ATTACHMENT H: PRELIMINARY JURISDICTIONAL DELINEATION REPORT

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Preliminary Jurisdictional Delineation Report

for the

Eldorado-Lugo-Mohave Series Capacitor Project

Prepared for:

SOUTHERN CALIFORNIA EDISON®
An *EDISON INTERNATIONAL*® Company

Prepared by:

INSIGNIA ENVIRONMENTAL

March 2017

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF ATTACHMENTS

Attachment A: Hydrologic Region Map
Attachment B: Jurisdictional Delineation Map
Attachment C: Jurisdictional Delineation Survey Results
Attachment D: Drainage Photograph Log
Attachment E: Wetland Delineation Photograph Log
Attachment F: Wetland Delineation Data Forms

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1 – INTRODUCTION

This Preliminary Jurisdictional Delineation Report (Report) presents the results of an assessment of jurisdictional waters for the Southern California Edison Company (SCE) Eldorado-Lugo-Mohave Series Capacitor Project (Proposed Project). This delineation was conducted to determine the waterways within the Proposed Project area that fall within the jurisdictions of the following agencies:

- The United States (U.S.) Army Corps of Engineers (USACE), pursuant to Section 404 of the Clean Water Act (CWA)
- The Regional Water Quality Control Board (RWQCB), pursuant to the Porter-Cologne Water Quality Control Act (California Water Code, Chapter 2, § 13050) or Section 401 of the CWA
- The California Department of Fish and Wildlife (CDFW), pursuant to Section 1600 of the California Fish and Game Code
- The Nevada Division of Environmental Protection (NDEP), Bureau of Water Quality Planning, pursuant to Section 401(a)(1) of the CWA and Nevada Revised Statutes (NRS) 445A.485

This Report provides an overview of the Proposed Project, summarizes the relevant regulations, describes the survey methods utilized, and details the survey results.

2 – PROJECT DESCRIPTION

2.0 PROJECT LOCATION AND SETTING

The Proposed Project is located in southern California and southern Nevada, within the Mojave Basin and Range. It would extend northeast from Lugo Substation (located in San Bernardino County, California) to Mohave Substation (located in Clark County, Nevada), and northwest from Mohave Substation to Eldorado Substation (located in the City of Boulder City, Nevada). Portions of the Proposed Project would also cross through the City of Hesperia in California, as well as the unincorporated communities of Searchlight and Laughlin in Nevada. The majority of the Proposed Project would be constructed within existing SCE easements, fee-owned property, and public franchise areas. SCE would need to acquire approximately 1.5 acres of additional right-of-way (ROW) to construct the proposed Newberry Springs and Ludlow Series Capacitors. As depicted in Figure 1: Proposed Project Overview Map, the Survey Area for this Report is defined as the potential Proposed Project area plus additional buffers around work areas to accommodate potential design changes, and totals approximately 2,511 acres over approximately 240 linear miles.

2.1 PROJECT OVERVIEW

SCE is proposing to construct new mid-line series capacitors and make other improvements to increase capacity and power flow along three existing 500 kilovolt (kV) transmission lines. The

Proposed Project would increase capacity and power flow between SCE's existing Eldorado, Lugo, and Mohave Substations to safely deliver renewable power to the Los Angeles Basin from the Eldorado and Mohave Substations. The Proposed Project includes the following main components:

- Construction of two new 500 kV mid-line series capacitors—the proposed Newberry Springs Series Capacitor and Ludlow Series Capacitor—adjacent to the Eldorado-Lugo and Lugo-Mohave 500 kV Transmission Lines, respectively, near Pisgah Substation in unincorporated San Bernardino County, California

- Installation of up to two dead-end towers adjacent to both the proposed Newberry Springs Series Capacitor and Ludlow Series Capacitor sites to connect to SCE's existing system in unincorporated San Bernardino Country, California

- Correction of 16 overhead clearance discrepancies,[1] involving relocation, replacement, or modification of existing transmission, subtransmission, and distribution facilities including minor grading along the Eldorado-Lugo, Eldorado-Mohave, and Lugo-Mohave 500 kV Transmission Lines within San Bernardino County, California, and Clark County, Nevada

- Installation of distribution facilities in the vicinity of the proposed Newberry Springs Series Capacitor and Ludlow Series Capacitor sites to provide station light and power in unincorporated San Bernardino County, California

- Installation of distribution facilities to provide station light and power to three proposed fiber optic repeater sites in unincorporated San Bernardino County, California

- Installation of telecommunications facilities to connect the Proposed Project to SCE's existing telecommunications system, including the following:

  – Installation of overhead and underground fiber optic cable to connect the proposed Newberry Springs Series Capacitor and Ludlow Series Capacitor, including installation of three fiber optic repeater sites adjacent to the Lugo-Mohave 500 kV Transmission Line ROW, within unincorporated San Bernardino County, California

  – Removal of an existing overhead ground wire, modification of existing towers to support optical ground wire (OPGW), and installation of OPGW and underground fiber optic cable on approximately 235 miles of SCE's existing Eldorado-Mohave and Lugo-Mohave 500 kV Transmission Lines

[1] SCE has defined "discrepancies" as potential clearance problems between an energized conductor and its surroundings, such as the structure, another energized conductor on the same structure, a different line, or the ground. SCE has identified approximately 16 discrepancies along the Eldorado-Lugo, Eldorado-Mohave, and Lugo-Mohave 500 kV Transmission Lines where minor grading or relocation, replacement, or modification of transmission, subtransmission, or distribution facilities are needed to address California Public Utilities Commission (CPUC) General Order (G.O.) 95 and National Electrical Safety Code overhead clearance requirements.

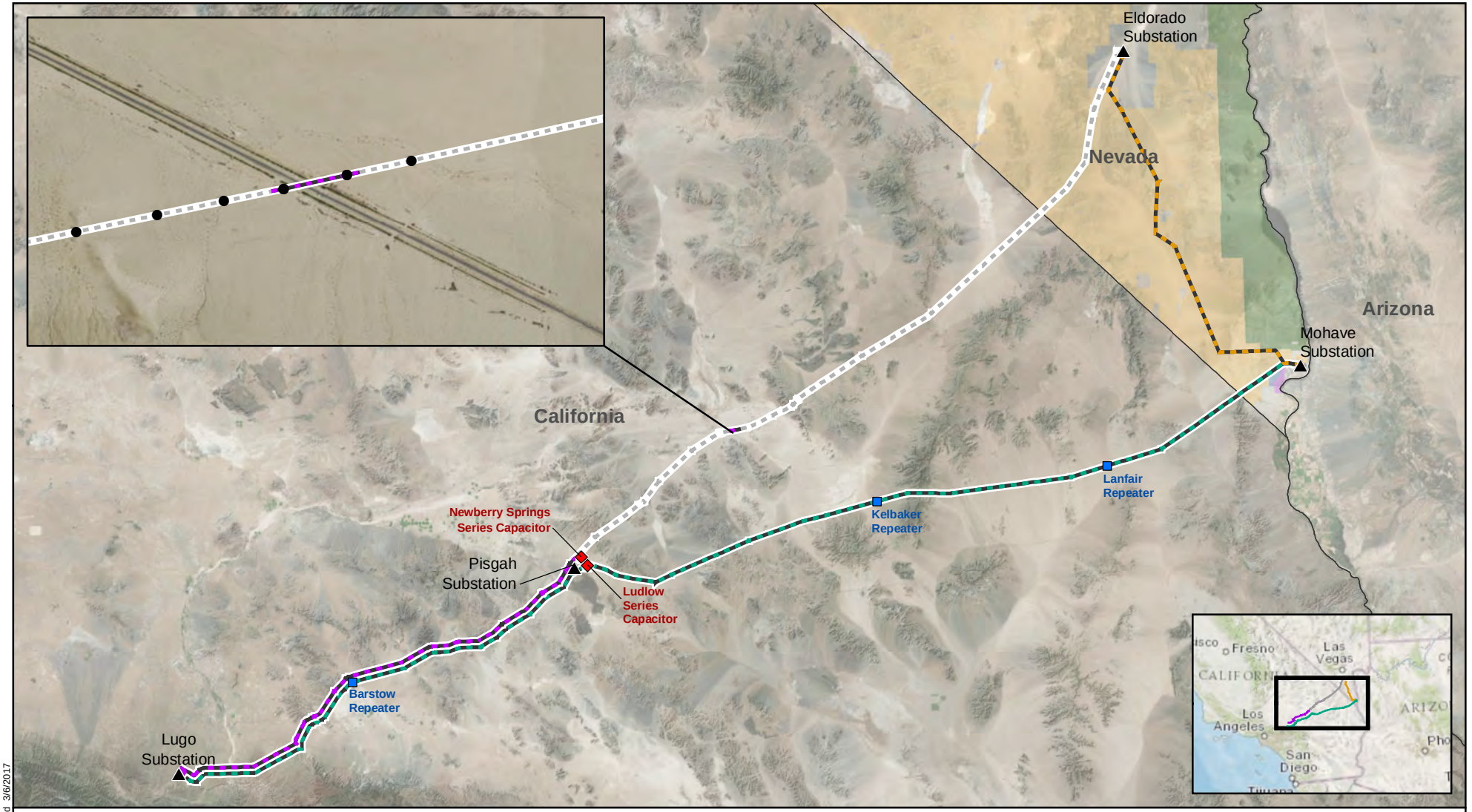

Figure 1: Proposed Project Overview Map **Eldorado-Lugo-Mohave Series Capacitor Project**

- Substation
- Mid-Line Capacitor Location
- Fiber Optic Repeater Location
- Eldorado - Lugo 500 kV Transmission Line
- Eldorado - Mohave 500 kV Transmission Line
- Lugo - Mohave 500 kV Transmission Line
- Transmission Line not part of Proposed Project

Land Administration

- County Park
- Bureau of Reclamation
- Bureau of Land Management
- Military
- National Park Service
- Other State Park

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  - Installation of fiber optic cable within the existing Lugo, Mohave, and Eldorado Substations

- Modifications within the existing Lugo, Mohave, and Eldorado Substations, within San Bernardino County, California; Clark County, Nevada; and the City of Boulder City, Nevada, including the following:

  - Upgrade of the existing mid-line series capacitor banks at Eldorado and Lugo Substations
  - Installation of new terminal equipment at Eldorado, Lugo, and Mohave Substations
  - Replacement of the existing mid-line series capacitor bank at Mohave Substation
  - Removal of two existing tubular steel poles (TSPs) and installation of two new TSPs at Lugo Substation

Construction is scheduled to begin in the third quarter of 2018 and is expected to take approximately 21 months to complete. SCE is required to comply with CPUC G.O. 131-D, and is seeking a Permit to Construct (PTC) from the CPUC for the Proposed Project. Federal authorizations would also be required because a majority of the land in the vicinity of the Proposed Project is under the jurisdiction of the Bureau of Land Management (BLM), National Park Service, and Department of Defense.

It is anticipated that the BLM would serve as the lead federal agency for the Proposed Project under the National Environmental Policy Act because the Proposed Project would require a new ROW Grant and the majority of lands where the Proposed Project is located are BLM-administered. If the BLM determines that the authorization for the construction and operation of the Proposed Project "may affect" species listed under the federal Endangered Species Act, the lead federal agency would be expected to engage in Section 7 consultation with the U.S. Fish and Wildlife Service (USFWS) regarding the effects to listed species. Cultural resources consultation under Section 106 of the National Historic Preservation Act would also be required. In addition to the PTC and the ROW Grant, SCE would obtain all required permits for the Proposed Project from federal, State, and local agencies prior to construction.

3 – REGULATORY BACKGROUND

3.0 UNITED STATES ARMY CORPS OF ENGINEERS

3.0.0 Section 404 of the Clean Water Act

Under Section 404 of the CWA, the USACE has jurisdiction over waters of the U.S. The purpose of the CWA is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." The USACE has regulatory authority to issue permits for the discharge of dredged or fill material in waters of the U.S., according to Title 33, Section 1344 of the U.S. Code. The USACE issues site-specific individual or general permits (i.e., Nationwide Permits) for such discharges. The Proposed Project qualifies for coverage under Nationwide Permit 12 for Utility Line Activities and is under the jurisdiction of the USACE's Los Angeles District.

