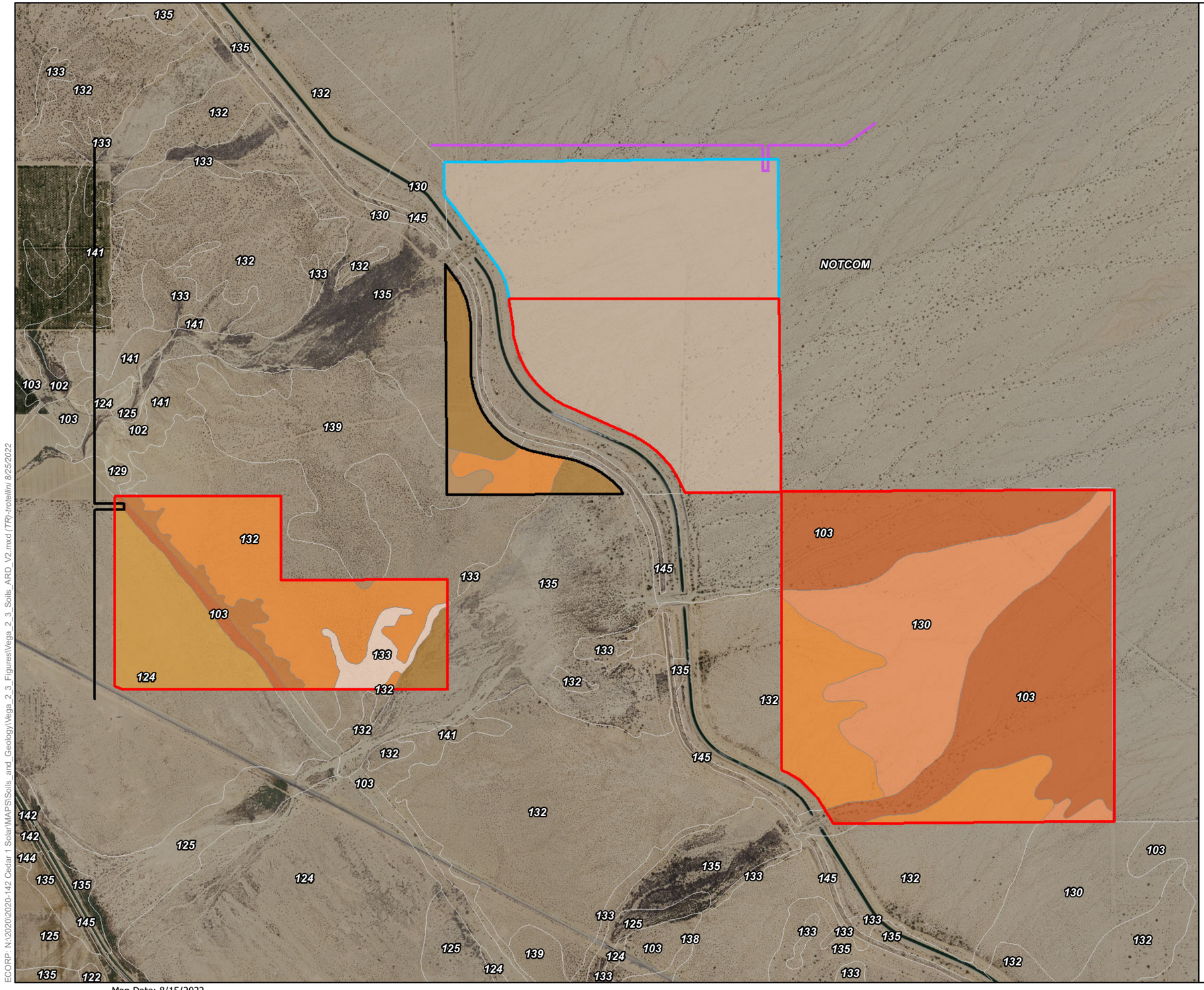
The Niland gravelly sand (124), Niland gravelly sand, wet (125), and Pits (129) map units contain hydric minor components (NRCS 2020b). Three water state classes (dry, moist, and wet) are used as soil moisture status entries for map unit components and designate a mean monthly soil water state at a specified depth. A summary of characteristics based on official series descriptions for each of the soil series mapped within the alignments are provided below (NRCS 2020c).

Carsitas Series

The Carsitas series consists of very deep, somewhat excessively drained soils that formed in alluvium from granitoid and/or gneissic rocks. The Carsitas soils are on alluvial fans, fan aprons, valley fills, dissected remnants of alluvial fans and in drainageways. Slopes range from 0 to 30 percent. The mean annual precipitation is about three inches and the mean annual air temperature is about 77°F.

Niland Series

The Niland series is a member of the sandy over clayey, mixed (calcareous), hyperthermic family of Typic Torrifluvents. These soils consist of well and moderately well-drained soils with slopes that formed in coarse mixed alluvium overlying fine alluvium at depths of less than 36 inches. Niland soils typically have stratified gravelly sand and sand overlying silty clay at a depth of 23 inches. Niland soils are on basin and floodplain edges and have slopes that are typically less than one percent, but can range up to five percent.



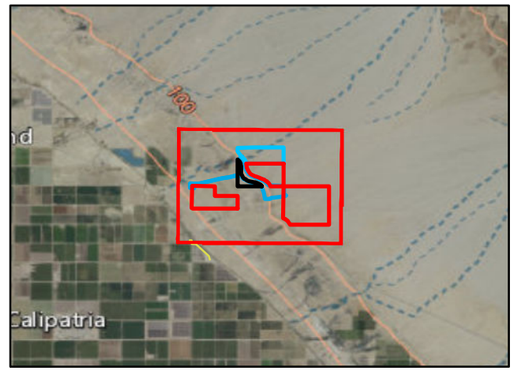
Map Features

- Vega SES 2
- Vega SES 2 & 3
- Vega SES 3
- Vega 2 & 3 161 KV F Line
- Vega 2 230KV KN&KS Line

Series Designation - Series Description

- 102 - Badland
- 103 - Carsitas gravelly sand, 0 to 5 percent slopes
- 124 - Niland gravelly sand
- 125 - Niland gravelly sand, wet
- 129 - Pits
- 130 - Rositas sand, 0 to 2 percent slopes
- 132 - Rositas fine sand, 0 to 2 percent slopes
- 133 - Rositas fine sand, 2 to 9 percent slopes
- 135 - Rositas fine sand, wet, 0 to 2 percent slopes
- 139 - Superstition loamy fine sand
- 141 - Torriorthents and Orthids, 5 to 30 percent slopes
- 145 - Water
- NOTCOM - No Digital Data Available

Sources: NAIP (2018)
Other Related Info if Needed



ECORP: N:\2020\2020-142 Cedar 1 Solar\MAPS\Soils_and_Geology\Vega_2_3_Figures\Vega_2_3_Soils_ARD_V2.mxd (TR) -trofellini 8/25/2022

Map Date: 8/15/2022

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Scale in Feet
0 500 1,000 1,500

Figure 2. Natural Resources Conservation Service Soil Types
2020-144/2020-199/2020-209 Vega SES 2 and Vega Ses 3

Rositas Series

The Rositas series is a member of the mixed, hyperthermic family of Typic Torripsamments. These soils consist of very deep, somewhat excessively drained soils. These soils are formed in sandy eolian material and have less than 15 percent coarse and very coarse sand. Rositas soils are on dunes and sand sheets and have slopes that range from 0 to 30 percent. The mean annual precipitation is about four inches and the mean annual air temperature is about 72°F.

Superstition Series

The Superstition series consists of very deep, somewhat excessively drained soils with very low to low runoff and rapid permeability. Superstition soils have slopes of 0 to 10 percent; they are formed in sandy eolian deposits and exist on dunes. The mean annual precipitation is about three inches and the mean annual air temperature is about 74°F.

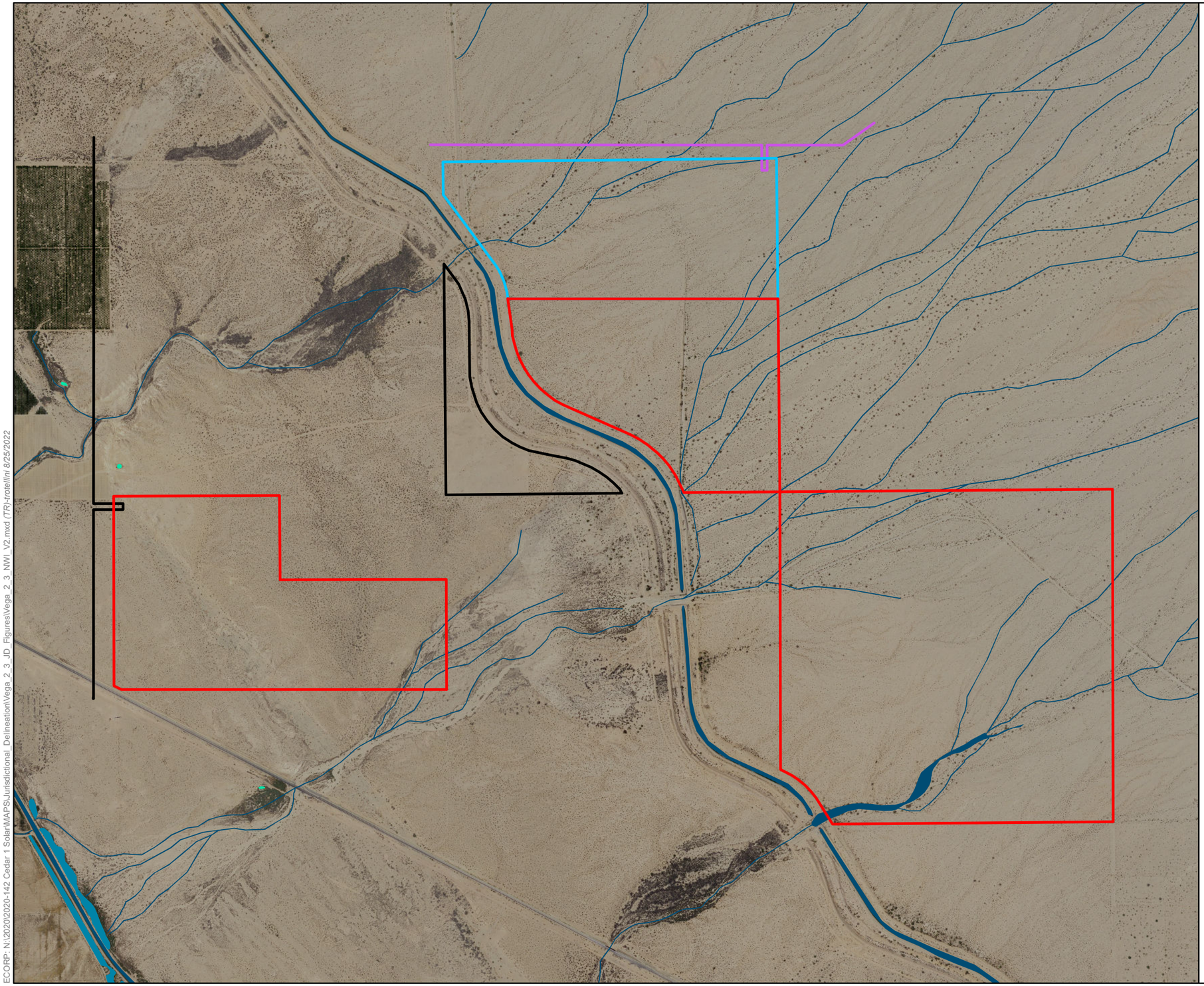
4.1.3 National Wetland Inventory

According to the National Wetland Inventory (USFWS 2020a), there are several Riverine features mapped within the Impact Areas (Figure 3. *National Wetland Inventory*).

4.1.4 Hydrology

All three Study Areas are within the Salton Sea Watershed (Hydrologic Unit Code #18100204, NRCS et al. 2016). The Study Areas and Chocolate Mountains are part of an alluvial fan drainage system. Alluvial fans occur when stream flow feeds into a system of distributary channels. Infrequent yet intense rainfall causes sheetflood across the fan surface, in which sediment-laden water overflows from the confines of its channel and eventually results in gravel deposits that have the appearance of a network of braided channels (Blatt et. al 1980). A number of these braided channels are fluid in nature and are relic scars that do not actively transport water during rain events. These relic channels would therefore be considered inactive, whereas channels that actively transport water during rain events would be considered active. The alluvial fan drainage system produces ephemeral conditions within the Study Areas following large rain events and contains a network of inactive and active braided channels. In addition, this interconnected drainage system has associated riparian corridors that occur throughout all three Study Areas.

Within the Study Areas, the alluvial fan system directs surface flow from the Chocolate Mountains through the Study Areas to the southwest. Surface flow eventually feeds into the ephemeral drainage features associated with Siphon Four, Siphon Five, and Siphon Six. The siphons direct flow over the Coachella Canal and eventually under the railroad right-of-way in Study Area 1 before ultimately draining into the East Highline Canal and/or associated wetlands. Both the Coachella Canal and East Highline Canal divert water from the All American Canal, which brings water from the Colorado River at the Imperial Dam. The Coachella Canal supplies water to the Coachella Valley north of the Salton Sea, and eventually drains into a manmade storage reservoir known as Lake Cahuilla. Lake Cahuilla is not traditional navigable waters (TNW) per Section 404 of the CWA. The East Highline Canal supplies water to the Imperial Valley via



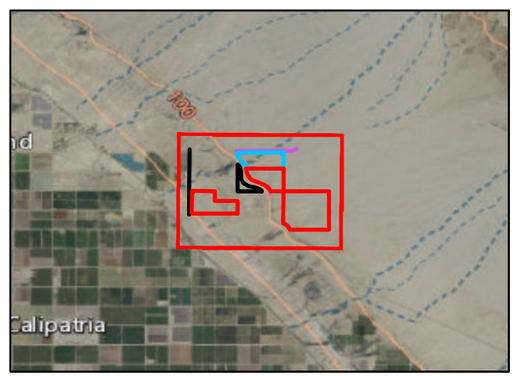
Map Features

- Vega SES 2
- Vega SES 2 & 3
- Vega SES 3
- Vega 2 & 3 161 KV F Line
- Vega 2 230KV KN&KS Line

NWI Feature Type

- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine

Sources: NAIP (2018)
Other Related Info if Needed



ECORP: N:\20202020-142 Cedar 1 Solar\MAPS\Jurisdictional_Delineation\Vega_2_3_JD_Figures\Vega_2_3_NWI_V2.mxd (TR)-trotellini 8/25/2022

Map Date: 8/15/2022

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Scale in Feet
0 500 1,000 1,500

Figure 3. National Wetland Inventory

2020-144/2020-199/2020-209 Vega SES 2 and Vega Ses 3

smaller lateral canals and drains that ultimately drain to the Salton Sea. The Salton Sea is TNW per Section 404 of the CWA.

4.2 Aquatic Resources

Aquatic resources have been mapped within the Impact Areas; each resource is summarized by feature in Attachment B and depicted on Figure 4. *Aquatic Resources Delineation*. The regulated limits that are presented in Attachment B serve as an estimate and are subject to agency verification. Features identified as an aquatic resource had wetland indicators present and/or physical evidence of flow including OHWM, presence of riparian vegetation or direct surface connection into features with riparian vegetation, defined bed and bank, scour, presence of a clear and natural line impressed on the bank, disturbance of leaf litter, the presence or absence of sediment deposits, changes in the character of soil, destruction of terrestrial vegetation, and/or exposed roots indicating active hydrology within the channel.

Contiguous riparian habitat associated with nearby aquatic features was mapped, and the associated aquatic feature was also recorded. There were periodic mesquite and blue palo verde individuals scattered across Survey Areas 2 and 3. They were not mapped during this effort as they were part of contiguous riparian habitat. OHWM and Wetland Determination Data Forms are included as Attachment C, representative site photographs are included as Attachment D, the USACE OMBIL Regulatory Module (ORM) aquatic resources table is included as Attachment E, and digital data are provided as Attachment F.