On June 29, 2015, the USACE and the U.S. Environmental Protection Agency (EPA) issued *The Clean Water Rule: Definition of Waters of the United States* (CWR), revising the definition of waters of the U.S. (USACE and EPA 2015). The CWR became effective on August 27, 2015. Subsequently on October 9, 2015, the U.S. Court of Appeals for the Sixth Circuit stayed the CWR nationwide pending further action of the court. The EPA and the Department of the Army are currently in full compliance with the stay.

The EPA and USACE are currently upholding regulations defining the term "waters of the U.S." prior to the CWR. Those regulations are implemented because they were introduced prior to August 27, 2015 by applying relevant case law, applicable policy, and the best science and technical data on a case-by-case basis to determine which waters are protected by the CWA.

"Waters of the U.S." are defined in Title 33, Section 328.3(a) of the Code of Federal Regulations (CFR) as follows (USACE and EPA 2015):

1. All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters subject to the ebb and flow of the tide

2. All interstate waters and wetlands

3. All other waters—such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds—that the use, degradation, or destruction of which could affect interstate or foreign commerce, and that includes any of the following waters:

   – Waters which are or could be used by interstate or foreign travelers for recreational or other purposes
   – Waters from which fish or shellfish are or could be taken and sold in interstate or foreign commerce
   – Waters which are used or could be used for industrial purposes by industries in interstate commerce

4. All impoundments of waters otherwise defined as waters of the U.S.

5. Tributaries of waters identified in 1 through 4

6. The territorial seas

7. Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in 1 through 6

Two U.S. Supreme Court cases—*Solid Waste Agency of Northern Cook County v. USACE* (SWANCC), and *Rapanos v. U.S.* (Rapanos)—decided in 2001 and 2006, respectively, redefined the USACE jurisdiction within the parameters of the CWA. As a result of these court cases, the EPA and the USACE issued a joint memorandum addressing guidance on determining jurisdiction of waters of the U.S. (USACE and EPA 2008). The memorandum, which intended to

address rulings in the SWANCC case and the Rapanos case, states that the agencies will assert jurisdiction over the following waters:

- Traditional navigable waters (TNWs)
- Wetlands adjacent to TNWs
- Non-navigable tributaries of TNWs that are relatively permanent where the tributaries typically flow year-round or have continuous flow at least seasonally (e.g., typically three months)
- Wetlands that directly abut such tributaries

The agencies will decide jurisdiction over the following waters based on a fact-specific analysis to determine whether they have a significant nexus with a TNW:

- Non-navigable tributaries that are not relatively permanent
- Wetlands adjacent to non-navigable tributaries that are not relatively permanent
- Wetlands adjacent to, but that do not directly abut, a non-navigable tributary that is relatively permanent

A significant nexus analysis will be conducted once the areas of impact are known. A significant nexus analysis will be used to assess jurisdiction over non-navigable and non-relatively permanent tributaries and their adjacent wetlands. The analysis will evaluate the flow characteristics and functions of the tributaries, as well as the functions performed by all wetlands adjacent to such tributaries to determine if they significantly affect the chemical, physical, and biological integrity of downstream TNWs. The significant nexus analysis will include consideration of the following hydrologic factors:

- Proximity to the TNW
- Size of the watershed
- Volume, duration, and frequency of flow
- Average rainfall
- Average annual snow pack

The significant nexus analysis will include consideration of ecological factors, including a tributary's potential to carry pollutants and flood waters to TNWs and the adjacent wetlands' potential to trap and filter pollutants or store flood waters.

Title 33, Section 328.3(b) of the CFR defines wetlands as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." Three parameters—hydrophytic vegetation, hydric soils, and wetland

hydrology[2]—must be present to classify an area as a USACE-jurisdictional wetland under normal circumstances.

The limits of USACE jurisdiction are as follows:

1. Territorial Seas: The limit of jurisdiction in the territorial seas is measured from the baseline in a seaward direction for a distance of 3 nautical miles (33 CFR § 329.12)
2. Tidal Waters of the U.S.: The landward limits of jurisdiction in tidal waters extend to the following:

   - The high tide line
   - The limits as identified in non-tidal waters of the U.S. when adjacent to non-tidal waters of the U.S.

3. Non-Tidal Waters of the U.S.: The limits of jurisdiction in non-tidal waters extend to the following:

   - The ordinary high water mark (OHWM) in the absence of adjacent wetlands
   - Beyond the OHWM to the limit of adjacent wetlands when such wetlands are present
   - The limit of the wetland when the waters of the U.S. consist only of wetlands

The application of EPA and USACE guidance results in a formalized oversight process involving both agencies in the adoption of approved jurisdictional determinations (AJDs). The intent of this formal process is to ensure consistency in how the agencies interpret the rulings and guidance at all levels. The USACE issued Regulatory Guidance Letter No. 08-02 on the subject of jurisdictional determinations (USACE 2008c) to institute the program by which jurisdictional determinations are made. This guidance creates a distinction between an applicant's request for a preliminary jurisdictional determination (PJD) and an AJD. If an applicant pursues a PJD, the determination will be inclusive of all features that have historically been regulated by the USACE under Section 404 of the CWA and Sections 9 and 10 of the Rivers and Harbors Appropriation Act of 1899 (i.e., prior to the SWANCC and Rapanos cases). A PJD excludes exempted jurisdictional waters, but not those excluded by court ruling interpretations. An AJD provides a more thorough evaluation of issues of isolation, adjacency, and significant nexus as contemplated by the courts; and excludes from USACE regulation any areas that fail to meet the necessary litmus tests of the court decision and the agencies' implementation guidance. It is anticipated that SCE would pursue a PJD for the Proposed Project.

3.0.1 Rivers and Harbors Appropriation Act of 1899

Under Section 10 of the Rivers and Harbors Appropriation Act of 1899, the USACE has jurisdiction over navigable waters of the U.S. to the historic limit of mean high water. Section 10 requires that a permit must be obtained from the USACE for activities in navigable waters that involve excavating, filling, dredging, or construction or placement of an obstruction in or to a

[2] Hydrophytic vegetation, hydric soils, and wetland hydrology are defined in Section 4.1.1 Wetlands Mapping of this Report.

navigable waterbody. Section 10 jurisdiction extends to the entire surface and bed of all waterbodies subject to tidal action (33 CFR § 329.12[b]).

3.1 REGIONAL WATER QUALITY CONTROL BOARD

3.1.0 Section 401 of the Clean Water Act

While the USACE administers permitting programs that authorize impacts to waters of the U.S., any USACE permit authorized for a proposed project will be invalid unless the RWQCB has issued a project-specific water quality certification or waiver of water quality. A water quality certification requires a finding by the RWQCB that the activities permitted by the USACE will not violate water quality standards individually or cumulatively over the term of the issued USACE permit. The Proposed Project is under the jurisdiction of the Colorado River RWQCB.

3.1.1 Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act (California Water Code § 13260) requires "any person discharging waste, or proposing to discharge waste, within any region that could affect the waters of the State to file a report of discharge" with the RWQCB through an application for waste discharge (California Water Code § 13260[a][1]) (RWQCB 2016). The term "waters of the State" is defined as any surface water or groundwater, including saline waters, within the boundaries of the State (California Water Code § 13050[e]). Pursuant to the Porter-Cologne Water Quality Control Act, the RWQCB also regulates "isolated wetlands," or those wetlands considered to be outside of the USACE's jurisdiction, pursuant to the SWANCC decision.

The RWQCB generally considers filling in waters of the State to be pollution. Pollution is defined as an alteration of the quality of the waters of the State by waste that unreasonably affects its beneficial uses (California Water Code § 13050[1]). To determine whether a project should be regulated pursuant to the Porter-Cologne Water Quality Control Act, the RWQCB's litmus test is if the action could result in any threat to water quality.

3.2 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

3.2.0 California Fish and Game Code Sections 1601 through 1606

Sections 1601 through 1606 of the California Fish and Game Code require that a Notification of Lake or Streambed Alteration Agreement application must be submitted to the CDFW 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." The CDFW reviews the proposed actions and, if necessary, submits to the applicant a proposal that includes measures to protect affected fish and wildlife resources. A Lake or Streambed Alteration Agreement is the final proposal that is mutually agreed upon by the CDFW and the applicant.

Generally, the CDFW-jurisdictional boundaries are broader than the USACE-jurisdictional boundaries and include the following:

- Rivers/streams
- Lakes
- Entire floodplains

- Wetlands associated with rivers, streams, lakes, or wildlife resources
- Artificial drainage ditches in some circumstances

The CDFW's jurisdiction includes the following:

- A drainage with a definable bed, bank, or channel with the jurisdictional limit being the top-of-bank

- Areas that support periodic or intermittent flows, perennial flows, or subsurface flows; support fish or other aquatic life; or support riparian or hydrophytic vegetation in association with a streambed

- Areas that simply have a hydrologic source and/or terminus

3.3 NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION

3.3.0 Section 401 of the Clean Water Act

NDEP regulates activities in waters of the State of Nevada—including wetlands—through Section 401 of the CWA (NDEP 2016). While the USACE administers permitting programs that authorize impacts to waters of the U.S., any USACE permit authorized for a proposed project will be invalid unless the NDEP has issued a project-specific water quality certification or waiver of water quality. A water quality certification requires a finding by NDEP that the activities permitted by the USACE will not violate water quality standards individually or cumulatively over the term of the issued USACE permit.

3.3.1 Nevada Revised Statute 445A

The NDEP Bureau of Water Pollution Control's (BWPC's) Permits Branch issues and renews discharge permits, which define the quality of the discharge necessary to protect the waters of the State. Waters of the State are defined in NRS 445A.415 as "all waters situated wholly or partly within or bordering upon this State, including but not limited to:

1. All streams, lakes, ponds, impounding reservoirs, marshes, water courses, waterways, wells, springs, irrigation systems and drainage systems; and
2. All bodies or accumulations of water, surface and underground, natural or artificial."

Depending on the types of regulated discharges, the duration, and the waters that may potentially be impacted, the BWPC may issue individual, general, or temporary permits. Individual permits are issued by the BWPC in consideration of the following types of waters:

- Discharges to surface waterbodies are permitted under the National Pollutant Discharge Elimination System (NPDES) program pursuant to Section 402 of the federal CWA as amended and the State of Nevada Water Pollution Control Law (NRS 445A.300-445A.730)

- Discharges that may impact subsurface waters, and other waters of the State that are not covered under the NPDES permits, are permitted pursuant to the Water Pollution Control Law and referred to as the State's Water Pollution Control permits

- Injections of fluids underground for storage or disposal, as authorized pursuant to Section 1422 of the Safe Drinking Water Act and the State Water Pollution Control Law, are permitted under the Underground Injection Control Program.

4 – METHODOLOGY OVERVIEW

4.0 LITERATURE REVIEW

Before conducting the jurisdictional delineation, Insignia Environmental (Insignia) biologists reviewed the following resources:

- U.S. Geological Survey (USGS) National Hydrography Dataset (USGS 2016a)
- USFWS National Wetland Inventory maps (USFWS 2016)
- Color aerial photographs (both recent and past) of the Survey Area and the surrounding area
- U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) soil series descriptions (NRCS 2016a)
- NRCS Web Soil Survey data (NRCS 2016b), which list hydric soils[3] found within the Survey Area

4.1 JURISDICTIONAL DELINEATION

This Report has been prepared in compliance with the USACE's *Minimum Standards for Acceptance for Preliminary Delineations* (USACE 2001b) and *Final Map and Drawing Standards for the South Pacific Division Regulatory Program* (USACE 2012).

The jurisdictional delineation within the Survey Area was conducted from April 18 through May 3, 2016 by Insignia biologists Adam Hamburg, Angelina Robinson, Angie Salonikios, Eli Bernstein, Karen Edwards, Makela Mangrich, Nick Wagner, Sheryl Creer, and Timothy Sullivan.

For this Report, all potential waters of the U.S. were assumed to have a significant nexus. Once areas of disturbance have been identified, potential waters of the U.S. will be evaluated using aerial imagery to identify their significant nexus to on-site and off-site TNWs and relatively permanent waters, as defined by the CWR. Wetlands adjacent to, but that do not directly abut a relatively permanent, non-navigable tributary were also mapped as potentially jurisdictional waters.