4.2.1 Wetlands

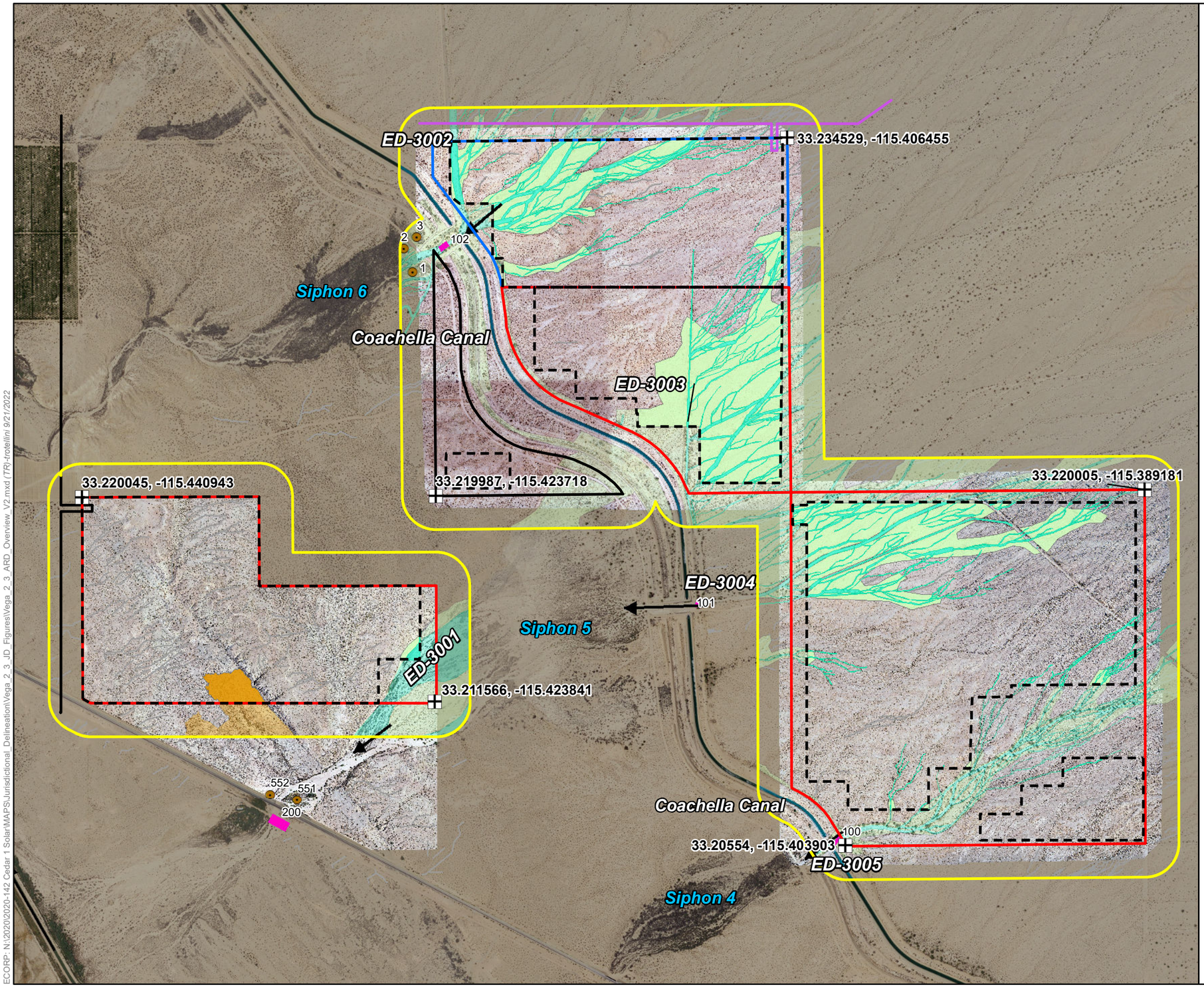
No wetlands were delineated within the Impact Areas.

4.2.2 Other Aquatic Resources (Non-Wetland Waters)

Ephemeral Drainage

Ephemeral drainages are linear features that exhibit a bed and bank and an OHWM. These features typically convey runoff for short periods of time, during and immediately following rain events, and are not influenced by groundwater sources at any time during the year. As previously described, the Impact Areas and adjacent upslope areas are within an alluvial fan drainage system that produces ephemeral conditions with surface waters flowing in direct response to large rain events for short durations. Drainages determined to be active transport surface flow water from the direction of the Chocolate Mountains to the southwest and have connectivity to downstream ephemeral drainages within the Impact Areas. These ephemeral drainages follow the riparian vegetation within the landscape as discussed in Section 4.2.4.

Some of the ephemeral drainages are associated with the Siphons: Siphon 4 (ED-3005), Siphon 5 (ED-3001, ED-3003, ED-3004), and Siphon 6 (ED-3002). These features are documented by OHWM Transects 100, 101, 102, and 200 (Attachment C). These features contained no surface flow at the time of the field assessment and had sparse vegetation within the bed. The OHWM was delineated in the field primarily by changes in sediment texture, vegetation, a natural scour line, bank erosion, and the presence of litter and



Map Features

- Vega SES 2
- Vega SES 2 & 3
- Vega SES 3
- 2020 Survey Area
- Impact Area
- Vega 2 & 3 161 KV F Line Vega 2
- 230KV KN&KS Line
- Reference Point
- Flow to TNW
- OHWM Cross Section

Sampling Points

- Other
- Upland Point
- Waters Point

CDFW-Regulated Habitat

- Riparian Habitat
- Alkali Sink

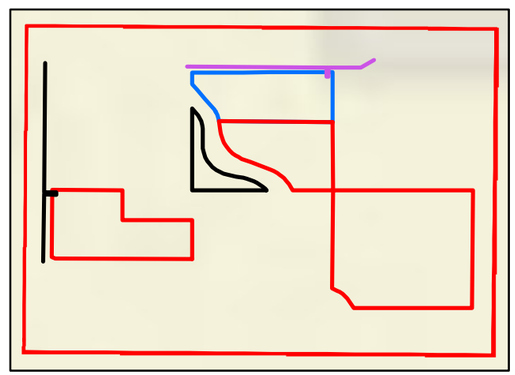
Aquatic Resources

- Ephemeral Drainage *
- Canal

*Ephemeral drainage features within the buffer are displayed to show connectivity; therefore not all features that exist within the buffer are displayed in the figure.

Sources: NAIP (2018), ECORP Dreone Imagery (2020)

Other Related Info if Needed



ECORP: N:\2020\2020-142 Cedar 1 Solar\MAPS\Jurisdictional_Delineation\Vega_2_3_JD_Figures\Vega_2_3_ARD_Overview_V2.mxd (TR)-trotellini 9/21/2022

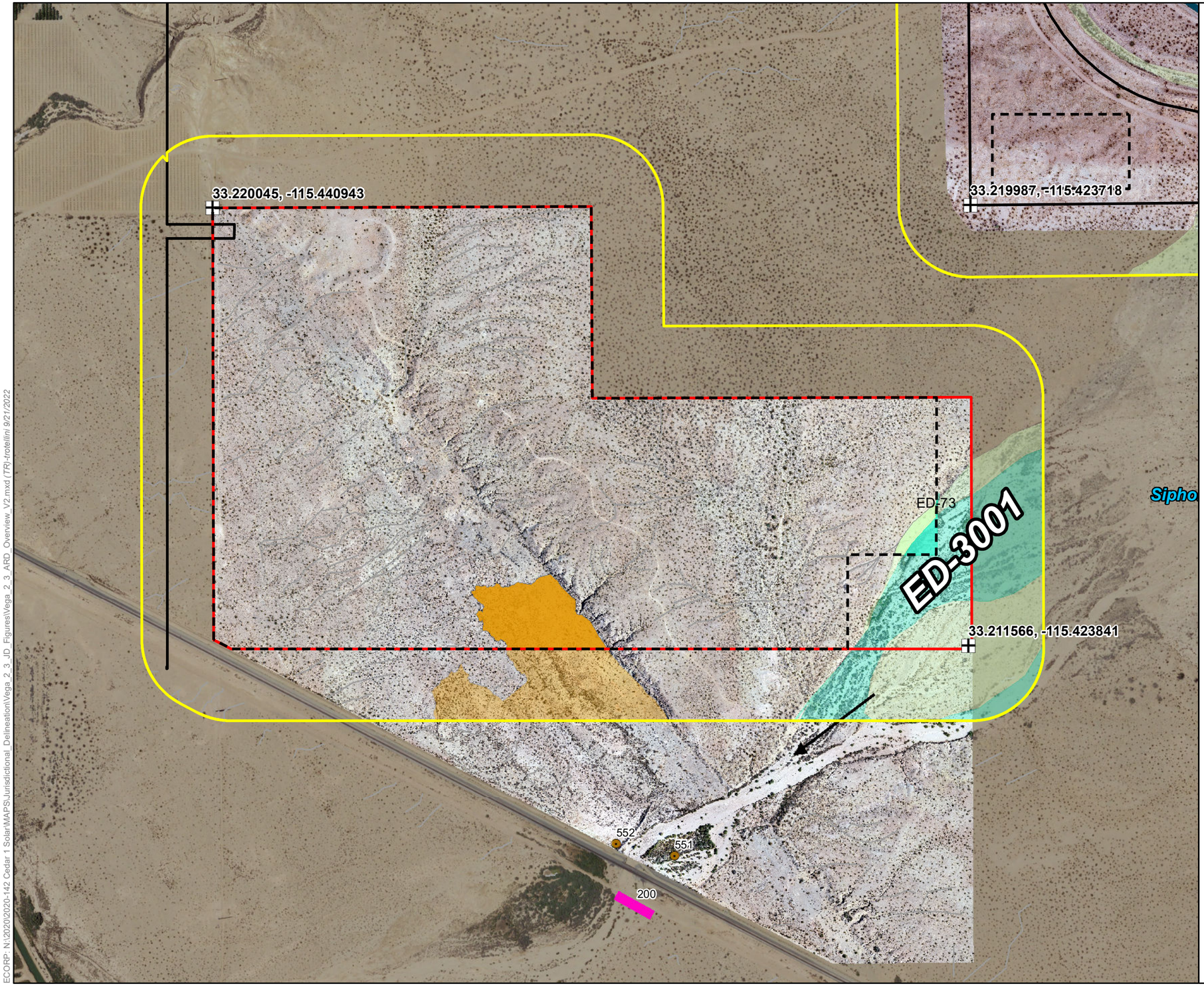
Map Date: 9/21/2022

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Scale in Feet
0 750 1,500

Figure 4. Aquatic Resources Delineation Overview

2020-144/2020-199/2020-209 Vega SES 2 and Vega Ses 3



Map Features

- Vega SES 2
- Vega SES 2 & 3
- Vega SES 3
- 2020 Survey Area
- Impact Area
- Vega 2 & 3 161 KV F Line
- Vega 2 230KV KN&KS Line
- Reference Point
- Flow to TNW
- OHWM Cross Section

Sampling Points

- Other
- Upland Point
- Waters Point

CDFW-Regulated Habitat

- Riparian Habitat
- Alkali Sink

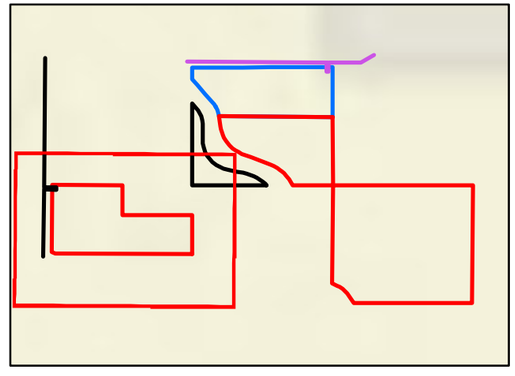
Aquatic Resources

- Ephemeral Drainage *

*Ephemeral drainage features within the buffer are displayed to show connectivity; therefore not all features that exist within the buffer are displayed in the figure.

Sources: NAIP (2018), ECORP Dreone Imagery (2020)

Other Related Info if Needed



ECORP- N:\2020\2020-142 Cedar 1 Solar\MAPS\Junsdictional_Delineation\Vega_2_3_JD_Figures\Vega_2_3_ARD_Overview_V2.mxd (TR)-trotellini 9/21/2022

Map Date: 9/21/2022

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Scale in Feet
0 350 700

Figure 4. Aquatic Resources Delineation
Study Area 1
2020-144/2020-199/2020-209 Vega SES 2 and Vega Ses 3

ED-3002

ED-3003

Coachella Canal

33.234529, -115.406455

33.219987, -115.423718

102

1

2

3

ED-289 ED-570 ED-983 ED-446 ED-721 ED-15 ED-1028 ED-921 ED-317 ED-709 ED-84 ED-928 ED-1236 ED-47 ED-1247 ED-864 ED-63 ED-1125 ED-150 ED-1153 ED-1193 ED-967 ED-1052 ED-115 ED-364 ED-328 ED-608 ED-851 ED-848 ED-775 ED-901 ED-642 ED-714 ED-155 ED-684 ED-1163 ED-617 ED-450 ED-917 ED-1082 ED-113 ED-471 ED-780 ED-940 ED-688 ED-701 ED-151 ED-1054 ED-902 ED-941 ED-1275 ED-892 ED-270 ED-880 ED-576 ED-233 ED-248 ED-212 ED-542 ED-920 ED-244 ED-915 ED-426 ED-433 ED-316 ED-198 ED-137 ED-745 ED-60 ED-1235 ED-34 ED-717 ED-810 ED-309 ED-145 ED-885 ED-287 ED-872 ED-798 ED-658 ED-105 ED-513 ED-973 ED-1121 ED-502 ED-822 ED-485 ED-1240 ED-556 ED-64 ED-805 ED-948 ED-779 ED-761 ED-713 ED-970 ED-1009 ED-314 ED-1176 ED-1053 ED-895 ED-240 ED-500 ED-784 ED-1118 ED-331 ED-1271 ED-18 ED-383 ED-419 ED-40 ED-957 ED-208 ED-977 ED-1137 ED-1175 ED-985 ED-125 ED-831 ED-1080 ED-656 ED-49 ED-1252 ED-960 ED-192 ED-850 ED-766 ED-305 ED-755 ED-473 ED-532 ED-1063 ED-604 ED-677 ED-360 ED-1100 ED-307 ED-230 ED-396 ED-400 ED-1253 ED-44 ED-173 ED-37 ED-161 ED-565 ED-824 ED-323 ED-1004 ED-1228 ED-507 ED-789 ED-1096 ED-79 ED-1091 ED-1185 ED-537 ED-1201 ED-412 ED-934 ED-566 ED-1152 ED-1172

Map Features

- Vega SES 2
- Vega SES 2 & 3
- Vega SES 3
- 2020 Survey Area
- Impact Area
- Vega 2 & 3 161 KV F Line
- Vega 2 230KV KN&KS Line
- Reference Point
- Flow to TNW
- OHWM Cross Section

Sampling Points

- Other
- Upland Point
- Waters Point

CDFW-Regulated Habitat

- Riparian Habitat

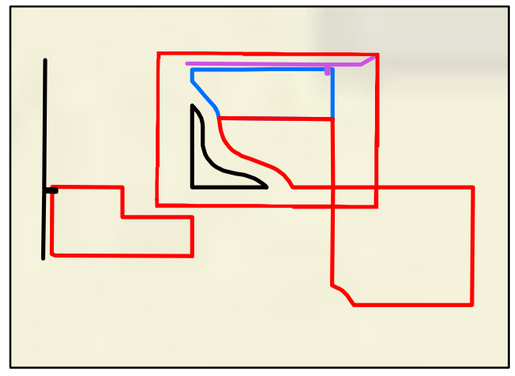
Aquatic Resources

- Ephemeral Drainage *
- Canal

*Ephemeral drainage features within the buffer are displayed to show connectivity; therefore not all features that exist within the buffer are displayed in the figure.

Sources: NAIP (2018), ECORP Dreone Imagery (2020)

Other Related Info if Needed



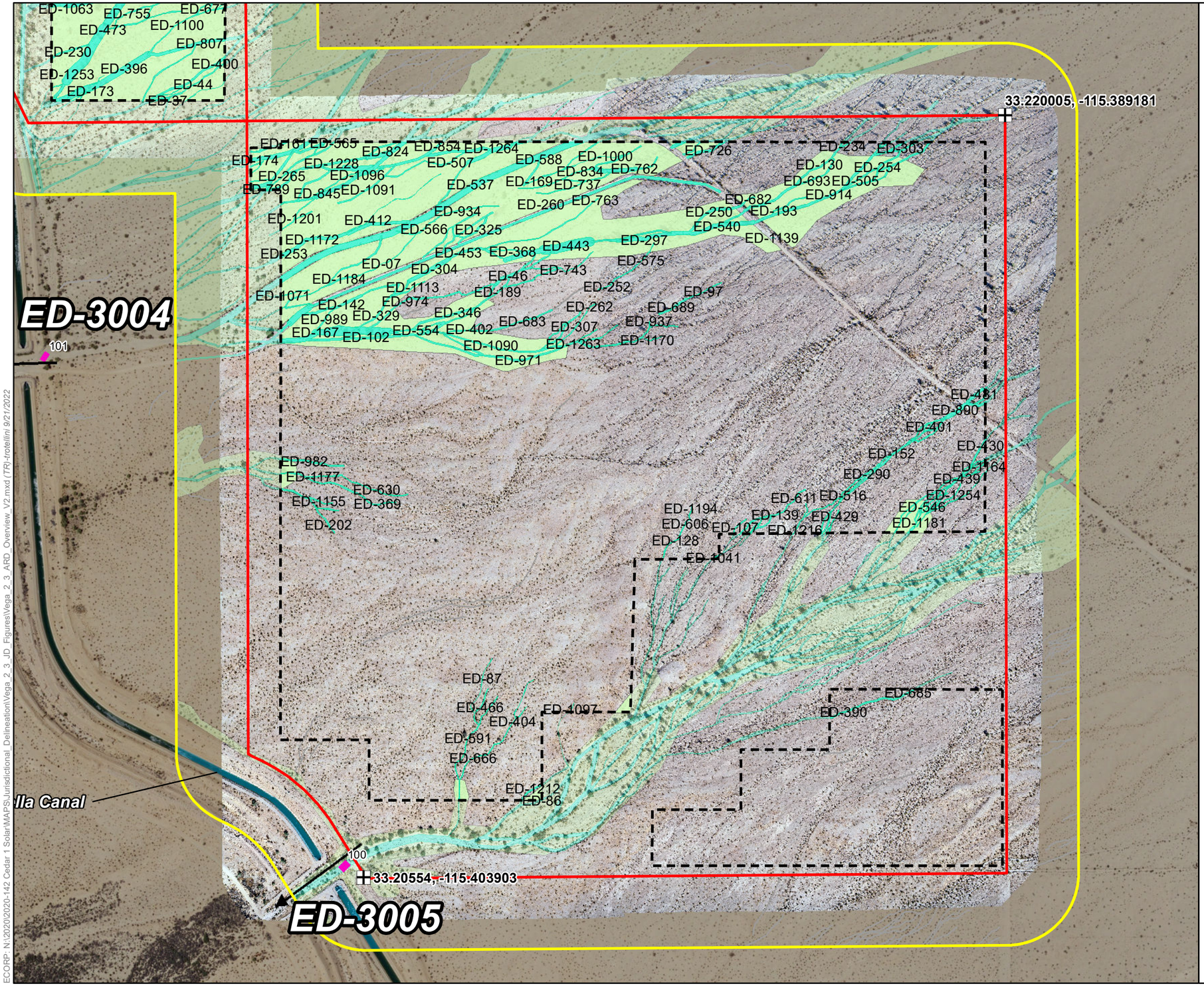
ECORP- N:\2020\2020-142 Cedar 1 Solar\MAPS\Jurisdictional_Delineation\Vega_2_3_JD_Figures\Vega_2_3_ARD_Overview_V2.mxd (TR)-trotellini 9/21/2022

Map Date: 9/21/2022

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Scale in Feet
0 350 700

Figure 4. Aquatic Resources Delineation
Study Area 2
2020-144/2020-199/2020-209 Vega SES 2 and Vega Ses 3



ECORP: N:\2020\2020-142 Cedar 1 Solar\MAPS\Jurisdictional_Delineation\Vega_2_3_JD_Figures\Vega_2_3_ARD_Overview_V2.mxd (TR)-trotellini 9/21/2022

Map Features

- Vega SES 2
- Vega SES 2 & 3
- Vega SES 3
- 2020 Survey Area
- Impact Area
- Vega 2 & 3 161 KV F Line
- Vega 2 230KV KN&KS Line
- Reference Point
- Flow to TNW
- OHWM Cross Section

Sampling Points

- Other
- Upland Point
- Waters Point

CDFW-Regulated Habitat

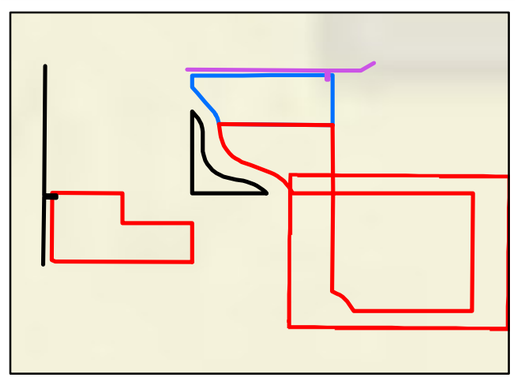
- Riparian Habitat

Aquatic Resources

- Ephemeral Drainage *
- Canal

*Ephemeral drainage features within the buffer are displayed to show connectivity; therefore not all features that exist within the buffer are displayed in the figure.

Sources: NAIP (2018), ECORP Dreone Imagery (2020)
Other Related Info if Needed



Map Date: 9/21/2022

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Scale in Feet
0 350 700

Figure 4. Aquatic Resources Delineation
Study Area 3
2020-144/2020-199/2020-209 Vega SES 2 and Vega Ses 3

debris. These ephemeral drainage systems divert surface flow from the direction of the Chocolate Mountains to the southwest, bypassing the Coachella Canal and railroad right-of-way and ultimately connecting to the East Highline Canal and/or associated wetlands. The East Highline Canal supplies water to the Imperial Valley via smaller lateral canals and drains that ultimately drain to the Salton Sea. At the time of the field delineation in 2020, these OHWM Transects were located inside the Project limits, as previously provided by the Applicant. The Impact Area limits were revised in 2022 and these OHWM Transects were no longer located within the revised Impact Area. However, these OHWM Transect data sheets have been included in this report because the field conditions documented are representative of the ephemeral drainages mapped within the revised Impact Area limits.

4.2.3 Manmade Features

Canal

The Coachella Canal is adjacent to and outside of the Impact Areas of Study Area 2 and 3. This concrete-lined canal is used for the purpose of year-round water transport throughout the Coachella Valley. It is maintained by the Coachella Valley Water District to be free of vegetation for water conveyance efficiency and ultimately flows into the Lake Cahuilla storage reservoir. Lake Cahuilla is an artificial soil-cement-lined temporal reservoir that is not connected to TNW.

4.2.4 Potential CDFW Regulated Habitats

The following describes vegetation communities or habitat features that could be regulated by CDFW but are not expected to be regulated by the USACE under Section 404 of the CWA because they do not appear to meet the current definition of waters of the U.S.

Alkali Sink

Alkali sinks are composed of poorly drained soils with high salinity and/or alkalinity from evaporation of water that accumulates in closed drainages. These sinks are often seasonally inundated and lose water through evaporation. Alkali sink habitat occurs within the southern portion of the Impact Area of Study Area 1.

Sampling Point 552 was collected within the alkali sink habitat south of Study Area 1. At the time of the aquatic resource delineation in 2020, this sampling point was inside the Impact Area limits. The Impact Area was revised in 2022 and it now no longer includes the location of Sampling Point 552. However, alkali sink habitat is still present within the revised Impact Area and is subject to direct impacts. Sampling Point 552 is representative of the alkali sink habitat of the Study Area as a whole. Plant species observed included bush seepweed. The soil matrix color at a depth of 0 to 4 inches was 7.5YR 4/4 with no redox features; at a depth of 4 to 7 inches the soil matrix color was 7.5YR 5/4 with no redox features; and at a depth of 7 to 10 inches the soil matrix color was 7.5YR 4/4 with 3 percent redox features colored 5YR 5/8. Hydric soil indicators were determined to be absent at this sampling point. Wetland hydrology indicators observed included the surface soil cracks (B6) primary indicator.

Riparian Habitat

Riparian habitat associated with the drainage systems throughout the Impact Areas consists of blue palo verde-ironwood woodland and tamarisk thickets. Blue palo verde-ironwood woodland is characterized by blue palo verde or ironwood as a dominant or co-dominant plant species in the tree or tall shrub canopy that is open to continuous. Tamarisk thickets are characterized by a weedy, monoculture of tamarisk. This habitat is typically in ditches, washes, rivers, arroyo margins, lake margins, and other watercourses. There were scattered riparian trees associated with ephemeral drainages within the creosote scrub habitat due to the alluvial nature of the sites.

A total of three sampling points were collected within the riparian habitat in the northwestern portion of Study Area 2 and included Sampling Points 1, 2, and 3. At the time of the aquatic resource delineation in 2020, these sampling points were inside the Impact Area limits. The Impact Area was revised in 2022 and it now no longer includes the location of these Sampling Points. However, riparian habitat is still present within the revised Impact Area and is subject to direct impacts. Therefore, the data from Sampling Points 1, 2, and 3 have been included in this report because the field conditions documented are representative of the riparian habitat found within the revised Impact Area. Plant species observed within the riparian habitat at all three points included tamarisk, common Mediterranean grass, and narrow leaved cryptantha. Hydric soil and wetland hydrology indicators were determined to be absent at all but Sampling Point 1, which met the drift deposits (B3) primary indicator.

Sampling Point 551 was collected within the riparian habitat associated with ED-3001 south of Study Area 1. At the time of the aquatic resource delineation in 2020, this sampling point was inside the Project limits. The Impact Area was revised in 2022 and it now no longer includes the location of Sampling Point 551. Sampling Point 551 is representative of the riparian habitat of the Study Area as a whole. Plant species observed included tamarisk and bush seepweed. The soil matrix color at a depth of 0 to 6 inches was 10YR 5/4 with no redox features; and at a depth of 6 to 8 inches the soil matrix color was 10YR 5/4 with 3 percent gley features colored 2.5/N. Hydric soil indicators were determined to be absent at this sampling point. Wetland hydrology indicators observed included the surface soil cracks (B6) primary indicator and the sediment deposits (B2), drift deposits (B3), and drainage patterns (B10) secondary indicators.

5.0 JURISDICTIONAL ASSESSMENT

Aquatic resources that are potentially regulated under the CWA, the Porter-Cologne Act, and California Fish and Game Code Section 1602 are summarized below. These results are subject to modification following agency verification.

5.1 Clean Water Act

Per Regulatory Guidance Letter 16-01, an applicant may request a PJD "in order to move ahead expeditiously to obtain a Corps permit authorization where the requestor determin*es that it is in his or her best interest to do so … even where initial indications are that the aquatic resources on a parcel may not be jurisdictional*" (USACE 2016b). The following information on connectivity of wetlands and other waters in the Survey Area to TNW is provided should an Approved Jurisdictional Determination (AJD) be necessary.

The ephemeral drainages within the Impact Area are tributary to the Salton Sea, which is a TNW. Under the current definition of waters of the U.S., the *Rapanos* guidance, the ephemeral drainages onsite would be considered non-navigable tributaries that are not relatively permanent. In which, case, a significant nexus evaluation of the ephemeral drainages would be necessary to determine jurisdiction if seeking an AJD.

5.2 Porter-Cologne Water Quality Control Act

The following categories meet the definition of Waters of the State and are regulated pursuant to the Porter-Cologne Act. The Porter-Cologne Act defines Waters of the State as "any surface water or groundwater, including saline waters, within the boundaries of the state" [Water Code 13050 (e)]. The Porter Cologne Act defines "Waters of the State" very broadly, with no physical descriptors, and no interstate commerce limitation. The categories are:

- Ephemeral Drainages

The remaining features are excluded from the definition of Waters of the State pursuant to current guidance from the SWRCB. Impacts to features that fall under the definition of Waters of the State would trigger the need for permits through the WDR process.

5.3 California Fish and Game Code Section 1600-1602

The following categories meet the criteria for resources that are regulated under section 1600 of the California Fish and Game Code. This includes all resources with surface or subsurface flow, and a body of water that "flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life." Areas with associated riparian vegetation that is supported by the surface and subsurface flow through these streambeds are also added to CDFW's jurisdiction under 1600. The categories are:

- Ephemeral Drainages
- Riparian Habitat
- Alkali Sinks

The remaining features are excluded from Section 1600-1602 pursuant to current guidance from CDFW. Impacts to features that fall under the definition of streambed and associated riparian habitat would trigger the need for Streambed Alteration Notification and the Project may need to enter into formal Agreements with CDFW.

6.0 REFERENCES

Baldwin, B. G., D.H Goldman, D.J. Keil, R. Patterson, T.J. Rosatti, and D.H. Wilken, editors. 2012. *The Jepson Manual; Vascular Plants of California, Second Edition*. University of California Press, Berkeley, California. 1,519 pp. + app.

Blatt H., Middleton G. V., Murray R. C., 1980. *Origin of sedimentary rocks, 2nd ed*. Prentice-Hall, Englewood Cliffs, 631 pp.

CDFW. 2020. Environmental Review and Permitting. Available online: https://wildlife.ca.gov/Conservation/Environmental-Review. Accessed September 16, 2020.

Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1. U. S. Army Engineer Waterways Experiment Station. Vicksburg, Mississippi.

ESRI. "Topographic" [base map]. Scale Not Given. "World Imagery". Accessed November 30, 2020. https://ecorpmapping.maps.arcgis.com/home/item.html?id=0563aff34bdf4e0caa51bba3c69817d9.

Google Earth. 2015. https://www.google.com/maps/@34.6457,-116.99432,30433m/data=!3m1!1e3. Dated March 20, 2015.

Kollmorgen Instruments Company. 1990. Munsell Soil Color Charts. Kollmorgen Corporation. Baltimore, Maryland.

NOAA. 2020a. NCDC 1981-2010 Climate Normals for Imperial, California. Available Online: https://www.ncdc.noaa.gov/cdo-web/datatools/normals. Accessed November 23, 2020.

_____. 2020b. Climate Date Online: Daily Precipitation Summaries for Imperial, California. Available Online: https://www.ncdc.noaa.gov/cdo-web/search. Accessed November 23, 2020.

NRCS. 2020a. Soil Survey Geographic Database. Available Online: https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx. Accessed September 16, 2020.

_____. 2020b. Soil Data Access Hydric Soils List. Available at https://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/. Accessed November 13, 2020.

_____. 2020c. Official Soil Series Descriptions. Available at https://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/. Accessed September 16, 2020.

NRCS, USGS, USEPA. 2016. Watershed Boundary Dataset for California. http://datagateway.nrcs.usda.gov.

SWQB. 2010. Hydrology Protocol for the Determination of Ephemeral, Intermittent, and Perennial Waters. State of New Mexico Water Quality Management Plan & Continuing Planning Process. Dated October 23, 2020.

USACE. 2021. The Antecedent Precipitation Tool. Available Online: https://github.com/jDeters-USACE/Antecedent-Precipitation-Tool/releases/tag/v1.0.13. Accessed February 9, 2021.

_____. 2018. National Wetland Plant List, version 3.4. USACE Engineer Research and Development Center. Cold Regions Research and Engineering Laboratory, Hanover, NH. Available online: http://wetland-plants.usace.army.mil/

_____. 2016. Minimum Standards for Acceptance of Aquatic Resources Delineation Reports. Dated January 2016. Sacramento District.

_____. 2010. Updated Datasheet for the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States. K.E. Curtis and R.W Lichvar. ERDC/CRREL TN-10-1. Hanover, NH: U.S. Army Engineer Research and Development Center.