4.1.0 Drainage Mapping

Insignia biologists used guidance from *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States* (USACE 2008a) to determine the location and size of drainages potentially under the jurisdiction of the USACE, RWQCB, and NDEP. Man-made features that convey water (e.g., culverts, canals, ditches) were included in the survey. The overall landforms, slopes, and climatic and hydrologic conditions

[3] Hydric soils are defined in Section 4.1.1 Wetlands Mapping of this Report.

were also assessed. Photographs were taken for each drainage feature to record downstream and upstream conditions, as well as OHWM indicators. Evidence supporting the delineation of each potentially jurisdictional drainage feature was recorded using electronic data forms.

Top-of-bank (TOB) measurements were noted for each drainage to assess the areas that may be CDFW-jurisdictional under Section 1600 of the California Fish and Game Code. Riparian vegetation that exhibited a continuous canopy associated with the drainages was mapped as CDFW riparian vegetation using submeter-accurate Global Positioning System (GPS) units.

4.1.1 Wetlands Mapping

The wetland boundaries were mapped according to the USACE's *Wetlands Delineation Manual* (Environmental Laboratory 1987) in conjunction with the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (*Version 2.0*) (USACE 2008b). No minimum mapping unit for potential wetland areas was established; all potential wetlands were mapped. This was accomplished using submeter-accurate GPS data to demarcate the boundary between upland and potential wetland areas.

For an area to be defined as a wetland under normal circumstances, the USACE's routine, on-site determination methods call for the presence of hydrophytic vegetation, hydric soils, and wetland hydrology. Each of these parameters is discussed in the subsections that follow.

Hydrophytic Vegetation

Hydrophytic vegetation is defined as "the community of macrophytes that occurs in areas where inundation and soil saturation is either permanent, or of sufficient frequency and duration to exert a controlling influence on the plant species present" (USACE 2008b). Hydrophytic vegetation is determined to be present when the plant community is dominated by species that can tolerate prolonged inundations or soil saturation during the growing season. The *Arid West 2014 Regional Wetland Plant List* (Lichvar et al. 2014) provides a wetland indicator status for all hydrophytic plant species in the U.S. The wetland indicator status predicts a plant's likelihood to occur in wetlands, and is defined as follows:

- Obligate Plant (OBL): A plant that almost always occurs in wetlands
- Facultative Wetland Plant (FACW): A plant that usually occurs in wetlands, but may occur in non-wetlands
- Facultative Plant (FAC): A plant that occurs in wetlands and non-wetlands
- Facultative Upland Plant (FACU): A plant that usually occurs in non-wetlands, but may occur in wetlands
- Upland Plant (UPL): A plant that almost never occurs in wetlands

At each sample point, biologists visually estimated absolute percent cover of plant species that could potentially be a dominate hydrophyte. Vegetation observed in potential wetlands was keyed to species. The wetland indicator status (i.e., OBL, FACW, FAC, FACU, and UPL) of the species was recorded. For species not on *The National Wetland Plant List: 2014 Update of Wetland Ratings* (Lichvar et al. 2014), the indicator status was assumed to be UPL. As described in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West*

Region (*Version 2.0*) (USACE 2008b), hydrophytic vegetation was determined to be present if any one of the following indicator tests was satisfied:

- Dominance Test (Indicator 1): More than 50 percent of the dominant plant species across all strata are rated OBL, FACW, or FAC.

- Prevalence Test (Indicator 2): The prevalence index is 3.0 or less. The prevalence index is a weighted-average wetland indicator status of all plant species in the sampling plot, where each indicator status category is given a numeric code (OBL = 1, FACW = 2, FAC = 3, FACU = 4, and UPL = 5) and weighting is by abundance (absolute percent cover).

- Morphological Adaptations (Indicator 3): The plant community passes either the dominance test (Indicator 1) or the prevalence test (Indicator 2) after reconsideration of the indicator status of certain plant species that exhibit morphological adaptations for life in wetlands

If all three indicators for hydrophytic vegetation fail where indicators of hydric soil and wetland hydrology are present, procedures described in the Problematic Hydrophytic Vegetation section of the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (*Version 2.0*) (USACE 2008b) can be used to assess hydrophytic vegetation.

Hydric Soils

Hydric soils are defined as "a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part" (USACE 2008b). Characteristic field indicators of hydric soils include the following:

- Presence of a histic epipedon
- Presence of sulfidic material
- Presence of an aquic or peraquic moisture regime
- Reducing soil conditions
- Soil color (including gleyed soils or soils with a low matrix chroma, with or without bright mottles)
- Iron or manganese concretions
- Soils listed as hydric by the NRCS

The presence of hydric soils was determined using the indicators described in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (*Version 2.0*) (USACE 2008b) and the *2013 Pocket Guide to Hydric Soil Field Indicators* (Wetland Training Institute 2013). Soils data was compared to the NRCS Web Soil Survey (NRCS 2016b). A total of two soil test pits were dug to the depth necessary to establish the presence or absence of hydric soil indicators. The soil chroma index and texture were recorded for each soil horizon. The soil chroma index was determined using the Munsell Soil Color Charts (Munsell Color 2000), and soils information was compared with the NRCS Web Soil Survey data (NRCS 2016b).

Wetland Hydrology

Wetland hydrology is indicated by an area that is inundated or saturated for a period long enough to create anaerobic vegetation and soil conditions during the growing season (USACE 2008b). Primary field indicators of wetland hydrology are described in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (*Version 2.0*) (USACE 2008b) and include surface water, high water table, soil saturation, water marks, sediment deposits, drift deposits, surface soil cracks, biotic crust, oxidized rhizospheres along living roots, presence of reduced iron, and water-stained leaves, among others. Secondary indicators include, but are not limited to, water marks, sediment deposits, drift deposits, and drainage patterns. Wetland hydrology was determined to be present if one or more primary indicators or two or more secondary indicators were observed.

4.1.2 Data Collection

All potential wetlands and waters of the U.S. were mapped using a Trimble GPS unit with submeter accuracy. Photographs were also taken at each sample point. A data dictionary within the GPS software ensured consistent data collection in the field. All spatial data was collected in the World Geodetic System 1984 coordinate system. Descriptions of each data feature were recorded using electronic data forms with customized data sheets.

5 – RESULTS

5.0 ENVIRONMENTAL SETTING

The Survey Area is located within the Mojave Desert and the Desert Mountains Floristic Province (Jepson eFlora 2016) and ranges in elevation from 700 to 4,700 feet above mean sea level. The Survey Area includes a large number of diverse upland, riparian, and wetland vegetation communities, along with a few developed areas. From 1948 to 2001, the Mojave Desert received an average annual precipitation of approximately 5.87 inches with average temperatures ranging from 49.4 to 75.8 degrees Fahrenheit (Desert Research Institute 2016). Winter precipitation from October through April accounts for 82 percent of the annual total (USGS 2016b). The topography, hydrology, vegetation, and soil units located in the Survey Area are summarized in the subsections that follow.

5.0.0 Topography and Hydrology

The Survey Area includes approximately 2,511 acres over approximately 240 linear miles within San Bernardino County, California and Clark County, Nevada. The USGS Hydrologic Unit designations within the Proposed Project are broken into a hierarchy of increasing specificity and are named by a Hydrologic Unit Code. From least to most specific, the designated hierarchy is as follows: Hydrological Region (HR), Hydrological Basin (HB), and Hydrological Watershed (HW). As described by the USGS, HRs divide the continental United States into areas containing the drainage area of a major river. HBs subdivide many of the subregions into accounting units. These units are encompassed within, or can be equivalent to the subregions. HWs are part of a surface drainage basin, a combination of drainage basins, or a distinct hydrologic feature. These units are the smallest division of accounting unit and subdivide the subregions and accounting units into smaller areas (USGS 2016c).

The Survey Area transverses the Great Basin, Lower Colorado, and California HRs. Within the Survey Area, the HRs are divided into five HBs and twenty-eight HWs. Attachment A: Hydrologic Region Map depicts the HRs, HBs, and HWs that fall within the Survey Area. Table 1: Hydrological Regions, Basins, and Watersheds within the Survey Area lists the USGS HRs, HBs, and HWs that fall within the Survey Area and their corresponding Hydrologic Unit Codes.

The Survey Area crosses the following 13 named waterbodies:

- Argos Wash
- Black Canyon Wash
- Broadwell Wash
- Budweiser Wash
- Cottonwood Wash
- Governor Edmund G. Brown East Branch California Aqueduct
- Kelso Wash
- Mojave River
- Piute Wash
- Watson Wash
- Willow Wash
- Winston Wash
- Woods Wash

The Survey Area also crosses 509 unnamed creeks, drainages, and wetlands, as described in Section 5.1 Wetland and Water Features. Erosional features and man-made conveyance channels (e.g., roadside ditches) also convey water through the Survey Area. Natural hydrologic sources within the Survey Area include groundwater, snowmelt, precipitation, and surface runoff from adjacent uplands.

5.0.1 Vegetation Communities

The vegetation communities observed within the Survey Area include a diversity of upland, desert, riparian, wetland, and developed vegetation communities. The following 37 vegetation alliances and land covers were identified during the survey, as described in Section 4.0: Vegetation Communities of the *Special-Status Plant Species Survey Report for the Eldorado-Lugo-Mohave Series Capacitor Project* (Insignia 2016):

- *Juniperus californica* woodland alliance
- *Psorothamnus spinosus* woodland alliance
- *Salix exigua* woodland alliance
- *Yucca brevifolia* woodland alliance
- *Acacia greggii* shrubland alliance
- *Adenostoma fasciculatum* shrubland alliance
- *Ambrosia dumosa* shrubland alliance
- *Ambrosia salsola* shrubland alliance
- *Atriplex confertifolia* shrubland alliance
- *Atriplex polycarpa* shrubland alliance

Table 1: Hydrological Regions, Basins, and Watersheds within the Survey Area

Hydrological Regions	Hydrological Basins	Hydrological Watersheds
Lower Colorado Region (15)	Havasu – Mohave Lakes (15030101)	Silver Creek Wash – Colorado River (1503010103)
		Colorado River – Lake Mohave (1503010102)
	Piute Wash (15030102)	Upper Piute Wash (1503010201)
		Sacramento Wash (1503010202)
		Lower Piute Wash (1503010203)
Great Basin Region (16)	Ivanpah – Pahrump Valleys (16060015)	Town of Ivanpah – Frontal Ivanpah Lake (1606001512)
		McCullough Spring (1606001516)
		Ora Hanna Spring (1606001517)
California Region (18)	Mojave (18090208)	Deep Creek (1809020801)
		Bell Mountain Wash – Mojave River (1809020807)
		Troy Lake (1809020813)
		Manix Wash – Mojave River (1809020814)
		Broadwell Lake (1809020816)
		Devils Playground Wash (1809020818)
		Upper Kelso Wash (1809020819)
		Lower Kelso Wash (1809020820)
		Crucero Hill (1809020821)
		Halloran Wash (1809020824)
		Soda Lake (1809020825)
	Southern Mojave (18100100)	North Lucerne Valley (1810010001)
		Ericksen Dry Lake (1810010002)
		Crystal Creek – Lucerne Lake (1810010004)
		Silver Creek – Rabbit Lake (1810010005)
		Iron Ridge – Galway Lake (1810010008)
		Sunshine Peak – Lavic Lake (1810010011)
		Upper Watson Wash (1810010031)
		Clipper Valley Wash (1810010032)
		Lower Watson Wash (1810010033)

Source: USGS 2016d

- *Cercocarpus montanus* shrubland alliance
- *Coleogyne ramosissima* shrubland alliance
- *Cylindropuntia bigelovii* shrubland alliance
- *Encelia* (*actoni, virginensis*) shrubland alliance
- *Encelia farinosa* shrubland alliance
- *Ephedra nevadensis* shrubland alliance
- *Ephedra viridis* shrubland alliance
- *Ericameria cooperi* provisional shrubland alliance
- *Ericameria linearifolia* provisional shrubland alliance
- *Ericameria nauseosa* shrubland alliance
- *Ericameria paniculata* shrubland alliance
- *Eriogonum fasciculatum* shrubland alliance
- *Hyptis emoryi* shrubland alliance
- *Juniperus californica* woodland alliance
- *Larrea tridentata* shrubland alliance
- *Larrea tridentata – Ambrosia dumosa* shrubland alliance
- *Larrea tridentata – Encelia farinosa* shrubland alliance
- *Prunus fasciculata* shrubland alliance
- *Purshia tridentata* shrubland alliance
- *Tamarix* spp. shrubland semi-natural alliance
- *Salazaria mexicana* shrubland alliance
- *Suaeda moquinii* shrubland alliance
- *Yucca schidigera* shrubland alliance
- *Achnatherum speciosum* herbaceous alliance
- *Pleuraphis rigida* herbaceous alliance
- Desert pavement/ barrens
- Developed land

The vegetation classification system that was used conforms to *A Manual of California Vegetation, Second Edition* (Sawyer et al. 2009). A complete list of plant species observed within the Survey Area is provided in Attachment C: Plant Species Observed of the *Special-Status Plant Species Survey Report for the Eldorado-Lugo-Mohave Series Capacitor Project* (Insignia 2016). Nomenclature used for plant names follows *The Jepson Manual: Vascular Plants of California, Second Edition* (Baldwin et al. 2012). Nomenclatural changes made after the publication date of *The Jepson Manual* follow the Jepson eFlora (2016) website.