_____. 2008a. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region. Ed. J.S. Wakeley, R.W. Lichvar, and C.V. Noble. ERDC/EL TR-06-16. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

_____. 2008b. A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States. R. W. Lichvar and S. M McColley. ERDC/CRREL TR-08-12. Hanover, NH: U.S. Army Engineer Research and Development Center.

USDA. 2018. The Farm Service Agency: National Agriculture Imagery Program. Accessed November 2020.

USEPA. 2021. Navigable Waters Protection Rule: The Antecedent Precipitation Tool (APT). Dated January 21, 2021.

USFWS. 2020a. National Wetlands Inventory. Accessible online: https://www.fws.gov/wetlands/

_____. 2020b. National Wetlands Inventory: Wetland Classification Codes. Accessible online: https://www.fws.gov/wetlands/Data/Wetland-Codes.html

USGS. 1992. "Iris, California" 7.5-minute Quadrangle. Geological Survey. Denver, Colorado.

LIST OF ATTACHMENTS

ATTACHMENT A

Driving Directions to the Study Area

Google Maps San Diego, CA to Calipatria, CA (33.220933, -115.440940) Drive 146 miles, 2 hr 20 min

San Diego

San Diego, CA 92108

Take I-8 E to CA-78 E in Imperial County

1 hr 51 min (125 mi)

1. Head east on I-8 E

9.8 mi

2. Keep left to stay on I-8 E

101 mi

3. Take exit 118B for CA-111 N toward Brawley

0.2 mi

4. Continue onto CA-111 N

14.4 mi

Follow CA-78 E, CA-115 N and Wiest Rd to Flowing Wells Rd

29 min (20.7 mi)

5. Turn right onto CA-78 E

3.1 mi

6. Turn left onto CA-115 N

10.3 mi

7. Turn right onto Wiest Rd

5.7 mi

8. Continue onto Weist Rd

0.5 mi

9. Turn left to stay on Weist Rd

0.3 mi

10. Turn right onto Noffsinger Rd

135 ft

11. Turn left onto Weist Rd

299 ft

12. Turn right onto Flowing Wells Rd

Destination will be on the right

0.8 mi

33.220933, -115.440940

1101-1175 Flowing Wells Rd, Calipatria, CA 92233

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

ATTACHMENT B

Aquatic Resources within the Project Impact Areas

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-3001	R6	33.21068479, -115.42657864	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.761	197.039	300	9.014
ED-3002	R6	33.23209453, -115.42095459	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	6.404	6957.086	90	55.408
ED-3003	R6	33.2239284, -115.41138649	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.921	2625.091	20	126.726
ED-3004[5]	R6	33.21570012, -115.41058806	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	N/A	N/A	N/A	46.665
ED-3005[5]	R6	33.2082725, -115.39774861	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	N/A	N/A	N/A	1.935
ED-02	R6	33.23296261, -115.41577415	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.092	97.329	40	N/A
ED-03	R6	33.21946702, -115.40611243	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.002	11.138	8	N/A
ED-07	R6	33.21738955, -115.40319783	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.047	506.125	4	N/A
ED-15	R6	33.23404969, -115.41195268	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.225	639.673	15	N/A
ED-16	R6	33.2331326, -115.41424492	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.062	172.362	15	N/A
ED-18	R6	33.22573947, -115.40827081	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.053	375.613	6	N/A
ED-20	R6	33.23293777, -115.41733943	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	216.802	5	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-22	R6	33.23122452, -115.41658744	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.0055	117.512	2	N/A
ED-25	R6	33.21929067, -115.39668177	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.380	574.459	30	N/A
ED-28	R6	33.23112609, -115.41927782	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.006	247.341	1	N/A
ED-32	R6	33.21222482, -115.39510645	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.012	53.774	9	N/A
ED-34	R6	33.22964229, -115.40702573	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.012	265.092	2	N/A
ED-37	R6	33.22016266, -115.40833876	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.005	24.904	6	N/A
ED-40	R6	33.22480534, -115.41081603	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.114	482.009	10	N/A
ED-41	R6	33.21478555, -115.38967864	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.007	28.677	10	N/A
ED-44	R6	33.22083808, -115.40750889	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.119	571.605	9	N/A
ED-45	R6	33.21319291, -115.39016463	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.022	89.676	10	N/A
ED-46	R6	33.2169882, -115.40056944	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.084	173.632	20	N/A
ED-47	R6	33.2335412, -115.41883457	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.016	227.864	3	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-49	R6	33.2235069, -115.40897534	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.050	352.559	6	N/A
ED-60	R6	33.23013521, -115.41513576	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.077	472.775	7	N/A
ED-61	R6	33.21482134, -115.38955099	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.028	112.529	10	N/A
ED-63	R6	33.23394408, -115.41367106	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.043	183.667	10	N/A
ED-64	R6	33.22686025, -115.40941772	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	763.281	2	N/A
ED-68	R6	33.22553014, -115.40953001	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.006	81.954	3	N/A
ED-73	R6	33.21427455, -115.42455028	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.024	98.902	10	N/A
ED-74	R6	33.23078385, -115.41928227	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.024	202.181	5	N/A
ED-75	R6	33.23451303, -115.40708376	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.002	18.354	3	N/A
ED-76	R6	33.21767352, -115.4020727	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.059	312.784	8	N/A
ED-79	R6	33.2187328, -115.4018099	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.100	423.075	10	N/A
ED-81	R6	33.21599118, -115.40361445	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.318	263.113	50	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-84	R6	33.23385571, -115.4204747	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.004	175.026	1	N/A
ED-85	R6	33.21604257, -115.39699721	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.019	204.987	4	N/A
ED-86	R6	33.20703737, -115.39984438	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	16.647	10	N/A
ED-87	R6	33.20918838, -115.4012214	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	431.057	2	N/A
ED-89	R6	33.23443728, -115.41572912	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.037	111.775	15	N/A
ED-94	R6	33.21225561, -115.39471511	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.024	143.293	7	N/A
ED-95	R6	33.21910964, -115.40387004	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.165	226.825	30	N/A
ED-97	R6	33.21670002, -115.39607173	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	270.836	4	N/A
ED-100	R6	33.21290258, -115.39061847	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	107.738	6	N/A
ED-101	R6	33.21607967, -115.40210628	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.058	145.462	15	N/A
ED-102	R6	33.2158706, -115.40345272	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.096	342.436	12	N/A
ED-105	R6	33.22855355, -115.40743905	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.444	470.088	40	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-107	R6	33.21225796, -115.39528812	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.017	95.754	7	N/A
ED-113	R6	33.23244031, -115.41037491	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.032	338.790	4	N/A
ED-115	R6	33.23350753, -115.41489818	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.753	644.688	50	N/A
ED-125	R6	33.22403551, -115.40703382	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.088	257.342	15	N/A
ED-124	R6	33.23321453, -115.41760717	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.000	6.316	50	N/A
ED-128	R6	33.2117248, -115.39693349	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.037	316.126	5	N/A
ED-130	R6	33.21928522, -115.39318101	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.126	453.273	12	N/A
ED-137	R6	33.23026618, -115.4208946	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.061	254.070	10	N/A
ED-139	R6	33.21243329, -115.39442618	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.009	53.611	7	N/A
ED-140	R6	33.2271996, -115.40838369	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.029	307.127	4	N/A
ED-142	R6	33.21645224, -115.40455225	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.164	455.284	15	N/A
ED-144	R6	33.22970483, -115.40828105	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.005	107.967	2	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-145	R6	33.22900378, -115.40830172	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.053	457.312	5	N/A
ED-146	R6	33.22766263, -115.40849572	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.007	95.891	3	N/A
ED-150	R6	33.23409624, -115.40714207	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.045	389.582	5	N/A
ED-151	R6	33.23178466, -115.42130152	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	119.249	7	N/A
ED-152	R6	33.2136404, -115.39166265	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.029	121.143	10	N/A
ED-155	R6	33.23293565, -115.41045004	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.044	320.151	6	N/A
ED-157	R6	33.23269218, -115.41776498	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.218	447.117	20	N/A
ED-158	R6	33.23393532, -115.4133222	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	164.248	5	N/A
ED-160	R6	33.23163526, -115.41542086	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	66.509	2	N/A
ED-161	R6	33.21950501, -115.40593977	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.030	137.728	8	N/A
ED-163	R6	33.2158751, -115.39873938	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	161.053	4	N/A
ED-164	R6	33.21394515, -115.39125961	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.038	232.515	7	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-167	R6	33.21598858, -115.40440854	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.396	299.492	40	N/A
ED-168	R6	33.23292949, -115.41548751	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.006	120.806	2	N/A
ED-169	R6	33.21894757, -115.39956587	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.072	389.461	8	N/A
ED-170	R6	33.2232665, -115.40719179	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.038	226.906	7	N/A
ED-171	R6	33.23359053, -115.41631714	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.016	169.166	4	N/A
ED-173	R6	33.22044013, -115.41035656	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.049	504.710	4	N/A
ED-174	R6	33.21937788, -115.40589825	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.243	389.061	25	N/A
ED-178	R6	33.23361942, -115.41286686	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.028	166.324	7	N/A
ED-185	R6	33.21390314, -115.38961991	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.007	21.466	10	N/A
ED-186	R6	33.23084118, -115.41979985	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	126.191	5	N/A
ED-187	R6	33.21292867, -115.40409178	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.034	180.774	8	N/A
ED-189	R6	33.21669254, -115.40083181	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.077	321.786	10	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-192	R6	33.22318187, -115.4068546	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.158	124.625	50	N/A
ED-193	R6	33.21834209, -115.39414056	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.054	283.929	8	N/A
ED-195	R6	33.22759267, -115.40987781	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.007	320.856	1	N/A
ED-198	R6	33.23019757, -115.40770158	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.072	208.718	15	N/A
ED-201	R6	33.22920752, -115.40792848	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.030	80.527	15	N/A
ED-202	R6	33.2124755, -115.40479601	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.042	298.271	6	N/A
ED-204	R6	33.22561288, -115.40876071	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.005	202.654	1	N/A
ED-207	R6	33.22849304, -115.40826701	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.057	493.023	5	N/A
ED-208	R6	33.22508136, -115.40903133	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.572	1655.130	15	N/A
ED-211	R6	33.22738534, -115.40807818	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	126.937	5	N/A
ED-212	R6	33.23113226, -115.41902106	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.133	715.282	8	N/A
ED-214	R6	33.2163067, -115.40527782	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.188	185.567	40	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-215	R6	33.2124975, -115.39109023	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.011	93.845	5	N/A
ED-219	R6	33.21235878, -115.39478676	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.034	179.471	8	N/A
ED-221	R6	33.21347311, -115.39197531	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.016	106.891	6	N/A
ED-222	R6	33.23066349, -115.40658211	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.000	0.947	15	N/A
ED-223	R6	33.22581936, -115.40976981	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	302.052	5	N/A
ED-226	R6	33.22671006, -115.40987441	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	354.570	1	N/A
ED-227	R6	33.21937915, -115.39110525	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.048	198.505	10	N/A
ED-228	R6	33.21777478, -115.40163268	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.006	60.902	4	N/A
ED-229	R6	33.22337983, -115.4101718	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.012	172.120	3	N/A
ED-230	R6	33.22128416, -115.41069794	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.072	298.782	10	N/A
ED-233	R6	33.23128522, -115.41276926	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.029	310.840	4	N/A
ED-234	R6	33.21964424, -115.39251601	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	77.308	8	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-237	R6	33.22883018, -115.40686254	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.016	171.330	4	N/A
ED-238	R6	33.21244235, -115.39144406	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.021	175.086	5	N/A
ED-240	R6	33.22647391, -115.40678156	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.014	198.054	3	N/A
ED-242	R6	33.22913498, -115.40727541	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.138	187.654	30	N/A
ED-244	R6	33.23062958, -115.41550807	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	302.305	5	N/A
ED-248	R6	33.23131523, -115.4075313	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.026	552.100	2	N/A
ED-250	R6	33.2181379, -115.39589365	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.150	429.257	15	N/A
ED-251	R6	33.23172613, -115.41768759	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.021	139.283	6	N/A
ED-252	R6	33.21685331, -115.39821666	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.017	182.368	4	N/A
ED-253	R6	33.21751703, -115.40549715	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.125	200.605	25	N/A
ED-254	R6	33.21892587, -115.39221536	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.127	548.890	10	N/A
ED-256	R6	33.21570041, -115.39811313	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.034	202.796	7	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-260	R6	33.21790925, -115.40041399	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	1.052	3029.445	15	N/A
ED-262	R6	33.21643241, -115.39862666	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.011	69.640	6	N/A
ED-265	R6	33.21892072, -115.40563739	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.056	296.797	8	N/A
ED-268	R6	33.22319686, -115.40816533	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.115	225.942	20	N/A
ED-269	R6	33.21209362, -115.3952571	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.011	64.956	7	N/A
ED-270	R6	33.23166781, -115.4164782	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.137	381.338	15	N/A
ED-271	R6	33.22278753, -115.41082669	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.028	138.780	8	N/A
ED-274	R6	33.23031918, -115.40716035	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.097	157.479	25	N/A
ED-276	R6	33.22975406, -115.40821334	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.021	175.197	5	N/A
ED-278	R6	33.21219184, -115.39496062	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	176.372	5	N/A
ED-283	R6	33.22938161, -115.40800311	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.006	127.653	2	N/A
ED-286	R6	33.21402496, -115.39090548	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	88.802	7	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-287	R6	33.22915027, -115.4198217	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.059	514.377	5	N/A
ED-289	R6	33.23449166, -115.42092556	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.002	2.286	10	N/A
ED-290	R6	33.21327883, -115.39225669	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	116.064	9	N/A
ED-294	R6	33.23359458, -115.41849041	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.000	0.113	50	N/A
ED-297	R6	33.2177463, -115.39727719	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.287	487.312	25	N/A
ED-303	R6	33.21935943, -115.39173153	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.069	295.416	10	N/A
ED-304	R6	33.21714592, -115.40230027	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.198	329.800	25	N/A
ED-305	R6	33.22307354, -115.40956716	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	1.017	1104.062	30	N/A
ED-306	R6	33.21240875, -115.39147968	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.056	410.974	6	N/A
ED-307	R6	33.21600089, -115.39906018	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.038	320.309	5	N/A
ED-309	R6	33.2295793, -115.40699242	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	111.359	3	N/A
ED-313	R6	33.22680128, -115.40941029	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.004	86.505	2	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-314	R6	33.22649266, -115.40697029	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.022	309.600	3	N/A
ED-316	R6	33.23037684, -115.41431684	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.005	71.000	3	N/A
ED-322	R6	33.22534831, -115.41013683	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.007	102.533	3	N/A
ED-323	R6	33.21940372, -115.40161248	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.166	464.172	15	N/A
ED-325	R6	33.21787877, -115.40128957	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.080	280.286	12	N/A
ED-327	R6	33.2132268, -115.39018748	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.013	140.382	4	N/A
ED-328	R6	33.23348727, -115.41273712	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.090	261.766	14	N/A
ED-329	R6	33.21630728, -115.40354956	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.085	363.428	10	N/A
ED-331	R6	33.22594479, -115.41079161	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.338	377.991	40	N/A
ED-346	R6	33.21624527, -115.40200691	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.129	466.762	12	N/A
ED-352	R6	33.21735651, -115.39995182	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.017	97.397	7	N/A
ED-354	R6	33.22509481, -115.41017365	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.022	467.985	2	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-360	R6	33.22186211, -115.40917166	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	164.882	9	N/A
ED-363	R6	33.21197237, -115.39157088	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.021	49.153	15	N/A
ED-364	R6	33.23350544, -115.41380937	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.050	424.521	5	N/A
ED-368	R6	33.21751031, -115.40053921	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.034	241.888	6	N/A
ED-369	R6	33.2127104, -115.4034897	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.034	236.898	6	N/A
ED-371	R6	33.23005738, -115.40754204	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.060	168.797	15	N/A
ED-379	R6	33.21843911, -115.39455265	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.145	411.973	15	N/A
ED-383	R6	33.22524619, -115.40992429	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.011	231.591	2	N/A
ED-390	R6	33.20875572, -115.39252009	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.124	592.211	9	N/A
ED-394	R6	33.23264009, -115.41569525	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.030	211.849	6	N/A
ED-395	R6	33.23160712, -115.41882764	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.002	96.959	1	N/A
ED-396	R6	33.22079602, -115.40977849	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.669	764.850	40	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-398	R6	33.22027534, -115.41110516	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.010	38.228	10	N/A
ED-400	R6	33.22041859, -115.40894971	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.171	610.860	12	N/A
ED-401	R6	33.21405076, -115.39098197	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.051	316.919	7	N/A
ED-402	R6	33.21605707, -115.40128443	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.005	103.416	2	N/A
ED-404	R6	33.20849641, -115.40046305	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.026	275.572	4	N/A
ED-405	R6	33.22965565, -115.40665678	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	44.354	3	N/A
ED-406	R6	33.23194043, -115.41747453	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	42.534	3	N/A
ED-408	R6	33.21399857, -115.39088075	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.045	280.823	7	N/A
ED-411	R6	33.21955666, -115.4002461	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.028	63.376	12	N/A
ED-412	R6	33.21842842, -115.4030915	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.054	781.275	3	N/A
ED-415	R6	33.22735112, -115.40904823	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.061	326.491	8	N/A
ED-419	R6	33.22560498, -115.40854689	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	329.881	1	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-420	R6	33.2327383, -115.40759803	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	215.075	4	N/A
ED-422	R6	33.23085413, -115.41934588	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.004	187.393	1	N/A
ED-424	R6	33.21807972, -115.39541938	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.055	191.034	12	N/A
ED-426	R6	33.23040491, -115.40692629	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	167.382	5	N/A
ED-427	R6	33.20872573, -115.40106761	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.023	242.275	4	N/A
ED-428	R6	33.2296259, -115.40755651	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.023	198.249	5	N/A
ED-429	R6	33.21223197, -115.39322523	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.023	190.364	5	N/A
ED-430	R6	33.21356398, -115.3898884	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.033	172.572	8	N/A
ED-432	R6	33.21378005, -115.39137505	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.016	100.043	7	N/A
ED-433	R6	33.23046687, -115.41544832	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.049	297.601	7	N/A
ED-435	R6	33.21850246, -115.4052222	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.062	221.553	12	N/A
ED-437	R6	33.23264355, -115.41102226	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	107.471	3	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-439	R6	33.21297391, -115.39062199	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.036	216.748	7	N/A
ED-440	R6	33.21196807, -115.39516845	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	24.001	4	N/A
ED-441	R6	33.21557725, -115.40001417	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.036	151.665	10	N/A
ED-443	R6	33.21758204, -115.3991817	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.526	351.147	60	N/A
ED-446	R6	33.23425722, -115.41553996	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.037	269.613	6	N/A
ED-448	R6	33.22738698, -115.40683387	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.010	141.177	3	N/A
ED-450	R6	33.23269162, -115.4174553	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.054	578.203	4	N/A
ED-451	R6	33.23218648, -115.41812277	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	327.573	1	N/A
ED-453	R6	33.21748839, -115.40135622	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.114	314.558	15	N/A
ED-466	R6	33.20878370, -115.40123181	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.028	296.794	4	N/A
ED-471	R6	33.23248041, -115.42047828	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.052	756.235	3	N/A
ED-472	R6	33.21296092, -115.38995081	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.017	179.364	4	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-473	R6	33.22288082, -115.40869738	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	1.155	992.787	30	N/A
ED-475	R6	33.22599469, -115.41021811	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.117	218.786	20	N/A
ED-478	R6	33.22663457, -115.40926043	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.004	170.550	1	N/A
ED-479	R6	33.23433642, -115.41563842	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.031	131.352	10	N/A
ED-481	R6	33.21465851, -115.38995131	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.071	158.079	20	N/A
ED-483	R6	33.23309806, -115.40966148	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	214.862	4	N/A
ED-485	R6	33.2277435, -115.40664272	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.002	21.896	3	N/A
ED-491	R6	33.22566134, -115.4090268	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.017	368.661	2	N/A
ED-492	R6	33.22778809, -115.4079126	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.045	188.133	10	N/A
ED-494	R6	33.21635316, -115.4058554	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	31.763	4	N/A
ED-500	R6	33.22590363, -115.41046037	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.052	206.593	10	N/A
ED-502	R6	33.22762953, -115.40959469	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.066	711.570	4	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-504	R6	33.23179837, -115.4187545	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.011	158.555	3	N/A
ED-505	R6	33.21881975, -115.39254268	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.071	305.251	10	N/A
ED-507	R6	33.21914145, -115.40237719	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.100	614.755	7	N/A
ED-510	R6	33.23102745, -115.41947769	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.005	219.311	1	N/A
ED-513	R6	33.22784029, -115.40847199	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.062	530.845	5	N/A
ED-516	R6	33.21310239, -115.39242347	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.115	495.318	10	N/A
ED-518	R6	33.21886626, -115.39869295	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.066	351.776	8	N/A
ED-519	R6	33.21199259, -115.39343098	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.001	2.555	7	N/A
ED-524	R6	33.23161556, -115.41837808	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.083	288.688	12	N/A
ED-528	R6	33.21299936, -115.40574765	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	146.312	10	N/A
ED-530	R6	33.21800336, -115.40129588	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.074	311.739	10	N/A
ED-532	R6	33.22253579, -115.40690528	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	210.236	7	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-533	R6	33.23434739, -115.41678089	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	140.959	10	N/A
ED-535	R6	33.23257897, -115.41131506	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	88.473	1.5	N/A
ED-537	R6	33.21843666, -115.40191123	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	2.087	2333.797	40	N/A
ED-538	R6	33.2286758, -115.40803511	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	440.584	2	N/A
ED-540	R6	33.21791934, -115.39571849	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.296	498.662	25	N/A
ED-542	R6	33.23109496, -115.41743899	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	263.752	4	N/A
ED-544	R6	33.21595540, -115.39930731	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.073	387.942	8	N/A
ED-546	R6	33.21251012, -115.39108518	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.043	311.160	6	N/A
ED-548	R6	33.22597917, -115.40765017	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.013	184.849	3	N/A
ED-554	R6	33.21599674, -115.40268053	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.065	280.731	10	N/A
ED-556	R6	33.22735396, -115.40719019	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.030	426.352	3	N/A
ED-557	R6	33.21334225, -115.38989648	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.013	108.890	5	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-559	R6	33.2207062, -115.41006806	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	315.131	2	N/A
ED-560	R6	33.21958517, -115.39124311	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.031	135.736	10	N/A
ED-563	R6	33.22696045, -115.40782212	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.016	339.319	2	N/A
ED-565	R6	33.21939440, -115.40488684	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.097	412.205	10	N/A
ED-568	R6	33.22627707, -115.40779931	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.048	202.226	10	N/A
ED-570	R6	33.23436599, -115.41792708	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.012	101.915	5	N/A
ED-572	R6	33.23404775, -115.42174133	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.006	129.960	2	N/A
ED-575	R6	33.21727227, -115.39754322	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.032	339.051	4	N/A
ED-576	R6	33.23143911, -115.41706544	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.022	228.083	4	N/A
ED-578	R6	33.23155331, -115.41212903	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	132.855	8	N/A
ED-581	R6	33.21216487, -115.39494033	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.009	72.182	5	N/A
ED-583	R6	33.22788194, -115.40803013	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.061	164.592	15	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-588	R6	33.21901428, -115.39993318	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.067	228.015	12	N/A
ED-591	R6	33.2074041, -115.40168216	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.068	588.434	5	N/A
ED-593	R6	33.21595155, -115.39941082	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.043	231.248	8	N/A
ED-598	R6	33.23101528, -115.41870191	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.051	130.682	15	N/A
ED-599	R6	33.21948263, -115.40334984	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.052	269.705	8	N/A
ED-600	R6	33.23034587, -115.40921323	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.065	947.139	3	N/A
ED-602	R6	33.21338014, -115.38990671	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	83.120	4	N/A
ED-604	R6	33.22211534, -115.40860944	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.018	109.952	7	N/A
ED-606	R6	33.21227426, -115.39653106	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.001	11.092	3	N/A
ED-607	R6	33.22878018, -115.41009189	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.068	729.987	4	N/A
ED-608	R6	33.23341324, -115.40869769	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.044	471.226	4	N/A
ED-609	R6	33.21262145, -115.39323093	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	172.619	5	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-611	R6	33.21269108, -115.39408033	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.033	236.740	6	N/A
ED-612	R6	33.21767718, -115.39833887	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.050	171.865	12	N/A
ED-614	R6	33.21316163, -115.39004456	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.018	123.968	6	N/A
ED-617	R6	33.23290547, -115.4144761	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	247.597	6	N/A
ED-626	R6	33.22095983, -115.40825275	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.090	553.644	7	N/A
ED-628	R6	33.21206809, -115.39544538	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.006	40.063	6	N/A
ED-630	R6	33.21297564, -115.40359159	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.056	479.203	5	N/A
ED-631	R6	33.22059702, -115.40805862	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.016	221.477	3	N/A
ED-635	R6	33.21779239, -115.39742774	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.090	381.624	10	N/A
ED-637	R6	33.21501561, -115.38946769	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	14.277	10	N/A
ED-640	R6	33.21879673, -115.4063567	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.014	143.762	4	N/A
ED-642	R6	33.23312731, -115.415006	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.042	302.991	6	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-649	R6	33.23281543, -115.41527127	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.014	101.474	6	N/A
ED-655	R6	33.227361288, -115.407339658	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.021	307.882	8	N/A
ED-656	R6	33.22368805, -115.41101315	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.007	292.274	1	N/A
ED-657	R6	33.22999813, -115.40734768	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.016	129.099	5	N/A
ED-658	R6	33.22868451, -115.40851949	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.045	323.353	6	N/A
ED-659	R6	33.22972102, -115.40768594	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.041	167.192	10	N/A
ED-664	R6	33.23367731, -115.41373911	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.091	386.411	10	N/A
ED-665	R6	33.23434674, -115.42110313	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	172.349	2	N/A
ED-666	R6	33.20782649, -115.40126172	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.053	451.347	5	N/A
ED-669	R6	33.23330758, -115.41715183	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.007	304.086	1	N/A
ED-672	R6	33.2194086, -115.39631231	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	154.516	7	N/A
ED-677	R6	33.22218706, -115.40739403	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.021	147.817	6	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-678	R6	33.21624633, -115.40159849	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.051	235.826	9	N/A
ED-682	R6	33.21841053, -115.39509222	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.029	134.462	9	N/A
ED-683	R6	33.21608126, -115.4007214	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.142	758.621	8	N/A
ED-684	R6	33.23289364, -115.41699637	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.048	285.411	7	N/A
ED-685	R6	33.20910323, -115.39127528	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.007	27.531	8	N/A
ED-688	R6	33.23246131, -115.41224714	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.058	499.156	5	N/A
ED-689	R6	33.21639549, -115.3967876	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.060	214.456	12	N/A
ED-693	R6	33.21889962, -115.39347609	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.081	179.355	10	N/A
ED-694	R6	33.21225422, -115.39338544	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	179.355	6	N/A
ED-695	R6	33.22568768, -115.40971029	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.017	359.695	2	N/A
ED-698	R6	33.22725573, -115.41034694	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.036	512.121	3	N/A
ED-701	R6	33.23221437, -115.41079203	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.072	624.466	5	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-702	R6	33.21819769, -115.40516265	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	137.354	6	N/A
ED-705	R6	33.21729163, -115.39983465	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.052	275.734	8	N/A
ED-708	R6	33.21867388, -115.40454552	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.132	223.865	25	N/A
ED-709	R6	33.23411574, -115.42154967	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.130	360.553	15	N/A
ED-710	R6	33.23217693, -115.41785952	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	437.866	2	N/A
ED-713	R6	33.22675294, -115.40701401	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.027	296.126	4	N/A
ED-714	R6	33.23319968, -115.4135393	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.214	310.020	30	N/A
ED-715	R6	33.21901514, -115.40362684	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.044	187.191	10	N/A
ED-717	R6	33.22949216, -115.41775973	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.288	1250.082	10	N/A
ED-718	R6	33.21619236, -115.39251661	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	1.695	2440.638	30	N/A
ED-721	R6	33.23427131, -115.41274726	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.097	406.181	10	N/A
ED-722	R6	33.23342301, -115.41438426	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.049	253.763	8	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-723	R6	33.21464223, -115.38963717	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.050	136.546	15	N/A
ED-726	R6	33.21941224, -115.39594497	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.090	289.374	14	N/A
ED-731	R6	33.21676746, -115.4029419	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.049	166.564	12	N/A
ED-733	R6	33.21968431, -115.39608941	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.040	60.781	20	N/A
ED-734	R6	33.22938487, -115.40700775	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.164	218.575	30	N/A
ED-735	R6	33.21738215, -115.40070908	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.013	89.948	6	N/A
ED-737	R6	33.21867393, -115.39928022	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.042	359.787	5	N/A
ED-740	R6	33.2206619, -115.41063387	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.071	128.865	20	N/A
ED-741	R6	33.21957208, -115.39105077	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	23.576	12	N/A
ED-743	R6	33.21720507, -115.39923637	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.045	484.837	4	N/A
ED-744	R6	33.22566542, -115.41090997	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.049	257.277	8	N/A
ED-745	R6	33.23002223, -115.41627768	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.038	320.825	5	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-748	R6	33.21277215, -115.3906986	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	60.380	6	N/A
ED-753	R6	33.21304242, -115.39037957	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.026	90.976	12	N/A
ED-755	R6	33.22237251, -115.40844644	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.129	922.438	6	N/A
ED-756	R6	33.22786434, -115.40663554	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.001	21.793	2	N/A
ED-759	R6	33.21260399, -115.39082735	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.030	212.012	6	N/A
ED-761	R6	33.22646303, -115.41030564	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.042	613.446	3	N/A
ED-762	R6	33.21903137, -115.398068	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.184	313.970	25	N/A
ED-763	R6	33.21790061, -115.39969384	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.144	886.836	7	N/A
ED-766	R6	33.22297454, -115.40798073	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.221	453.421	20	N/A
ED-768	R6	33.21203431, -115.39331225	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.007	48.884	6	N/A
ED-772	R6	33.21246649, -115.39366476	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.012	132.449	4	N/A
ED-775	R6	33.23299955, -115.41994125	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.014	298.704	2	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-777	R6	33.21597351, -115.40572952	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.032	78.557	15	N/A
ED-779	R6	33.22672643, -115.40860361	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.115	494.685	10	N/A
ED-780	R6	33.23214631, -115.41861869	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.113	325.961	15	N/A
ED-781	R6	33.21257848, -115.39311129	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.010	78.946	5	N/A
ED-784	R6	33.2259214, -115.40937082	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.010	222.910	2	N/A
ED-786	R6	33.22925071, -115.40816053	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.043	260.674	7	N/A
ED-787	R6	33.23002018, -115.40670091	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	129.293	5	N/A
ED-788	R6	33.21568724, -115.40188926	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.119	514.056	10	N/A
ED-789	R6	33.2190629, -115.40570263	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.120	347.444	15	N/A
ED-790	R6	33.21959618, -115.39188783	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	101.691	8	N/A
ED-792	R6	33.21262093, -115.39088411	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.019	132.722	6	N/A
ED-794	R6	33.2297728, -115.4079939	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.037	191.569	8	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-798	R6	33.22880673, -115.40737351	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	179.432	8	N/A
ED-805	R6	33.22704802, -115.40967025	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.092	397.641	10	N/A
ED-807	R6	33.2214809, -115.40753789	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.253	535.269	20	N/A
ED-808	R6	33.22012652, -115.410466	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	62.453	2	N/A
ED-810	R6	33.22937522, -115.40816506	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.043	308.596	6	N/A
ED-812	R6	33.21745471, -115.4036635	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.076	319.631	10	N/A
ED-813	R6	33.23171107, -115.41854462	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.024	198.773	5	N/A
ED-814	R6	33.22735466, -115.41058803	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.022	473.557	2	N/A
ED-817	R6	33.23436781, -115.40697397	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.046	251.071	8	N/A
ED-822	R6	33.22754568, -115.40856577	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.029	242.713	5	N/A
ED-824	R6	33.21956823, -115.40301662	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.207	269.927	30	N/A
ED-825	R6	33.23168189, -115.41174598	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	123.050	5	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-826	R6	33.23031699, -115.41591847	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.004	44.527	4	N/A
ED-829	R6	33.23275919, -115.41579848	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.011	245.630	2	N/A
ED-830	R6	33.2190763, -115.39177897	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.054	230.383	10	N/A
ED-831	R6	33.22382266, -115.41035598	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.063	541.409	5	N/A
ED-834	R6	33.21884616, -115.3994056	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.063	542.517	5	N/A
ED-836	R6	33.21352298, -115.38951945	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.004	13.870	8	N/A
ED-841	R6	33.23307252, -115.41682315	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	56.169	2	N/A
ED-843	R6	33.21595176, -115.39822848	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.013	140.784	4	N/A
ED-845	R6	33.21880797, -115.40444738	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.051	365.452	6	N/A
ED-848	R6	33.23302058, -115.41973794	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.020	280.490	3	N/A
ED-850	R6	33.22345549, -115.4097374	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.099	344.874	12	N/A
ED-851	R6	33.23360382, -115.4221469	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.284	505.686	25	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-854	R6	33.21931411, -115.40263509	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.177	488.574	15	N/A
ED-858	R6	33.21708011, -115.40437923	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	208.735	7	N/A
ED-859	R6	33.23392296, -115.4115964	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.181	785.560	10	N/A
ED-860	R6	33.21331336, -115.39003692	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.006	32.051	7	N/A
ED-862	R6	33.23308748, -115.4147235	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.023	163.800	6	N/A
ED-864	R6	33.23349672, -115.41650543	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.190	546.009	15	N/A
ED-865	R6	33.2196205, -115.40017543	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	35.877	8	N/A
ED-872	R6	33.22842769, -115.40925189	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.080	693.408	5	N/A
ED-879	R6	33.21926045, -115.39800954	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.070	370.635	8	N/A
ED-880	R6	33.23140711, -115.41232101	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.024	252.270	4	N/A
ED-882	R6	33.23151527, -115.4177394	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	126.353	5	N/A
ED-885	R6	33.22924768, -115.40682286	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.0043	184.394	1	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-888	R6	33.22203815, -115.408418	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.046	326.243	6	N/A
ED-890	R6	33.21436218, -115.39035839	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.096	168.175	25	N/A
ED-892	R6	33.23153109, -115.41672722	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.037	308.891	5	N/A
ED-895	R6	33.22604998, -115.40831712	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.041	171.986	10	N/A
ED-898	R6	33.21947714, -115.40480655	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.019	132.542	6	N/A
ED-900	R6	33.23351283, -115.41289332	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.078	205.465	15	N/A
ED-901	R6	33.23312247, -115.41675568	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.016	110.127	6	N/A
ED-902	R6	33.23201107, -115.41444979	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.149	919.459	7	N/A
ED-903	R6	33.22845973, -115.40835692	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.003	55.350	2	N/A
ED-905	R6	33.23424897, -115.40991315	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.022	308.046	3	N/A
ED-910	R6	33.22565777, -115.40807026	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.012	168.959	3	N/A
ED-912	R6	33.21194379, -115.39529161	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.000	0.414	6	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-913	R6	33.2320219, -115.42047867	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.002	7.205	5	N/A
ED-914	R6	33.21851912, -115.39345208	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.338	979.491	15	N/A
ED-915	R6	33.23075454, -115.41370836	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.047	407.122	5	N/A
ED-916	R6	33.21910182, -115.40452978	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.050	168.643	12	N/A
ED-917	R6	33.23253734, -115.4161131	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.019	156.068	5	N/A
ED-920	R6	33.23093827, -115.41933895	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.049	252.996	8	N/A
ED-921	R6	33.23450324, -115.407486	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	203.797	5	N/A
ED-928	R6	33.2340982, -115.4220864	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.213	361.378	25	N/A
ED-929	R6	33.22226183, -115.40687502	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.004	74.674	2	N/A
ED-930	R6	33.21742231, -115.40015126	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.205	265.625	30	N/A
ED-934	R6	33.21827628, -115.4014715	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.054	465.453	5	N/A
ED-936	R6	33.22622459, -115.40987916	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.059	245.618	10	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-937	R6	33.21588569, -115.39748447	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.032	221.658	6	N/A
ED-938	R6	33.22666689, -115.4085055	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.117	411.306	12	N/A
ED-940	R6	33.23228165, -115.41688086	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.255	546.953	20	N/A
ED-941	R6	33.23179676, -115.40664096	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.001	35.660	1	N/A
ED-944	R6	33.2292689, -115.40867267	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.052	368.933	6	N/A
ED-945	R6	33.23328011, -115.41364632	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.051	208.709	10	N/A
ED-946	R6	33.21914582, -115.40656334	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.018	88.866	8	N/A
ED-948	R6	33.22701243, -115.40678412	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.002	31.196	2	N/A
ED-949	R6	33.21298095, -115.39269154	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.073	440.290	7	N/A
ED-950	R6	33.21570381, -115.40153732	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.072	303.076	10	N/A
ED-954	R6	33.21310875, -115.40475835	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.042	257.625	7	N/A
ED-955	R6	33.21292024, -115.39053872	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.009	57.798	6	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-957	R6	33.22491863, -115.41017263	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.037	526.842	3	N/A
ED-960	R6	33.22305149, -115.40824734	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.216	308.646	30	N/A
ED-965	R6	33.2171635, -115.4001925	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	100.293	10	N/A
ED-967	R6	33.23373753, -115.40791936	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.011	77.438	6	N/A
ED-968	R6	33.21283089, -115.39061704	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.002	47.713	2	N/A
ED-969	R6	33.23427866, -115.42199492	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.013	180.572	3	N/A
ED-970	R6	33.22655134, -115.4092513	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.045	483.979	4	N/A
ED-971	R6	33.21546344, -115.40039095	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.118	419.853	12	N/A
ED-972	R6	33.21405043, -115.39106601	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.009	57.657	6	N/A
ED-973	R6	33.22797858, -115.40869084	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.044	236.836	8	N/A
ED-974	R6	33.2166366, -115.40206624	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.153	822.739	8	N/A
ED-977	R6	33.22516989, -115.40757348	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.061	663.671	4	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-980	R6	33.23281578, -115.4151258	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	209.642	3	N/A
ED-982	R6	33.21349553, -115.40539288	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.082	433.261	8	N/A
ED-983	R6	33.23429988, -115.41640457	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.120	338.292	15	N/A
ED-984	R6	33.23376638, -115.41321633	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	176.746	6	N/A
ED-985	R6	33.22434886, -115.40866927	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.343	1483.622	10	N/A
ED-987	R6	33.21680637, -115.40342369	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.064	270.409	10	N/A
ED-989	R6	33.21621457, -115.40468798	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.053	216.961	10	N/A
ED-999	R6	33.22756902, -115.40909902	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.017	175.651	4	N/A
ED-1000	R6	33.21925087, -115.39842328	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	350.293	3	N/A
ED-1004	R6	33.21897678, -115.40651219	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.010	139.274	3	N/A
ED-1005	R6	33.21335242, -115.38951879	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.004	23.650	6	N/A
ED-1007	R6	33.21674768, -115.40089049	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.026	107.100	10	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-1009	R6	33.22611175, -115.40881085	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.0094	407.667	1	N/A
ED-1015	R6	33.21565291, -115.39951697	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.039	165.356	10	N/A
ED-1020	R6	33.21253963, -115.39115439	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	253.390	6	N/A
ED-1022	R6	33.23055739, -115.41500653	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.005	65.975	3	N/A
ED-1023	R6	33.22885565, -115.40816359	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.002	29.572	3	N/A
ED-1028	R6	33.23435742, -115.41066126	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.071	377.143	8	N/A
ED-1038	R6	33.21954855, -115.39174556	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.014	84.749	7	N/A
ED-1041	R6	33.2116365, -115.3958341	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	62.685	5	N/A
ED-1045	R6	33.21865406, -115.40647608	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.086	144.706	25	N/A
ED-1050	R6	33.22991749, -115.40664718	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.026	55.055	15	N/A
ED-1052	R6	33.23342293, -115.41892324	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.070	304.563	10	N/A
ED-1053	R6	33.22614559, -115.40948794	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.311	250.910	50	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-1054	R6	33.23217002, -115.4166409	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.348	734.377	20	N/A
ED-1063	R6	33.22229832, -115.41019034	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.298	485.865	25	N/A
ED-1065	R6	33.21677263, -115.40306703	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.022	88.385	10	N/A
ED-1071	R6	33.21671403, -115.40557944	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.028	193.655	6	N/A
ED-1076	R6	33.22746011, -115.40738306	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.039	419.588	4	N/A
ED-1077	R6	33.21957584, -115.40481958	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.081	229.555	15	N/A
ED-1080	R6	33.2235811, -115.40775866	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.100	350.778	12	N/A
ED-1082	R6	33.23247165, -115.41192982	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.016	168.626	4	N/A
ED-1083	R6	33.23153452, -115.41871448	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.019	69.213	10	N/A
ED-1084	R6	33.21415488, -115.39093118	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	38.676	8	N/A
ED-1085	R6	33.21227274, -115.39329858	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.025	176.566	6	N/A
ED-1088	R6	33.21886095, -115.39204895	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.045	212.538	9	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-1090	R6	33.21579300, -115.40146188	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.176	764.493	10	N/A
ED-1091	R6	33.21874757, -115.40366998	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.114	485.292	10	N/A
ED-1095	R6	33.2316261, -115.41896959	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.006	123.530	2	N/A
ED-1096	R6	33.21908254, -115.40366838	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.233	396.137	25	N/A
ED-1097	R6	33.20827055, -115.39934655	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.004	75.216	2	N/A
ED-1100	R6	33.22193366, -115.40761211	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.118	637.313	8	N/A
ED-1103	R6	33.23449202, -115.42170061	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.000	0.463	5	N/A
ED-1104	R6	33.2169737, -115.39995194	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.076	400.409	8	N/A
ED-1107	R6	33.23093071, -115.42015237	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.000	6.634	40	N/A
ED-1113	R6	33.21680831, -115.40269529	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.028	196.791	6	N/A
ED-1117	R6	33.21606549, -115.40235345	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	126.089	5	N/A
ED-1118	R6	33.22580178, -115.40728469	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.157	335.106	20	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-1121	R6	33.2277448, -115.41118109	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.000	1.830	15	N/A
ED-1125	R6	33.23408874, -115.40985789	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.083	1197.912	3	N/A
ED-1128	R6	33.21568961, -115.39871266	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.040	171.073	10	N/A
ED-1130	R6	33.20895309, -115.40028201	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	312.619	2	N/A
ED-1133	R6	33.23302219, -115.41530811	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.042	204.003	9	N/A
ED-1137	R6	33.22483874, -115.40664709	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.004	10.446	15	N/A
ED-1139	R6	33.21770515, -115.39450317	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.001	18.556	3	N/A
ED-1143	R6	33.2312474, -115.41797898	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.342	343.659	40	N/A
ED-1152	R6	33.21789564, -115.40166744	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.076	399.344	8	N/A
ED-1153	R6	33.23402118, -115.41171099	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.511	599.651	35	N/A
ED-1155	R6	33.21276802, -115.4049186	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.045	230.595	8	N/A
ED-1157	R6	33.22902642, -115.40679729	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	170.515	2	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-1158	R6	33.21614335, -115.40350849	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.043	180.817	10	N/A
ED-1159	R6	33.22373263, -115.40934634	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.074	398.867	8	N/A
ED-1163	R6	33.23290660, -115.41493744	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.087	618.095	6	N/A
ED-1164	R6	33.21330650, -115.38981267	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.017	120.153	6	N/A
ED-1165	R6	33.21880124, -115.40498489	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.089	311.382	12	N/A
ED-1167	R6	33.2338001, -115.41373832	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.039	127.944	12	N/A
ED-1170	R6	33.21580050, -115.39725411	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.011	152.419	3	N/A
ED-1172	R6	33.21778367, -115.40462546	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.144	295.559	20	N/A
ED-1175	R6	33.22452651, -115.40708709	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.499	411.714	40	N/A
ED-1176	R6	33.22640015, -115.410748	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.110	462.832	10	N/A
ED-1177	R6	33.21326909, -115.40536324	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.070	426.097	7	N/A
ED-1180	R6	33.23003934, -115.40718359	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	142.259	10	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-1181	R6	33.21251159, -115.39075892	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.059	427.324	6	N/A
ED-1184	R6	33.21680919, -115.40476937	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.106	573.135	8	N/A
ED-1185	R6	33.21835881, -115.40576588	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.007	21.075	10	N/A
ED-1189	R6	33.23383546, -115.41313501	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.010	136.341	3	N/A
ED-1190	R6	33.22052980, -115.40747607	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	313.215	2	N/A
ED-1193	R6	33.23394638, -115.40970336	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.233	1443.014	7	N/A
ED-1194	R6	33.21242461, -115.39643895	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.015	120.320	5	N/A
ED-1195	R6	33.21592671, -115.40294676	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.049	167.281	12	N/A
ED-1196	R6	33.22290426, -115.40794331	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.029	418.336	3	N/A
ED-1201	R6	33.2181672, -115.40538005	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.048	340.207	6	N/A
ED-1205	R6	33.22769174, -115.40864925	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.002	37.092	2	N/A
ED-1207	R6	33.21938859, -115.39872402	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.049	294.387	7	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-1208	R6	33.21911691, -115.39730335	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.031	177.350	7	N/A
ED-1210	R6	33.23086055, -115.41950899	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	88.307	4	N/A
ED-1212	R6	33.20731892, -115.39982708	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.035	182.446	8	N/A
ED-1213	R6	33.21930268, -115.40112195	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.117	192.742	25	N/A
ED-1214	R6	33.21259495, -115.40466098	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.026	152.454	7	N/A
ED-1216	R6	33.21227739, -115.39393888	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.029	240.977	5	N/A
ED-1219	R6	33.23317367, -115.41535919	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.041	216.890	8	N/A
ED-1221	R6	33.21584132, -115.40539248	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.178	231.832	30	N/A
ED-1228	R6	33.21920242, -115.40446699	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.158	447.602	15	N/A
ED-1233	R6	33.21583859, -115.40456634	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.117	329.915	15	N/A
ED-1234	R6	33.21800411, -115.40347425	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.207	442.258	20	N/A
ED-1235	R6	33.22999379, -115.40826992	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.014	195.611	3	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-1236	R6	33.23341735, -115.4215397	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.041	584.247	3	N/A
ED-1240	R6	33.22677324, -115.41062416	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.055	596.706	4	N/A
ED-1242	R6	33.21881572, -115.40565367	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.085	266.710	15	N/A
ED-1243	R6	33.22658843, -115.41071543	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.011	233.883	2	N/A
ED-1247	R6	33.23355737, -115.41692563	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.068	362.186	8	N/A
ED-1249	R6	33.22059676, -115.41086866	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.008	109.085	3	N/A
ED-1252	R6	33.22339229, -115.40714051	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.214	296.442	20	N/A
ED-1253	R6	33.22130874, -115.41006355	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.694	501.450	20	N/A
ED-1254	R6	33.21273796, -115.39052594	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.029	251.908	5	N/A
ED-1259	R6	33.21631181, -115.39214891	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.048	204.366	10	N/A
ED-1260	R6	33.21602391, -115.40581328	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.001	8.076	10	N/A
ED-1263	R6	33.21570182, -115.39907588	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.098	422.342	10	N/A