5.1 WETLAND AND WATER FEATURES

A total of approximately 253.15 acres of potential USACE-, RWQCB-, and NDEP-jurisdictional waters were mapped within the Survey Area. Approximately 297.56 acres of potential CDFW-jurisdictional drainages and riparian areas were mapped within the Survey Area. The potential waters are detailed in Table 2: Potential Jurisdictional Hydrological Features within the Survey Area. Attachment B: Jurisdictional Delineation Map depicts potentially jurisdictional hydrological features with the Survey Area. Attachment C: Jurisdictional Delineation Survey Results lists the unique feature identification number, feature type, OHWM width and depth,

TOB width and depth, and the length and acreage for each feature observed within the Survey Area.

Table 2: Potential Jurisdictional Hydrological Features within the Survey Area

Feature Type	Approximate Potential USACE-, RWQCB-, and NDEP-Jurisdictional Area[4]		Approximate Potential CDFW-Jurisdictional Area[5]	
	Acres	Linear Feet	Acres	Linear Feet
Wetlands	0.24	Not Applicable (N/A)	N/A	N/A
Ephemeral Drainages	245.18	216,501.49	289.39	216,501.49
Intermittent Drainages	7.73	1,682.48	8.15	1,682.48
Perennial Drainages	0.00	0.00	0.00	0.00
Riparian Vegetation	N/A	N/A	0.02	N/A
Total Jurisdictional Area[6]	**253.15**	**218,183.97**	**297.56**	**218,183.97**

5.1.0 USACE-, RWQCB-, and NDEP-Jurisdictional Features

Drainages

Insignia's biologists identified a total of 509 drainages within the Survey Area that are potentially under the jurisdiction of the USACE, RWQCB, and NDEP. Four intermittent drainages totaling approximately 7.73 acres and 505 ephemeral drainages totaling approximately 245.18 acres were observed within the Survey Area. Table 2: Potential Jurisdictional Hydrological Features within the Survey Area summarizes the acreages and linear feet of drainages mapped within the Survey Area by hydrological regime. No perennial drainages were observed during the surveys. Ephemeral drainages are generally considered to be tributaries due their direct or indirect flow into a TNW. Attachment D: Drainage Photograph Log presents upstream and downstream photographs of mapped drainage features and the OHWM. Feature locations for Attachment B: Jurisdictional Delineation Map are listed in Attachment C: Jurisdictional Delineation Survey Results.

Wetlands

Approximately 0.24 acre of potential USACE-, RWQCB-, and NDEP-jurisdictional wetlands were mapped within the Survey Area, as summarized in Table 2: Potential Jurisdictional Hydrological Features within the Survey Area. Attachment E: Wetland Delineation Photograph Log presents photographs taken of soil samples and wetlands during the wetland delineation.

[4] Includes the area within the OHWM for drainages potentially under the jurisdiction of the USACE, RWQCB, and NDEP.

[5] Includes the area between both TOBs in a drainage. This area overlaps with the OHWM for drainages potentially under the jurisdiction of the USACE and RWQCB, but is expanded to include TOBs.

[6] Total jurisdictional areas do not sum due to rounding.

Attachment F: Wetland Delineation Data Forms presents the data forms used in the field to delineate potential wetlands.

5.1.1 CDFW-Jurisdictional Features

Approximately 297.56 acres of potential CDFW-jurisdictional drainages and riparian vegetation were identified pursuant to Section 1600 of the California Fish and Game Code, as summarized in Table 2: Potential Jurisdictional Hydrological Features within the Survey Area.

5.2 SOILS

5.2.0 NRCS Soils

One soil map unit—Arrastre-rock outcrop complex, 30- to 50-percent slopes—was identified within the surveyed potential wetlands using the NRCS Web Soil Survey (NRCS 2016b). The Arrastre series of soils consists of deep, well-drained soils that formed in material weathered from granitic rocks. Arrastre soils are on uplands and have slopes of 30 to 50 percent. The mean annual precipitation is approximately 16 inches and the mean annual temperature is approximately 55 degrees Fahrenheit. The typical pedon for the Arrastre series is sandy loam, and soil colors of a hue of 10 within the yellow/red (10YR) spectrum on the Munsell color chart. The Munsell color system organizes colors into three dimensions: hue (principal color), value (lightness), and chroma (color purity).

5.2.1 Soil Pit Samples

A total of two soil test pits were excavated and sampled by Insignia biologists. One soil pit was identified as being within a wetlands, and the second was identified as being within an upland. The wetland soil samples were generally classified as silty and sandy loam. The hydric soil samples displayed hydrogen sulfide and stratified layers. The data from all soil sampling pits are detailed in Attachment F: Wetland Delineation Data Forms.

Soil matrix colors in the wetland areas were identified in the field as 7.5YR2.5/2 and 2.5Y4/2. Soil colors in the non-hydric, upland soils were preliminarily noted as 7.5YR3/1. No mottling was observed in either sample. The observed soil colors were similar, but did not exactly match the description provided by the NRCS. The Arrastre series is an upland soil type, and the sampled soils were within or adjacent to a delineated wetlands. The small riverine wetland was too localized to be included in the broad NRCS Web Soil Survey, and explains why the observed 7.5YR soil colors failed to match the 10YR soil colors described by the NRCS.

6 – DISCUSSION

Based on the data and analysis provided in this Report, approximately 509 drainages and one wetland are located within the Survey Area for the Proposed Project. Of the hydrological features within the Survey Area, approximately 252.91 acres are ephemeral and intermittent drainages, and approximately 0.24 acre is wetlands that are potentially under the jurisdiction of the USACE, RWQCB, and NDEP pursuant to Sections 404 and 401 of the CWA. Approximately 297.54 acres of potential CDFW-jurisdictional drainages, and approximately 0.02 acre of

potential CDFW-jurisdictional riparian vegetation, pursuant to Section 1600 of the California Fish and Game Code, occur within the Survey Area for the Proposed Project.

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ATTACHMENT A: HYDROLOGIC REGION MAP

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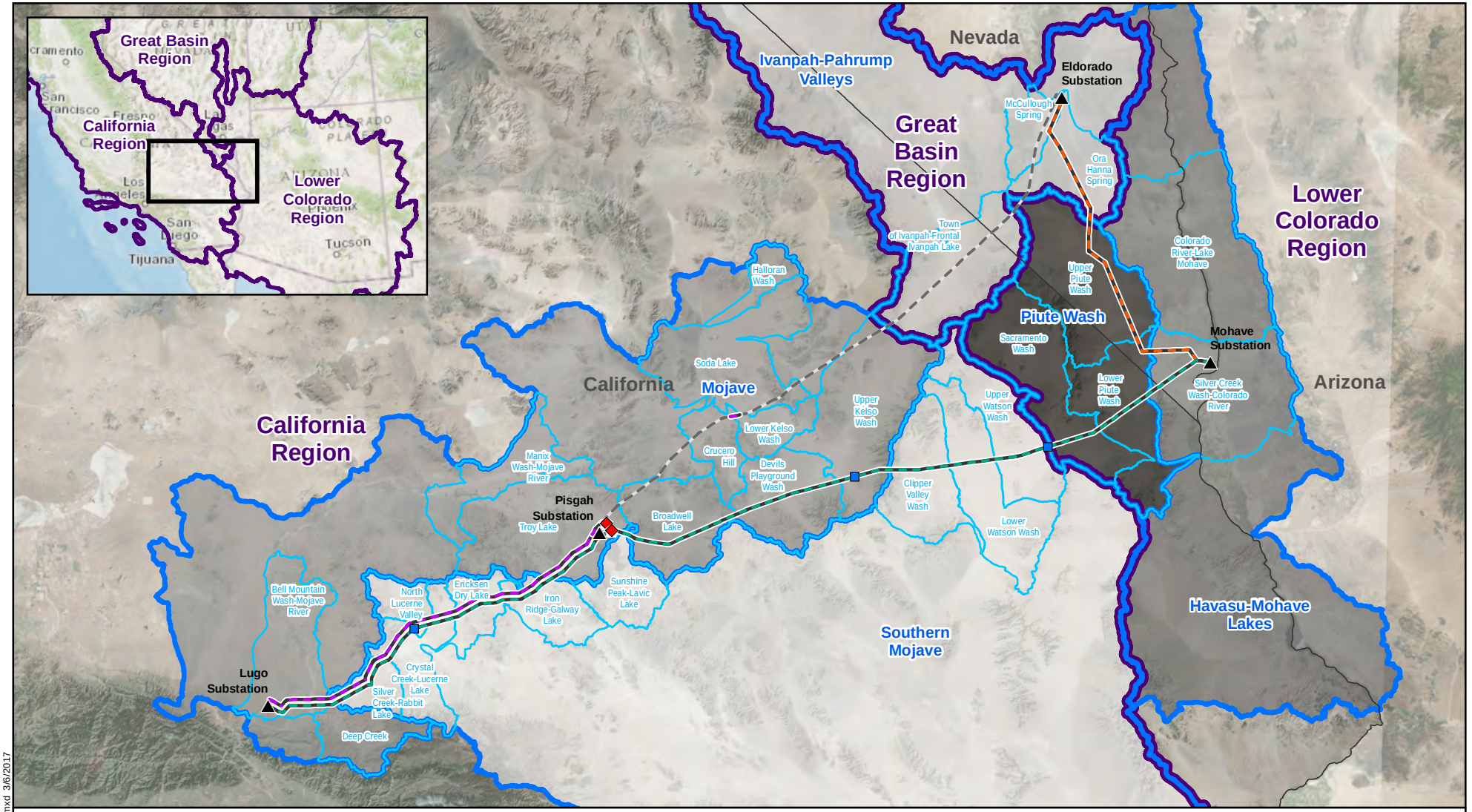

Attachment A: Hydrologic Region Map

Eldorado-Lugo-Mohave Series Capacitor Project

- Existing Substation
- Proposed Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Eldorado - Lugo 500 kV Transmission Line
- Eldorado - Mohave 500 kV Transmission Line
- Lugo - Mohave 500 kV Transmission Line
- Transmission Line not part of Proposed Project
- Hydrological Watershed
- Hydrological Basin
- Hydrological Region

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ATTACHMENT B: JURISDICTIONAL DELINEATION MAP

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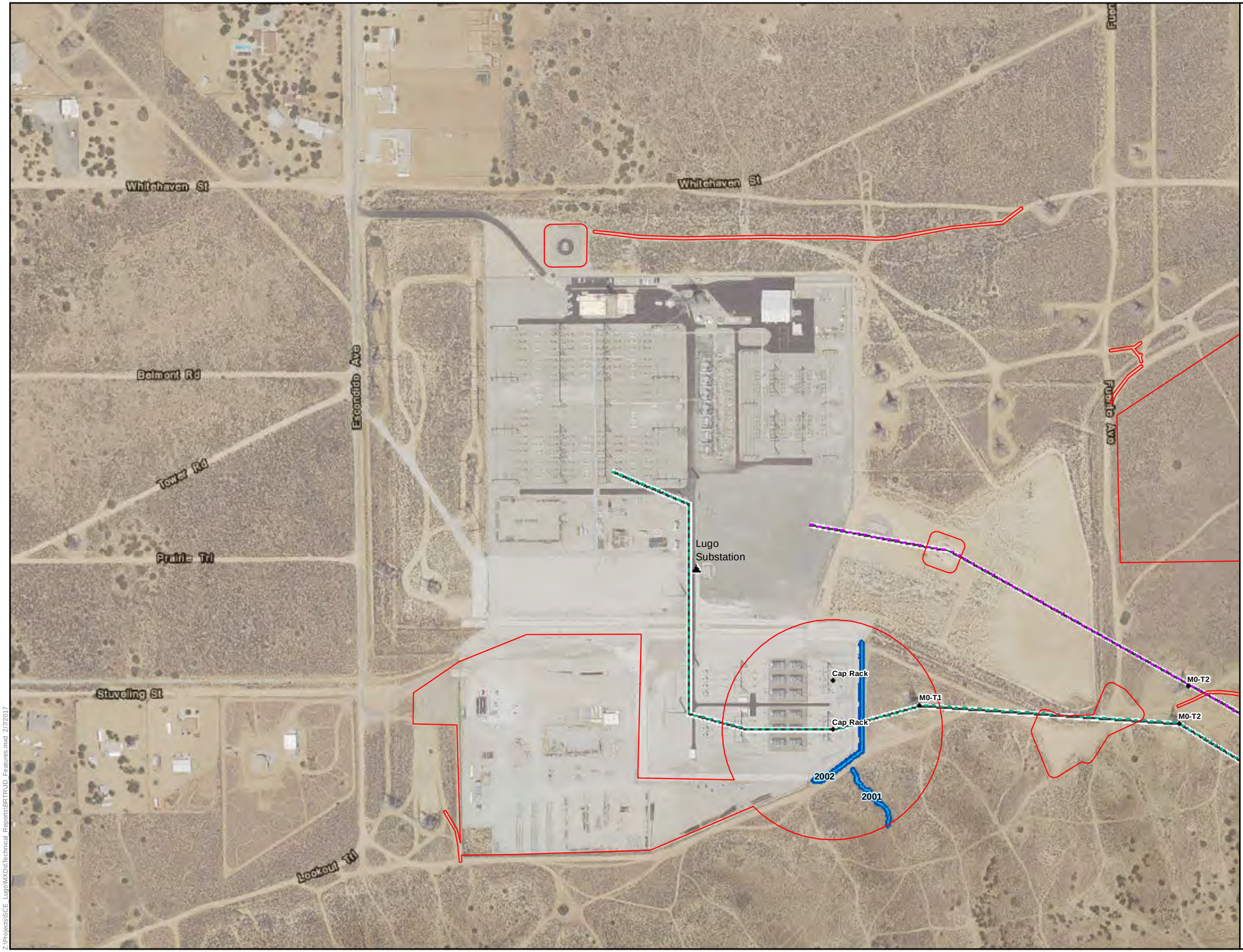
Attachment B:
Jurisdictional Delineation Map
Page 1 of 153

Eldorado-Lugo-Mohave Series Capacitor Project



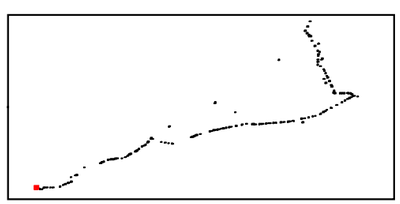
- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
- Eldorado - Lugo 500 kV Transmission Line
- Eldorado - Mohave 500 kV Transmission Line
- Lugo - Mohave 500 kV Transmission Line
- Transmission Line not part of Proposed Project
- Survey Extent

USACE-Jurisdictional Areas

- Drainage (Ordinary High Water Mark)
- Wetland

CDFW-Jurisdictional Areas

- Drainage (Top of Bank)
- Riparian



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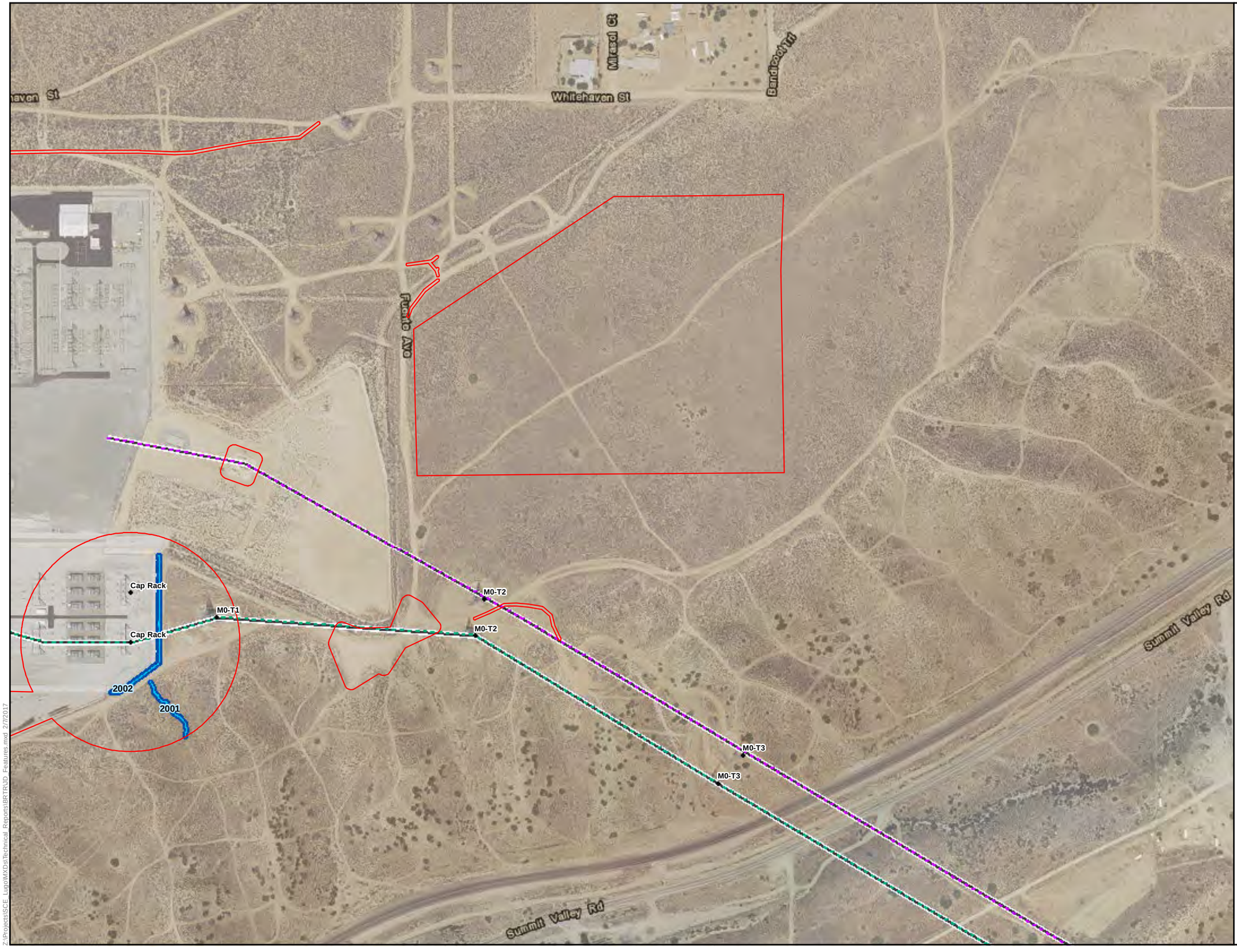
Attachment B:
Jurisdictional Delineation Map
Page 2 of 153

Eldorado-Lugo-Mohave Series Capacitor Project



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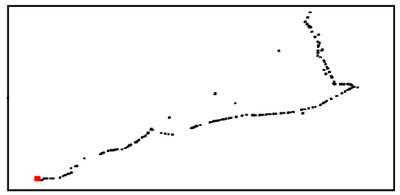

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Attachment B: Jurisdictional Delineation Map Page 3 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
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- Proposed Fiber Optic Repeater Location
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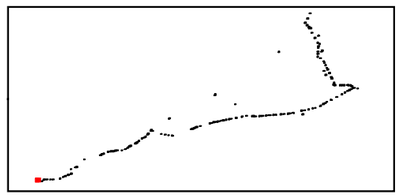

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Attachment B:
Jurisdictional Delineation Map
Page 4 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
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- Structure
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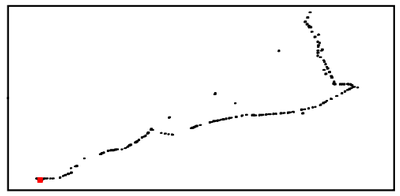

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Source: Insignia, 2016; SCE

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Attachment B:
Jurisdictional Delineation Map
Page 5 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
- Eldorado - Lugo 500 kV Transmission Line
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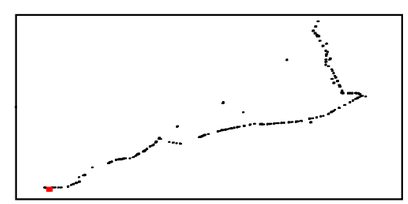

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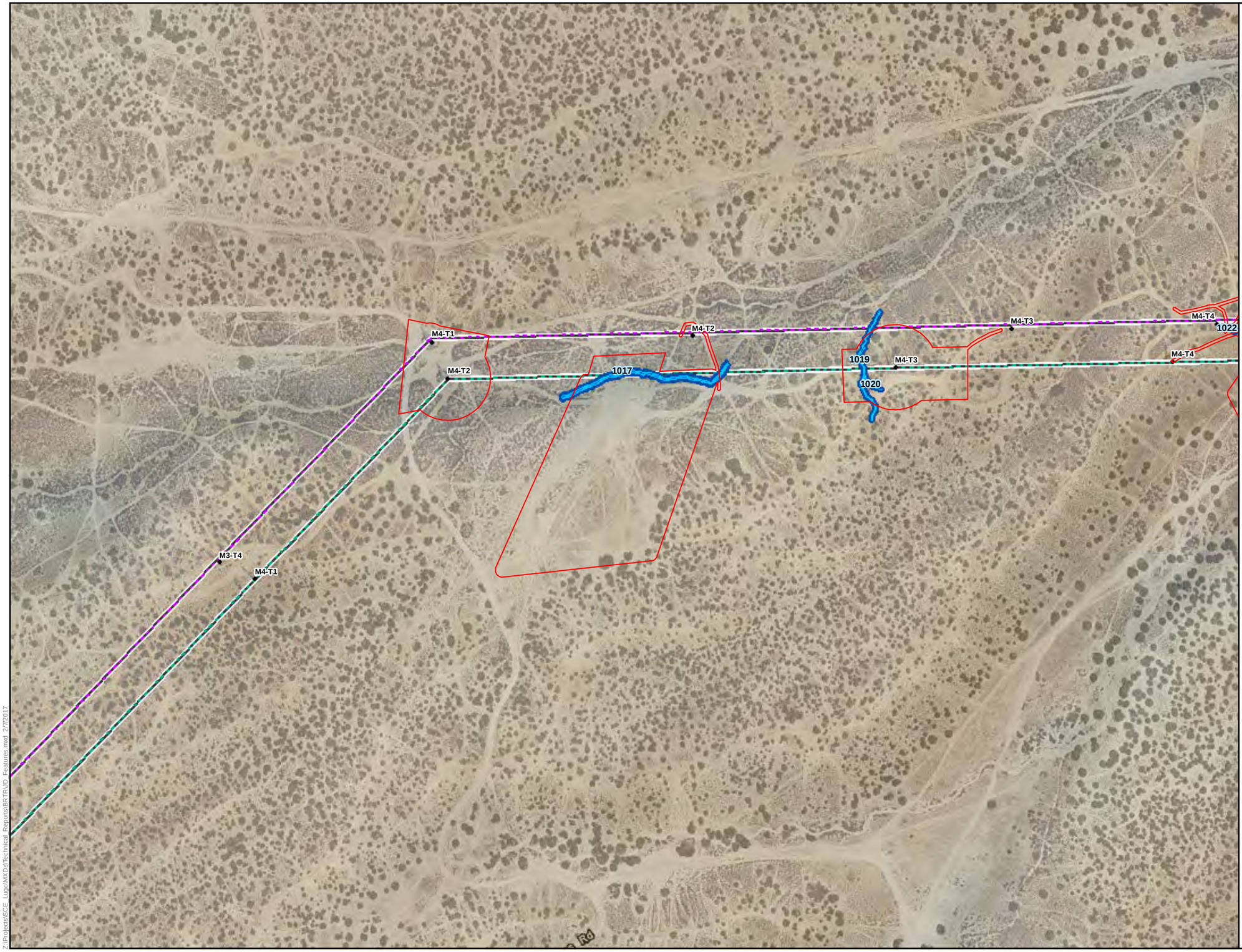
Attachment B:
Jurisdictional Delineation Map
Page 6 of 153