Resource Name[1]	Aquatic Resources Classification		Flow Regime; OHWM; Wetland Summary	Dominant Vegetation	Resource Size (acre)	Resource Size (linear feet)	Feature Width[3]	Riparian Habitat Size (acres)[4]
	Cowardin[2]	Location (lat/long)						
ED-1264	R6	33.21946410, -115.40065208	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.104	145.686	30	N/A
ED-1266	R6	33.21963600, -115.39552288	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.000	6.492	10	N/A
ED-1268	R6	33.23370969, -115.41293937	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.006	119.605	2	N/A
ED-1269	R6	33.23003383, -115.41635205	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.0219	151.832	6	N/A
ED-1270	R6	33.21648831, -115.40524908	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.0335	195.832	7	N/A
ED-1275	R6	33.23164159, -115.41850193	Ephemeral; clear OHWM indicators observed, evidence of recent flow; non-wetland.	Unvegetated	0.144	618.105	10	N/A
Total	N/A	N/A	N/A	N/A	50.830	166085.900	N/A	239.749

[1]ED= Ephemeral Drainage
[2] Cowardin Codes: (R6) Riverine, Ephemeral (USFWS 2020b).
[3]Bank-to-bank width.
[4]Includes Alkali Sink and Riparian Habitat acreages.
[5]Drainage has been removed from Impact Area, but associated riparian habitat is included.