Eldorado-Lugo-Mohave Series Capacitor Project



- Substation
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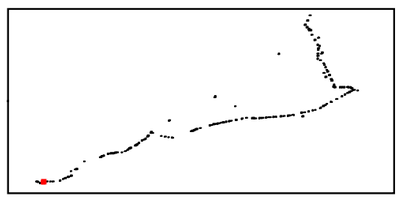
- Drainage (Top of Bank)
- Riparian



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Attachment B:
Jurisdictional Delineation Map
Page 7 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
- Eldorado - Lugo 500 kV Transmission Line
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- Survey Extent

USACE-Jurisdictional Areas

- Drainage (Ordinary High Water Mark)
- Wetland

CDFW-Jurisdictional Areas

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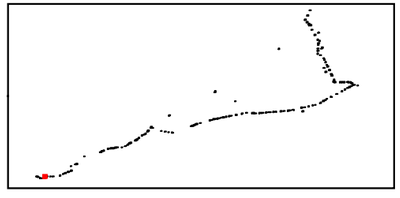

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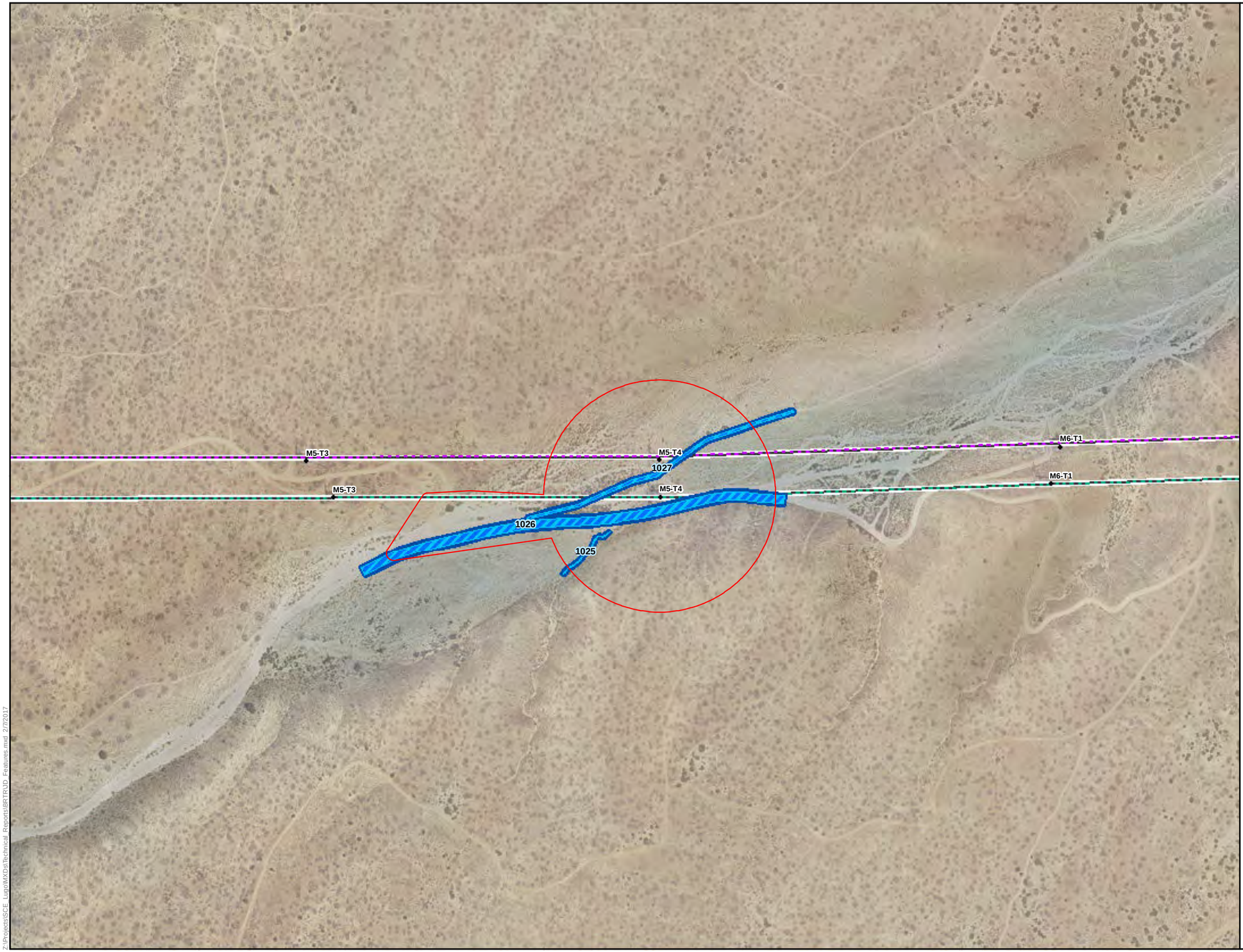

Attachment B:
Jurisdictional Delineation Map
Page 8 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
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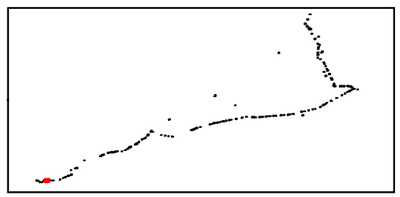

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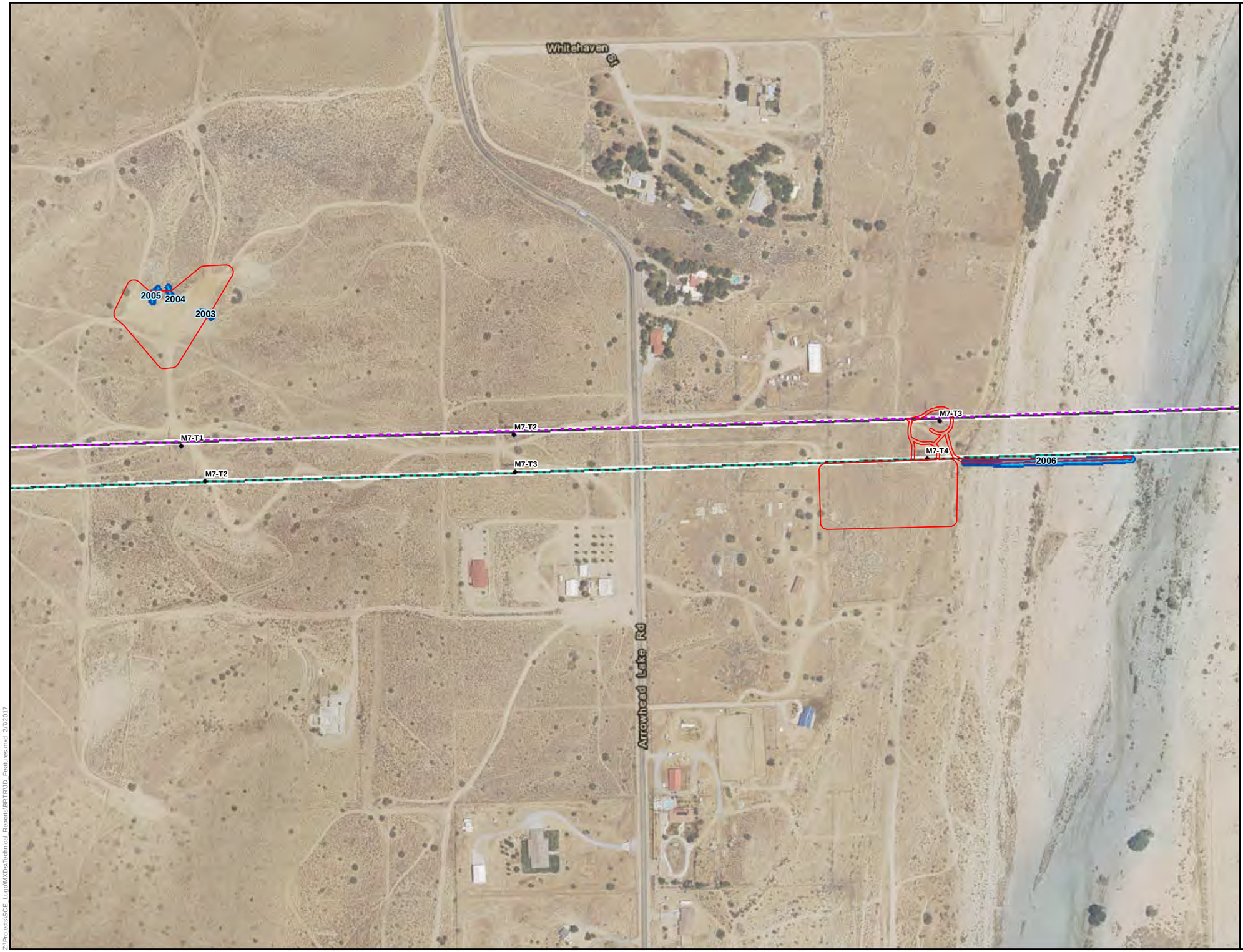

Attachment B: Jurisdictional Delineation Map Page 9 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
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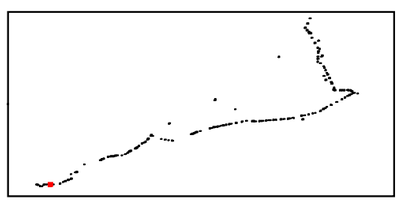

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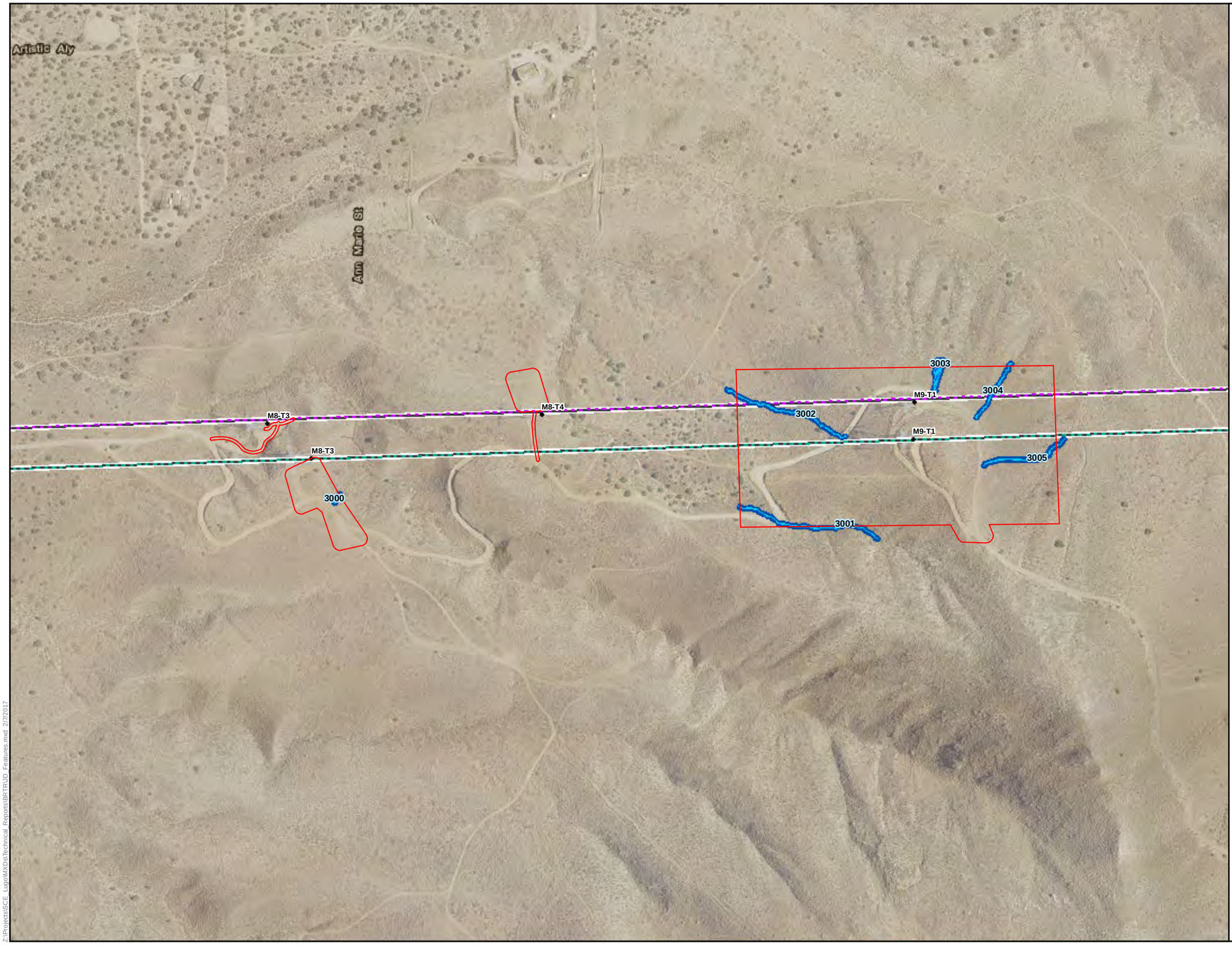
Attachment B:
Jurisdictional Delineation Map
Page 10 of 153