ATTACHMENT C

OHWM and Wetland Determination Data Forms – Arid West Region

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: Vega SES 2/3
Project Number:
Stream: ED-3005 (Cross section #100)
Investigator(s): C. Torres, G. Hampton

Date: 11/12/2020 **Time:** 9:20 AM
Town: Calipatria **State:** CA
Photo begin file#: **Photo end file#:**

Y [x] / N [ ] Do normal circumstances exist on the site?

Y [ ] / N [x] Is the site significantly disturbed?

Location Details: Cross section taken at Siphon 4 where the associated drainage system crosses Coachella Canal.

Projection: **Datum:** NAD83
Coordinates:

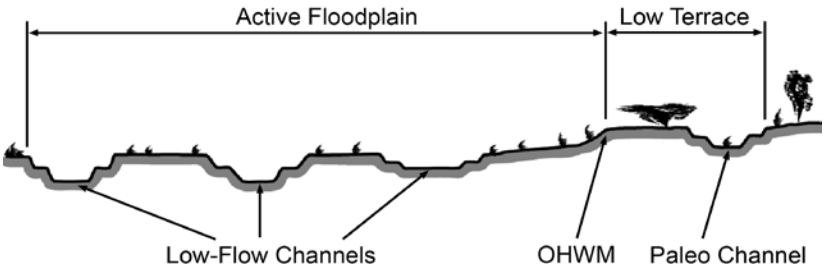
Potential anthropogenic influences on the channel system: Drainage system is diverted to cross over the Coachella Canal via a series of Siphons: Siphon 4, Siphon 5, and Siphon 6. Manmade berms that serve to divert surface flow are present along the railroad, canal, and other areas within the Study Areas. Active agriculture is adjacent to the northwest portion of the Study Areas. Area is actively used for offroad vehicles, including some of the larger drainages that double as roads.

Brief site description: The Study Areas and adjacent Chocolate Mountains are part of an alluvial fan drainage system. The Coachella Canal bisects Study Areas 2 and 3. Unlined, manmade retention basins are located directly west of and run parallel to the Coachella Canal. A railroad right-of-way borders the southwestern portion of the site, and a drainage system flows southwest under the railroad via a concrete underpass. Drainages flow southwest in direction of the East Highline Canal.

Checklist of resources (if available):

- [x] Aerial photography
  Dates: 1953-2015
- [x] Topographic maps
- [ ] Geologic maps
- [x] Vegetation maps
- [x] Soils maps
- [x] Rainfall/precipitation maps
- [ ] Existing delineation(s) for site
- [x] Global positioning system (GPS)
- [ ] Other studies
- [ ] Stream gage data
  Gage number:
  Period of record:
- [ ] History of recent effective discharges
- [ ] Results of flood frequency analysis
- [ ] Most recent shift-adjusted rating
- [ ] Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

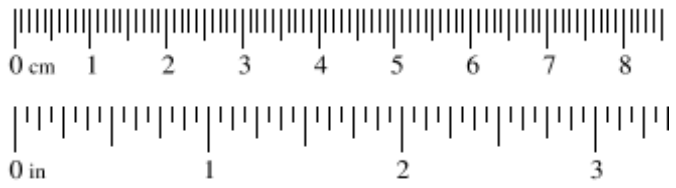


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - [ ] Mapping on aerial photograph
   - [x] GPS
   - [ ] Digitized on computer
   - [ ] Other:

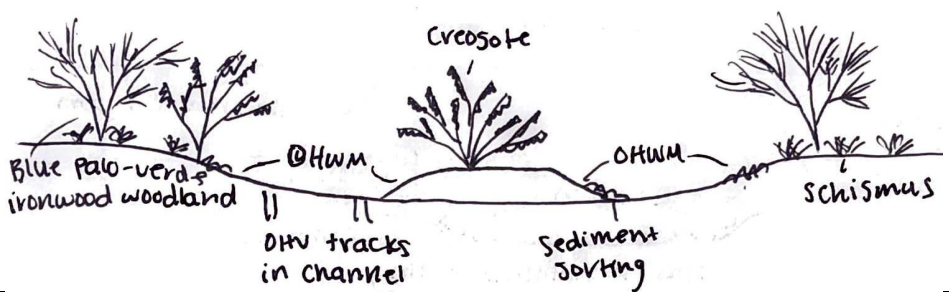
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64	Pebble	
0.157	4	Granule	
0.079	2.00	Very coarse sand	
0.039	1.00	Coarse sand	
0.020	0.50	Medium sand	Sand
1/2 0.0098	0.25	Fine sand	
1/4 0.005	0.125	Very fine sand	
1/8 0.0025	0.0625	Coarse silt	
1/16 0.0012	0.031	Medium silt	
1/32 0.00061	0.0156	Fine silt	Silt
1/64 0.00031	0.0078	Very fine silt	
1/128 0.00015	0.0039	Clay	Mud



Project ID: Vega SES 2/3 **Cross section ID:** ED-3005 (#100) **Date:** 11/12/2020 **Time:** 9:20 AM

Cross section drawing:



OHWM

GPS point: 33.205770, -115.404347

Indicators:

- [x] Change in average sediment texture
- [x] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Large drainage also being used as a road for OHV. Riparian habitat associated with drainage system. Slight break in bed and bank.
OHWM: 15' width, 5" depth
B2B: 50' width, 1' depth

Floodplain unit:

- [x] Low-Flow Channel
- [ ] Active Floodplain
- [ ] Low Terrace

GPS point: 33.205770, -115.404347

Characteristics of the floodplain unit:

Average sediment texture: Medium sand
Total veg cover: 15 % Tree: 10 % Shrub: 5 % Herb: _____%
Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [x] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [x] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [x] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Channel itself is unvegetated with some vegetated islands. Blue palo-verde and ironwood woodland line the banks, with occasional creosote bush. A number of channels branch off the main drainage that flows into Siphon Four.

Project ID: **Cross section ID:** **Date:** **Time:**

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____% Shrub: _____% Herb: _____%

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____% Shrub: _____% Herb: _____%

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: Vega SES 2/3
Project Number:
Stream: ED-3004 (Cross section #101)
Investigator(s): C. Torres, G. Hampton

Date: 11/11/2020
Town: Calipatria
Photo begin file#:

Time: 10:00 AM
State: CA
Photo end file#:

Y [x] / N [ ] Do normal circumstances exist on the site?

Y [ ] / N [x] Is the site significantly disturbed?

Location Details: Cross section taken at Siphon 5 where the associated drainage system crosses Coachella Canal.

Projection:
Datum: NAD83
Coordinates:

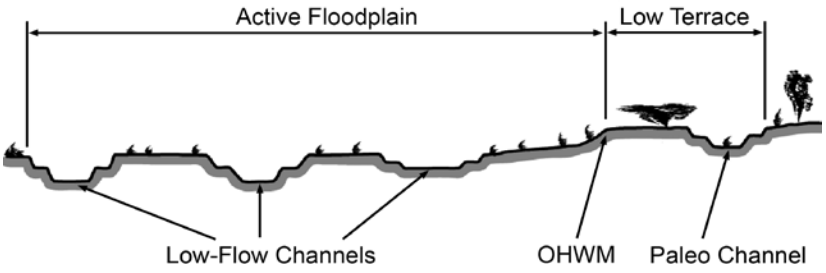
Potential anthropogenic influences on the channel system: Drainage system is diverted to cross over the Coachella Canal via a series of Siphons: Siphon 4, Siphon 5, and Siphon 6. Manmade berms that serve to divert surface flow are present along the railroad, canal, and other areas within the Study Areas. Active agriculture is adjacent to the northwest portion of the Study Areas. Area is actively used for offroad vehicles, including some of the larger drainages that double as roads.

Brief site description: The Study Areas and adjacent Chocolate Mountains are part of an alluvial fan drainage system. The Coachella Canal bisects Study Areas 2 and 3. Unlined, manmade retention basins are located directly west of and run parallel to the Coachella Canal. A railroad right-of-way borders the southwestern portion of the site, and a drainage system flows southwest under the railroad via a concrete underpass. Drainages flow southwest in direction of the East Highline Canal.

Checklist of resources (if available):

- [x] Aerial photography
  Dates: 1953-2015
- [x] Topographic maps
- [ ] Geologic maps
- [x] Vegetation maps
- [x] Soils maps
- [x] Rainfall/precipitation maps
- [ ] Existing delineation(s) for site
- [x] Global positioning system (GPS)
- [ ] Other studies
- [ ] Stream gage data
  Gage number:
  Period of record:
- [ ] History of recent effective discharges
- [ ] Results of flood frequency analysis
- [ ] Most recent shift-adjusted rating
- [ ] Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

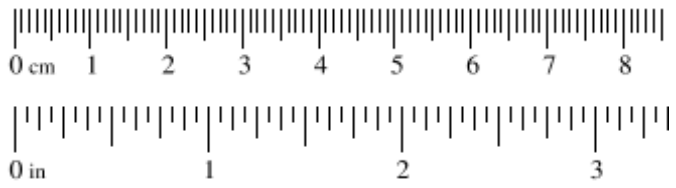


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - [ ] Mapping on aerial photograph
   - [x] GPS
   - [ ] Digitized on computer
   - [ ] Other:

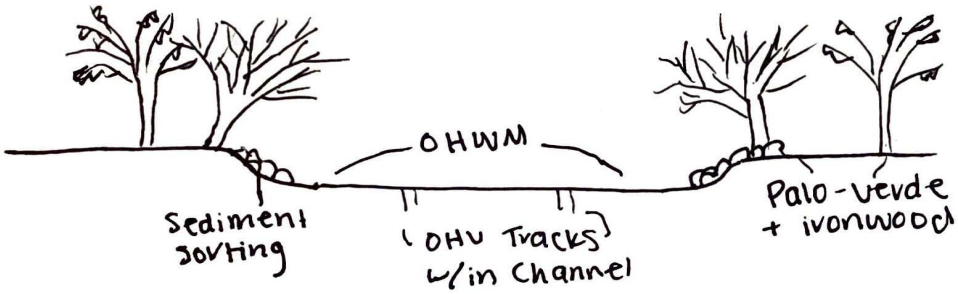
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64	Pebble	
0.157	4	Granule	
0.079	2.00	Very coarse sand	
0.039	1.00	Coarse sand	
0.020	0.50	Medium sand	Sand
1/2 0.0098	0.25	Fine sand	
1/4 0.005	0.125	Very fine sand	
1/8 0.0025	0.0625	Coarse silt	
1/16 0.0012	0.031	Medium silt	
1/32 0.00061	0.0156	Fine silt	Silt
1/64 0.00031	0.0078	Very fine silt	
1/128 0.00015	0.0039	Clay	Mud



Project ID: Vega SES 2/3 **Cross section ID:** ED-3004 (#101) **Date:** 11/11/2020 **Time:** 10:00 AM

Cross section drawing:



OHWM

GPS point: 32.215538, -115.411027

Indicators:

- [x] Change in average sediment texture
- [x] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Large drainage also being used as a road for OHV. Riparian habitat associated with drainage system.
OHWM: 10' width, 2" depth
B2B: 45' width, 2' depth

Floodplain unit:

[x] Low-Flow Channel [ ] Active Floodplain [ ] Low Terrace

GPS point: 32.215538, -115.411027

Characteristics of the floodplain unit:

Average sediment texture: Medium Sand
Total veg cover: 10 % Tree: 10 % Shrub: 0 % Herb: 0 %
Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [x] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [x] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [x] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Channel itself is unvegetated. Blue palo-verde and ironwood line the banks, with occasional creosote bush further downstream. A number of channels branch off the main drainage that flows into Siphon Five.

Project ID: **Cross section ID:** **Date:** **Time:**

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____% Shrub: _____% Herb: _____%

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____% Shrub: _____% Herb: _____%

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: Vega SES 2/3
Project Number:
Stream: ED-3002 (Cross section #102)
Investigator(s): C. Torres, G. Hampton

Date: 11/9/2020 **Time:** 1:20 PM
Town: Calipatria **State:** CA
Photo begin file#: **Photo end file#:**

Y [X] / N [ ] Do normal circumstances exist on the site?

Y [ ] / N [X] Is the site significantly disturbed?

Location Details: Cross section taken at Siphon 6 where the associated drainage system crosses Coachella Canal.

Projection: **Datum:** NAD83
Coordinates:

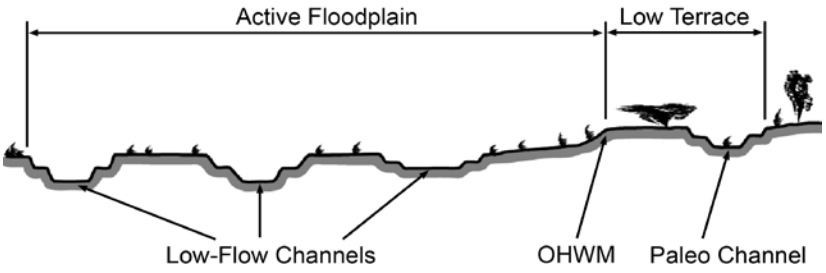
Potential anthropogenic influences on the channel system: Drainage system is diverted over the Coachella Canal via a series of Siphons: Siphon 4, Siphon 5, and Siphon 6. Manmade berms that serve to divert surface flow are present along the railroad, canal, and other areas within the Study Areas. Active agriculture is adjacent to the northwest portion of the Study Areas. Area is actively used for offroad vehicles, including some of the larger drainages that double as roads.

Brief site description: The Study Areas and adjacent Chocolate Mountains are part of an alluvial fan drainage system. The Coachella Canal bisects Study Areas 2 and 3. Unlined, manmade retention basins are located directly west of and run parallel to the Coachella Canal. A railroad right-of-way borders the southwestern portion of the site, and a drainage system flows southwest under the railroad via a concrete underpass. Drainages flow southwest in direction of the East Highline Canal.

Checklist of resources (if available):

- [X] Aerial photography
  Dates: 1953-2015
- [X] Topographic maps
- [ ] Geologic maps
- [X] Vegetation maps
- [X] Soils maps
- [X] Rainfall/precipitation maps
- [ ] Existing delineation(s) for site
- [X] Global positioning system (GPS)
- [ ] Other studies
- [ ] Stream gage data
  Gage number:
  Period of record:
- [ ] History of recent effective discharges
- [ ] Results of flood frequency analysis
- [ ] Most recent shift-adjusted rating
- [ ] Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

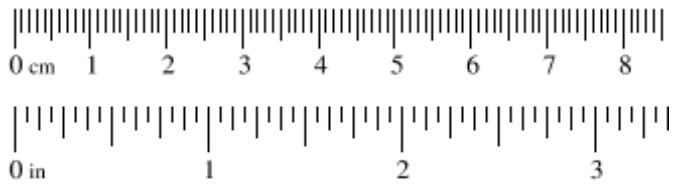


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - [ ] Mapping on aerial photograph
   - [X] GPS
   - [ ] Digitized on computer
   - [ ] Other:

Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64	Pebble	
0.157	4	Granule	
0.079	2.00	Very coarse sand	
0.039	1.00	Coarse sand	
0.020	0.50	Medium sand	Sand
1/2 0.0098	0.25	Fine sand	
1/4 0.005	0.125	Very fine sand	
1/8 0.0025	0.0625	Coarse silt	
1/16 0.0012	0.031	Medium silt	
1/32 0.00061	0.0156	Fine silt	Silt
1/64 0.00031	0.0078	Very fine silt	
1/128 0.00015	0.0039	Clay	Mud



Project ID: Vega SES 2/3 **Cross section ID:** ED-3002 (#102) **Date:** 11/9/2020 **Time:** 1:20 PM

Cross section drawing:

OHWM

GPS point: 33.231588, -115.422418

Indicators:

- [x] Change in average sediment texture
- [x] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Large drainage also being used as a road for OHV. Riparian habitat associated with drainage system. Slight break in bed and bank.
OHWM: 25' width, 2" depth
B2B: 30' width, 5" depth

Floodplain unit:

- [x] Low-Flow Channel
- [ ] Active Floodplain
- [ ] Low Terrace

GPS point: 33.231588, -115.422418

Characteristics of the floodplain unit:

Average sediment texture: Medium sand
Total veg cover: 12 % Tree: 12 % Shrub: _____% Herb: _____%
Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [x] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [x] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Channel itself is unvegetated. Palo verde-ironwood woodland on banks, with scattered individuals of creosote bush. A number of braided channels offshoot from main drainage that leads into Siphon Six.