Eldorado-Lugo-Mohave Series Capacitor Project



- Substation
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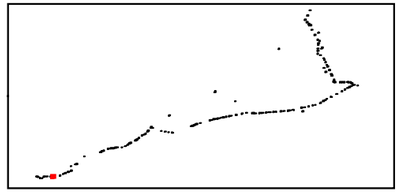

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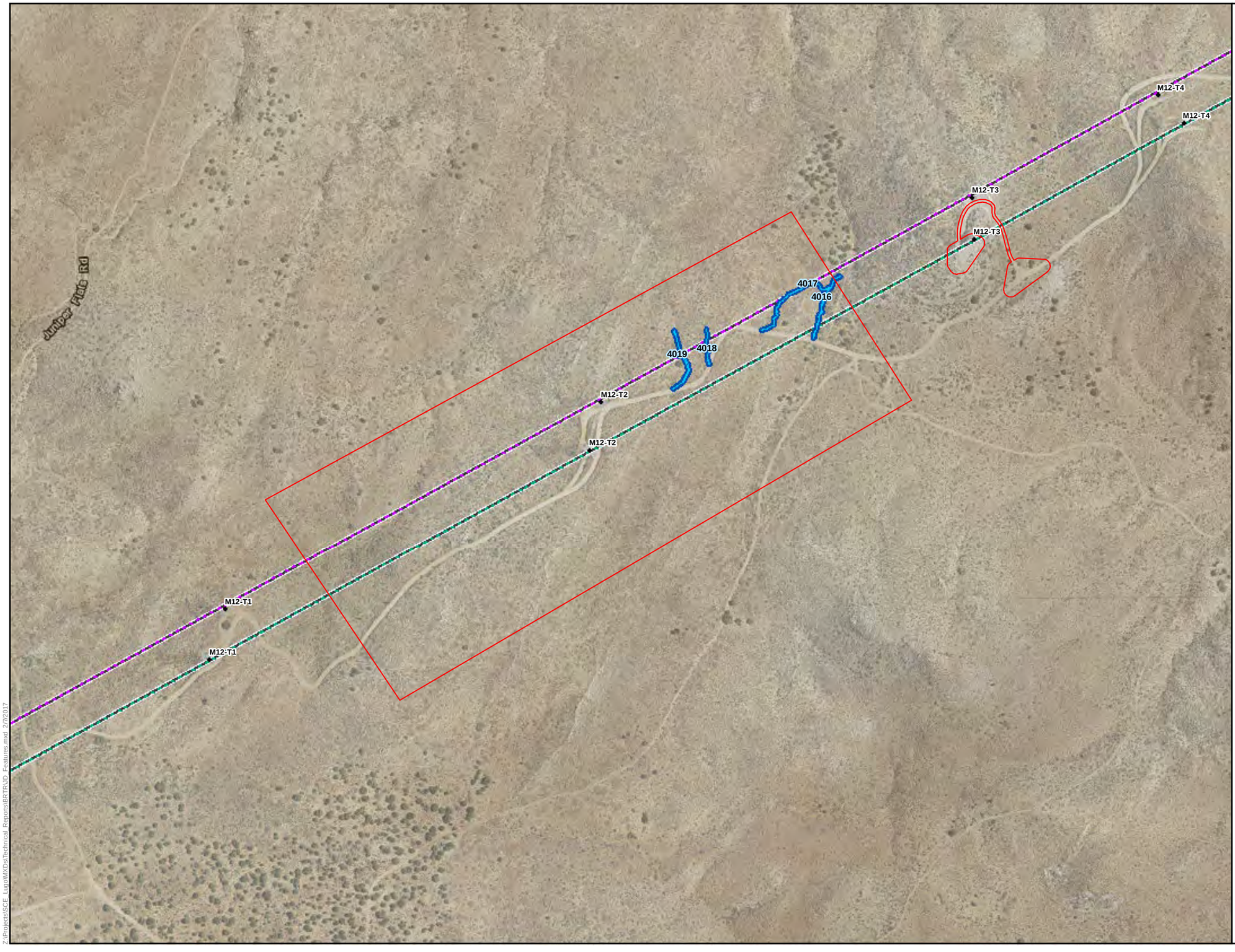

Attachment B:
Jurisdictional Delineation Map
Page 11 of 153

Eldorado-Lugo-Mohave
Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
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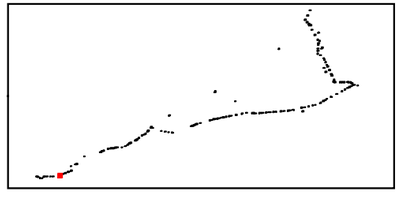

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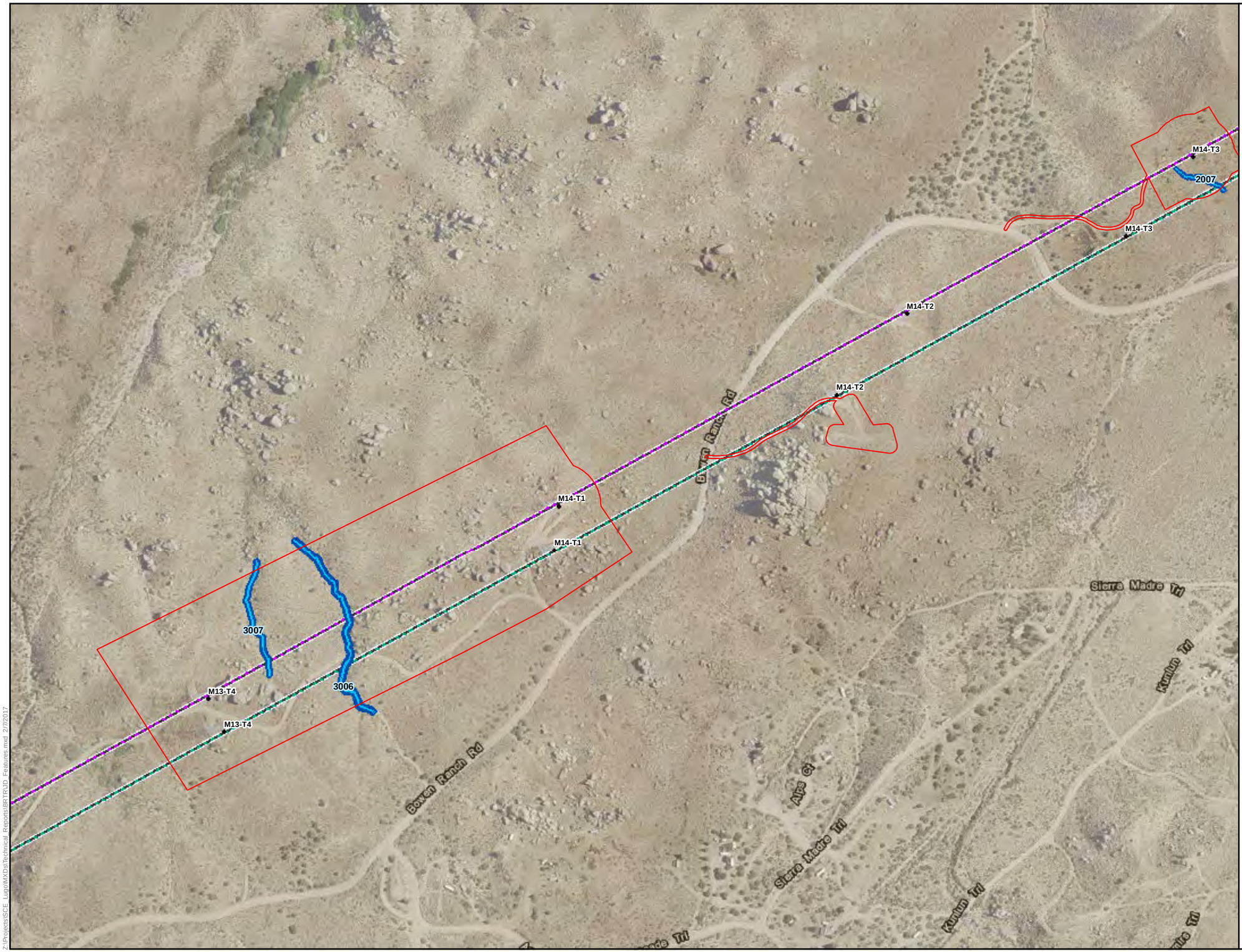
Attachment B:
Jurisdictional Delineation Map
Page 12 of 153

Eldorado-Lugo-Mohave Series Capacitor Project



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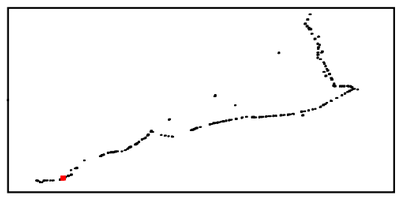

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Attachment B: Jurisdictional Delineation Map Page 13 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
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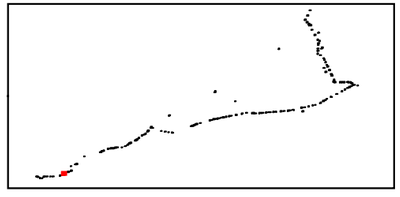

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Attachment B: Jurisdictional Delineation Map Page 14 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
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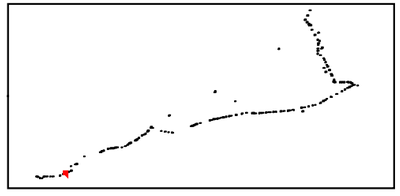