Project ID: **Cross section ID:** **Date:** **Time:**

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____% Shrub: _____% Herb: _____%

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____% Shrub: _____% Herb: _____%

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: Vega SES 2/3
Project Number:
Stream: ED-3001 (Cross section #200)
Investigator(s): C. Congedo, C. Torres

Date: 09/29/2020
Town: Calipatria
Photo begin file#:

Time: 10:30AM
State: CA
Photo end file#:

Y [x] / N [ ] Do normal circumstances exist on the site?

Y [ ] / N [x] Is the site significantly disturbed?

Location Details: Cross section taken of ID-01 adjacent to railroad right-of-way at northeast portion of Project Area.

Projection:
Datum: NAD83
Coordinates:

Potential anthropogenic influences on the channel system:
Channel diverted under railroad tracks using a concrete culvert, and drainage system eventually meets with the East Highline Canal at the southwest end of the site. Lateral canals divert water from the East Highline Canal to active agriculture that is adjacent to the Project Area.

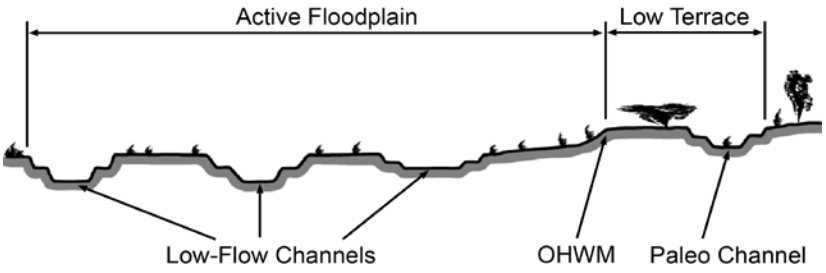
Brief site description: The East Highline Canal bisects the western portion of the Study Area, and the Study Area is bordered by a railroad right-of-way to the northeast. The portion of the site that is southwest of the canal consists of undeveloped land that was historically used for agriculture. The portion of the site that is northeast of the canal is comprised of a drainage system and associated wetland and riparian habitats. Wetland habitat lines both sides of the East Highline Canal.

Checklist of resources (if available):

- [x] Aerial photography
  Dates: 1953- 2015
- [x] Topographic maps
- [ ] Geologic maps
- [x] Vegetation maps
- [x] Soils maps
- [x] Rainfall/precipitation maps
- [ ] Existing delineation(s) for site
- [x] Global positioning system (GPS)
- [ ] Other studies

- [ ] Stream gage data
  Gage number:
  Period of record:
- [ ] History of recent effective discharges
- [ ] Results of flood frequency analysis
- [ ] Most recent shift-adjusted rating
- [ ] Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

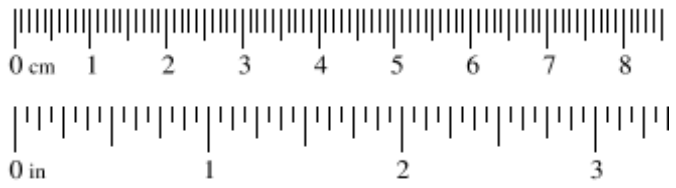


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - [ ] Mapping on aerial photograph
   - [x] GPS
   - [ ] Digitized on computer
   - [ ] Other:

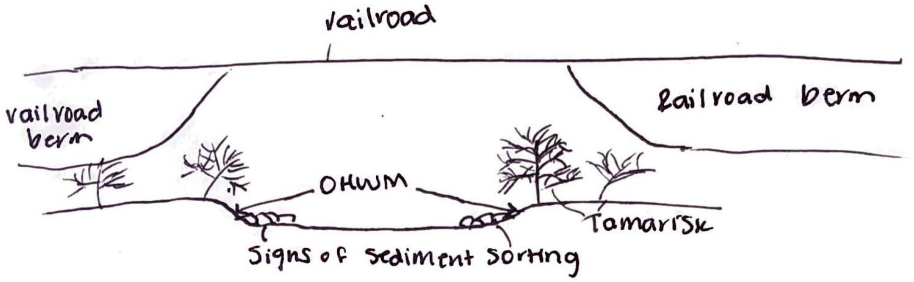
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64	Pebble	
0.157	4	Granule	
0.079	2.00	Very coarse sand	
0.039	1.00	Coarse sand	
0.020	0.50	Medium sand	Sand
1/2 0.0098	0.25	Fine sand	
1/4 0.005	0.125	Very fine sand	
1/8 0.0025	0.0625	Coarse silt	
1/16 0.0012	0.031	Medium silt	
1/32 0.00061	0.0156	Fine silt	Silt
1/64 0.00031	0.0078	Very fine silt	
1/128 0.00015	0.0039	Clay	Mud



Project ID: Vega SES 5 **Cross section ID:** ED-3001 (#200) **Date:** 09/29/2020 **Time:** 10:30 AM

Cross section drawing:



OHWM

GPS point: 33.206767, -115.431705

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Cross section taken adjacent to railroad. Drainage width eventually increases further downstream as feature continues through site.
OHWM: 3' width, 4" depth
B2B: 4' width, 1' depth

Floodplain unit:

- [x] Low-Flow Channel
- [ ] Active Floodplain
- [ ] Low Terrace

GPS point: 33.206767, -115.431705

Characteristics of the floodplain unit:

Average sediment texture: Medium to fine sand
Total veg cover: 10 % Tree: 10 % Shrub: 0 % Herb: 0 %
Community successional stage:

- [ ] NA
- [x] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [x] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [x] Soil development
- [x] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Channel itself is unvegetated. *Tamarix* sp. present on banks of channel. Further downstream there a few scattered individuals of ironwood mixed with tamarisk.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Vega SES 2 City/County: Calipatria/ Imperial County Sampling Date: 11/11/2020

Applicant/Owner: Apex Energy Solutions, LLC. State: CA Sampling Point: 1

Investigator(s): G. Hampton and C. Torres Section, Township, Range: S8, T11S, R15E

Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): None Slope (%): 15

Subregion (LRR): D Lat: 33.229181 Long: -115.424770 Datum: NAD83

Soil Map Unit Name: Rositas fine sand, wet, 0 to 2 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:

Area adjacent to drainages and hard-packed dirt road.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 15')	Absolute % Cover	Dominant Species?	Indicator Status
1. Tamarix sp.	2		FAC
2.			
3.			
4.			
	2	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	
Herb Stratum (Plot size: 15')			
1. Schismus barbatus	5	x	N/A
2. Cryptantha angustifolia	3		N/A
3.			
4.			
5.			
6.			
7.			
8.			
	8	= Total Cover	
Woody Vine Stratum (Plot size: 15')			
1.			
2.			
	0	= Total Cover	

% Bare Ground in Herb Stratum 90 % Cover of Biotic Crust 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	2	x 3 =	6
FACU species	0	x 4 =	0
UPL species	8	x 5 =	40
Column Totals:	10 (A)		46 (B)

Prevalence Index = B/A = 4.6

Hydrophytic Vegetation Indicators:

___ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

Area mainly consists of dead tamarisk- branches and debris.

SOIL

Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 4/3	100					Sandy loa	
3-9	10YR 4/4	100					Loamy sa	
9-13+	10YR 4/4	100					Loamy sa	Rock/gravel deposits in soil.

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ___ **No** ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ✓ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Vega SES 2 City/County: Calipatria/ Imperial County Sampling Date: 11/11/2020

Applicant/Owner: Apex Energy Solutions, LLC. State: CA Sampling Point: 2

Investigator(s): G. Hampton and C. Torres Section, Township, Range: S8, T11S, R15E

Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): None Slope (%): 15

Subregion (LRR): D Lat: 33.230137 Long: -115.425168 Datum: NAD83

Soil Map Unit Name: Rositas fine sand, wet, 0 to 2 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

Area adjacent to drainages and hard-packed dirt road.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 15')	Absolute % Cover	Dominant Species?	Indicator Status
1. Tamarix sp.	3		FAC
2.			
3.			
4.			
	3	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	
Herb Stratum (Plot size: 15')			
1. Schismus barbatus	10	x	N/A
2. Cryptantha angustifolia	2		N/A
3.			
4.			
5.			
6.			
7.			
8.			
	12	= Total Cover	
Woody Vine Stratum (Plot size: 15')			
1.			
2.			
	0	= Total Cover	

% Bare Ground in Herb Stratum 85 % Cover of Biotic Crust 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	3	x 3 =	9
FACU species	0	x 4 =	0
UPL species	12	x 5 =	60
Column Totals:	15 (A)		69 (B)

Prevalence Index = B/A = 4.6

Hydrophytic Vegetation Indicators:

___ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

Area mainly consists of dead tamarisk- branches and debris.

SOIL

Sampling Point: 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-13+	10YR 4/4	100					Loamy sa	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Vega SES 2 City/County: Calipatria/ Imperial County Sampling Date: 11/11/2020

Applicant/Owner: Apex Energy Solutions, LLC. State: CA Sampling Point: 3

Investigator(s): G. Hampton and C. Torres Section, Township, Range: S8, T11S, R15E

Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): Non Slope (%): 15

Subregion (LRR): D Lat: 33.230593 Long: -115.424544 Datum: NAD83

Soil Map Unit Name: Rositas fine sand, wet, 0 to 2 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

Area adjacent to drainages and hard-packed dirt road.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 15')	Absolute % Cover	Dominant Species?	Indicator Status
1. Tamarix sp.	1		FAC
2.			
3.			
4.			
	1	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	
Herb Stratum (Plot size: 15')			
1. Schismus barbatus	7	x	N/A
2. Cryptantha angustifolia	3		N/A
3.			
4.			
5.			
6.			
7.			
8.			
	10	= Total Cover	
Woody Vine Stratum (Plot size: 15')			
1.			
2.			
	0	= Total Cover	

% Bare Ground in Herb Stratum 89 % Cover of Biotic Crust 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	1	x 3 =	3
FACU species	0	x 4 =	0
UPL species	10	x 5 =	50
Column Totals:	11 (A)		53 (B)

Prevalence Index = B/A = 4.8

Hydrophytic Vegetation Indicators:

___ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

Area mainly consists of dead tamarisk- branches and debris.

SOIL

Sampling Point: 3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 4/3	99	5YR 5/8	1	C	M	Silt loam	
3-13+	10YR 4/3	100					Loamy sa	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ **No** ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ **No** ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Vega SES 2 City/County: Calipatria/Imperial County Sampling Date: 11/11/2020

Applicant/Owner: Apex Energy Solutions, LLC. State: CA Sampling Point: 551

Investigator(s): C. Congedo Section, Township, Range: S17, T11S, R15E

Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 8

Subregion (LRR): D Lat: 33.207607 Long: -115.430569 Datum: NAD83

Soil Map Unit Name: Niland gravelly sand, wet NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:

Point taken ~250 feet northeast (upslope) of railroad right-of-way.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 15')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15')			
1. Tamarix sp.	20	x	FAC
2. Suaeda nigra	3		OBL
3.			
4.			
5.			
	23	= Total Cover	
Herb Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0	= Total Cover	
Woody Vine Stratum (Plot size: 15')			
1.			
2.			
	0	= Total Cover	

% Bare Ground in Herb Stratum 77 % Cover of Biotic Crust 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	3	x 1 =	3
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	23 (A)		63 (B)

Prevalence Index = B/A = 2.7

Hydrophytic Vegetation Indicators:

✓ Dominance Test is >50%

✓ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: 551

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 5/4	100					Loamy sa	Fine
6-8+	10YR 5/4	97	Gley 1, 2.5/N	3	C	M	Loamy sa	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ✓ Sediment Deposits (B2) (**Riverine**)
- ✓ Drift Deposits (B3) (**Riverine**)
- ✓ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? **Yes** ✓ **No** _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Vega SES 2 City/County: Calipatria/Imperial County Sampling Date: 11/11/2020

Applicant/Owner: Apex Energy Solutions, LLC. State: CA Sampling Point: 552

Investigator(s): C. Congedo Section, Township, Range: S17, T11S, R15E

Landform (hillslope, terrace, etc.): Alluvial fan Local relief (concave, convex, none): Concave Slope (%): 8

Subregion (LRR): D Lat: 33.207840 Long: -115.431894 Datum: NAD83

Soil Map Unit Name: Niland gravelly sand, wet NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:

Point taken ~110 feet northeast (upslope) of railroad right-of-way.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 15')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15')			
1. Suaeda nigra	5	x	OBL
2.			
3.			
4.			
5.			
	5	= Total Cover	
Herb Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0	= Total Cover	
Woody Vine Stratum (Plot size: 15')			
1.			
2.			
	0	= Total Cover	

% Bare Ground in Herb Stratum 95 % Cover of Biotic Crust 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	5	x 1 =	5
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	5 (A)		5 (B)

Prevalence Index = B/A = 1.0

Hydrophytic Vegetation Indicators:

✓ Dominance Test is >50%

✓ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: 552

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	7.5YR 4/4	100					Silt loam	
4-7	7.5YR 5/4	100					Loamy sa	10% small/medium pebbles
7-10+	7.5YR 4/4	97	5YR 5/8	3	C	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

ATTACHMENT D

Representative Site Photographs

Photo 1. Section of the Coachella Canal adjacent to the Impact Area of Study Area 2; photo facing northwest. November 9, 2020.

Photo 2. View of the railroad right-of-way bordering the southwest portion of Study Area 1. The ED-3001 drainage crosses the railroad via an underpass; photo facing northeast. November 11, 2020.

Photo 3. Evidence of defined bed and bank for ED-3001 within the southern portion of Study Area 1; photo facing southwest. September 30, 2020.

Photo 4. Downstream view of ED-3002 at OHWM Cross Section 102. Drainage associated with Siphon Six within the northwestern portion of Study Area 2; photo facing southwest. November 9, 2020.

Photo 5. Upstream view of ED-3003. Drainage associated with Siphon Five within the northwestern portion of Study Area 2; photo facing north. January 27, 2021.

Photo 6. Upstream view of ED-3004 at OHWM Cross Section 101. Drainage associated with Siphon Five within the northwestern portion of Study Area 3; photo facing east. November 11, 2020.

Photo 7. Example of an ephemeral channel determined to be active due to the presence of two or more OHWM indicators within the northwestern portion of Study Area 3; photo facing east. January 26, 2021.

Photo 8. Example of an ephemeral channel determined to be inactive within the southeastern portion of Study Area 3; photo facing west. January 27, 2021.

Photo 9. View of Sampling Point 552 taken within alkali sink habitat at the southwest portion of Study Area 1 along the railroad tracks; photo facing southeast. November 11, 2020.

Photo 10. View of the riparian habitat associated with ED-3002 near Sampling Point 2 within the northwest portion of Study Area 2; photo facing southeast. November 11, 2020

ATTACHMENT E

USACE ORM Aquatic Resources Table
(Provided as an accompanying electronic file)

ATTACHMENT F

Digital Data
(Provided as accompanying electronic files)