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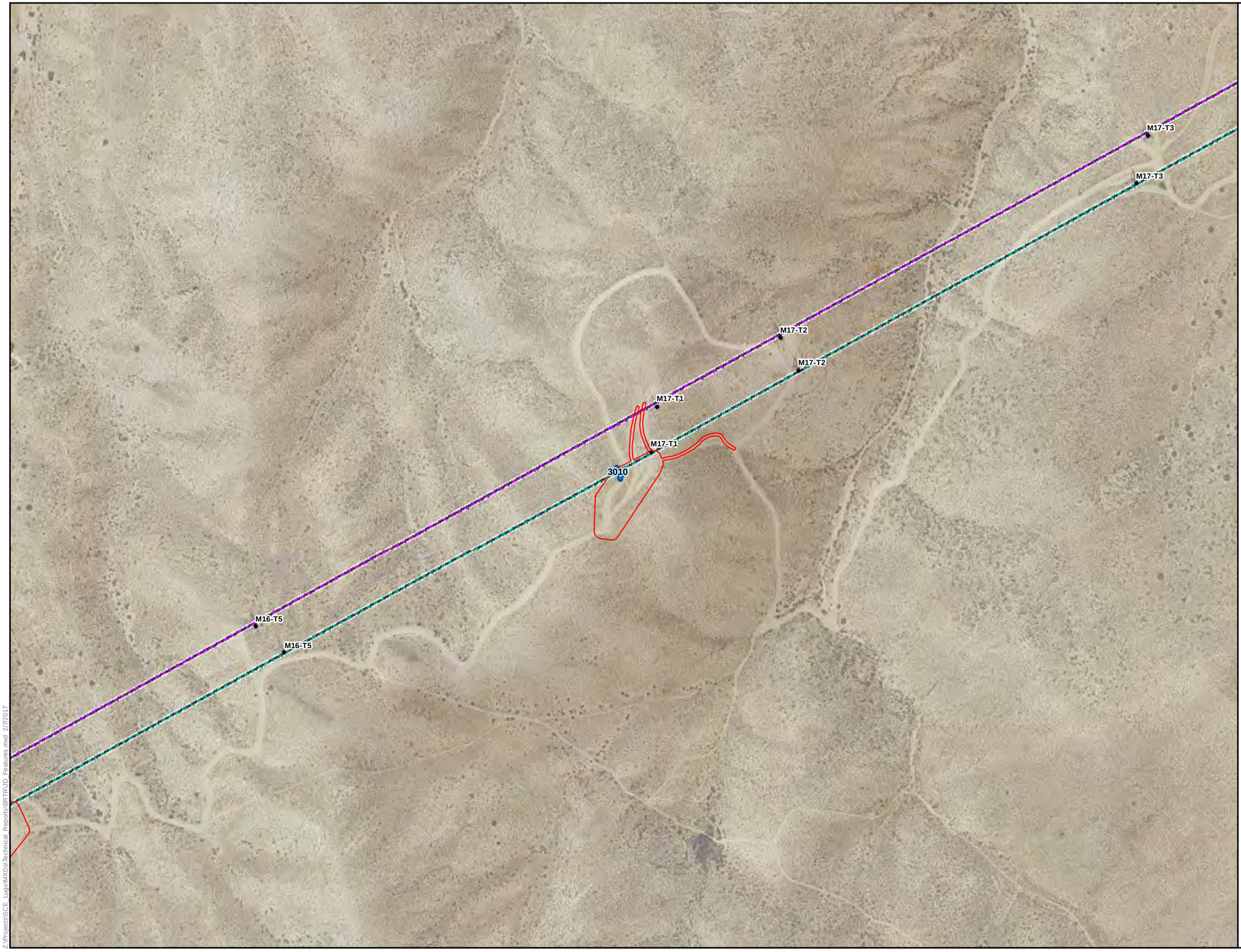

Attachment B:
Jurisdictional Delineation Map
Page 15 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
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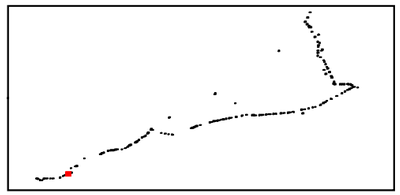

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Attachment B:
Jurisdictional Delineation Map
Page 16 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
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- Eldorado - Lugo 500 kV Transmission Line
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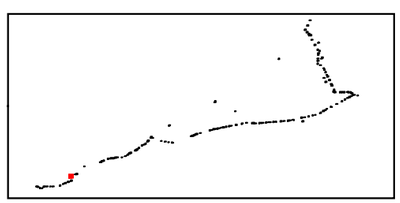

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Eldorado-Lugo-Mohave Series Capacitor Project

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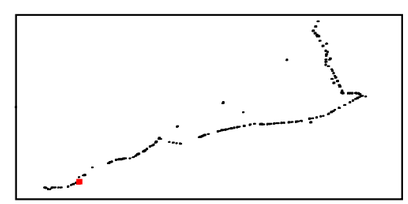

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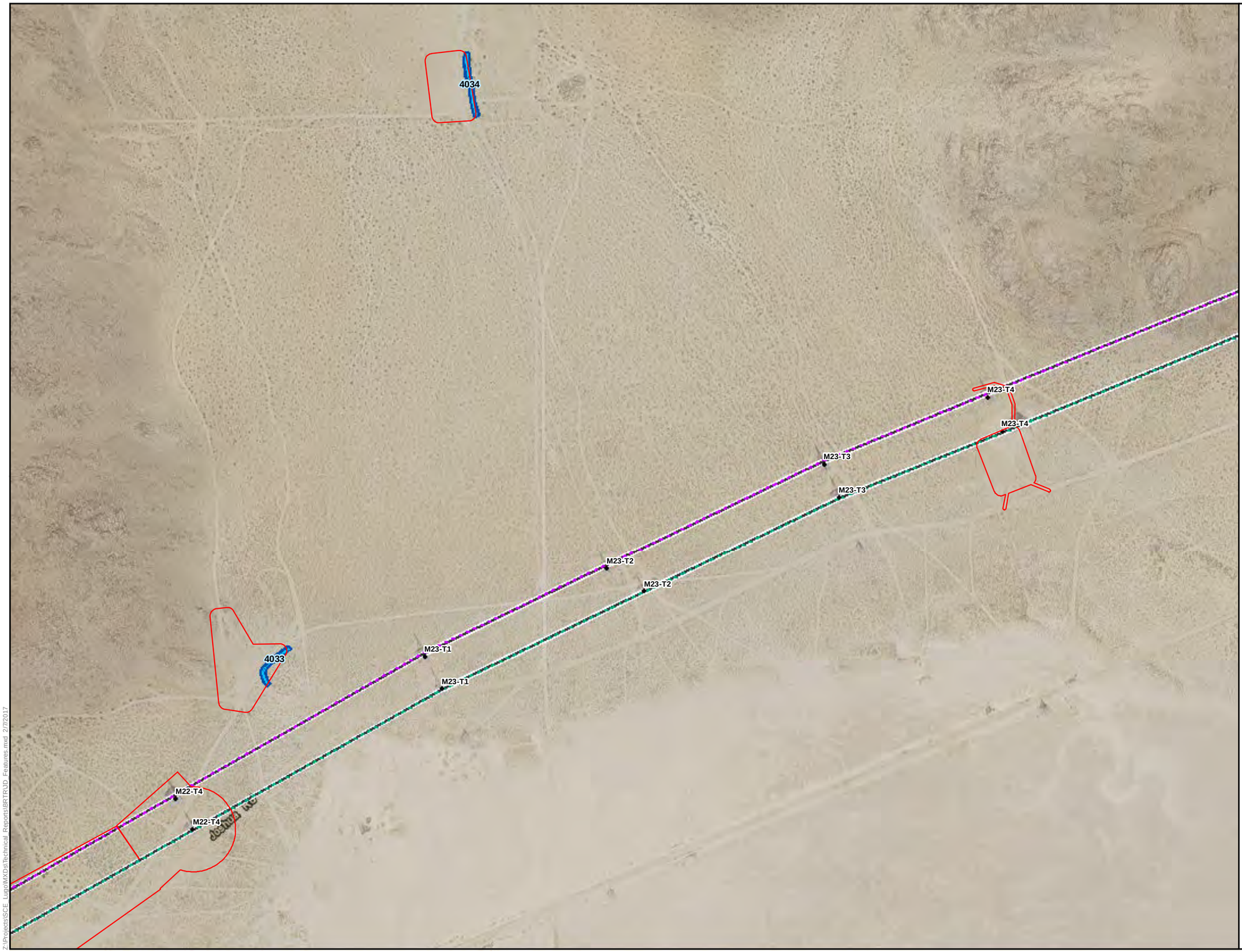
Attachment B:
Jurisdictional Delineation Map

Eldorado-Lugo-Mohave Series Capacitor Project



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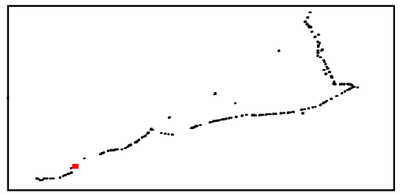

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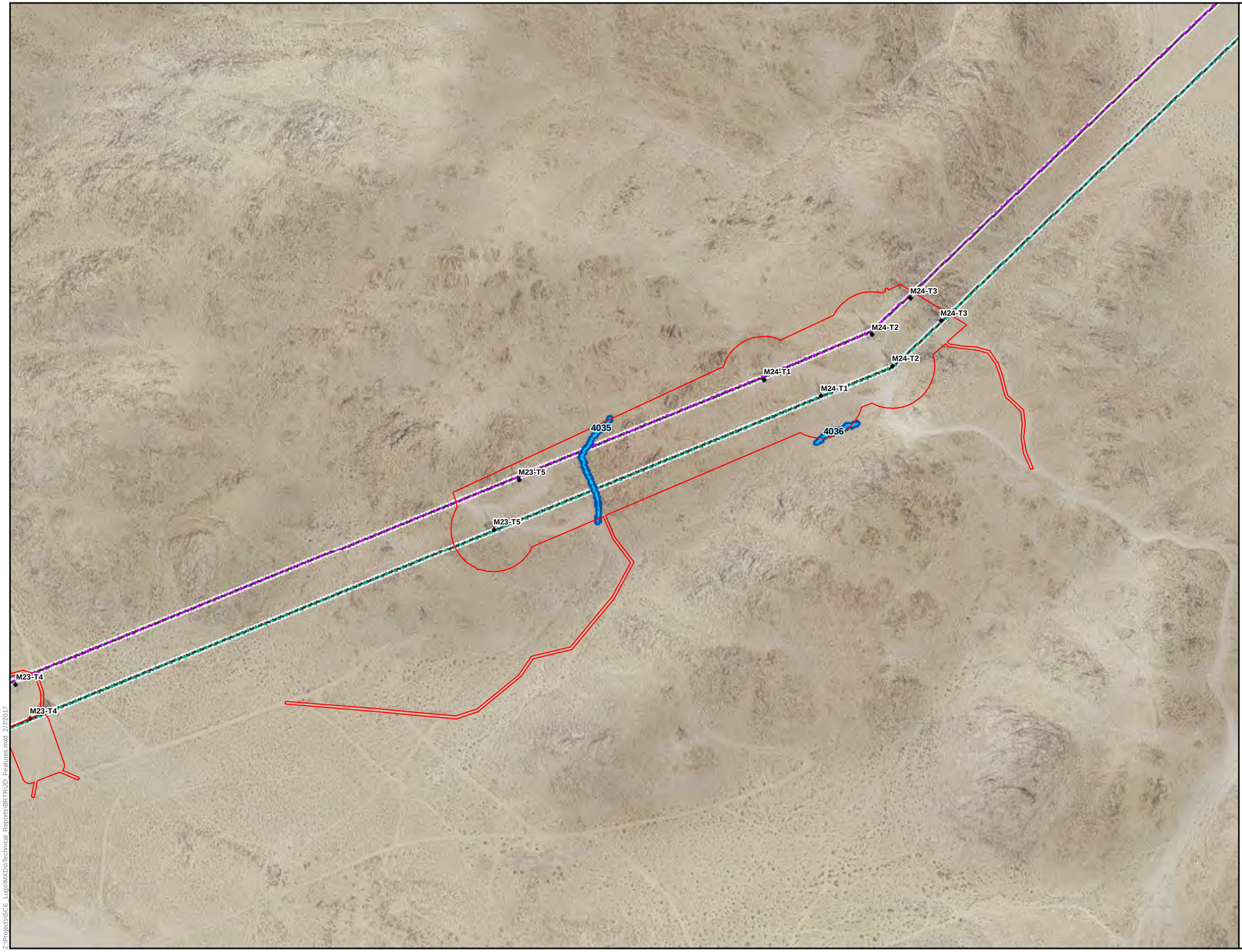

Attachment B: Jurisdictional Delineation Map Page 19 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
- Eldorado - Lugo 500 kV Transmission Line
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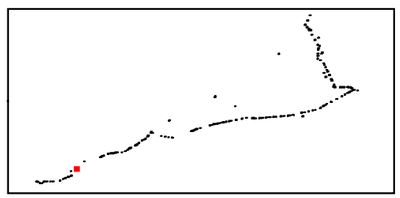

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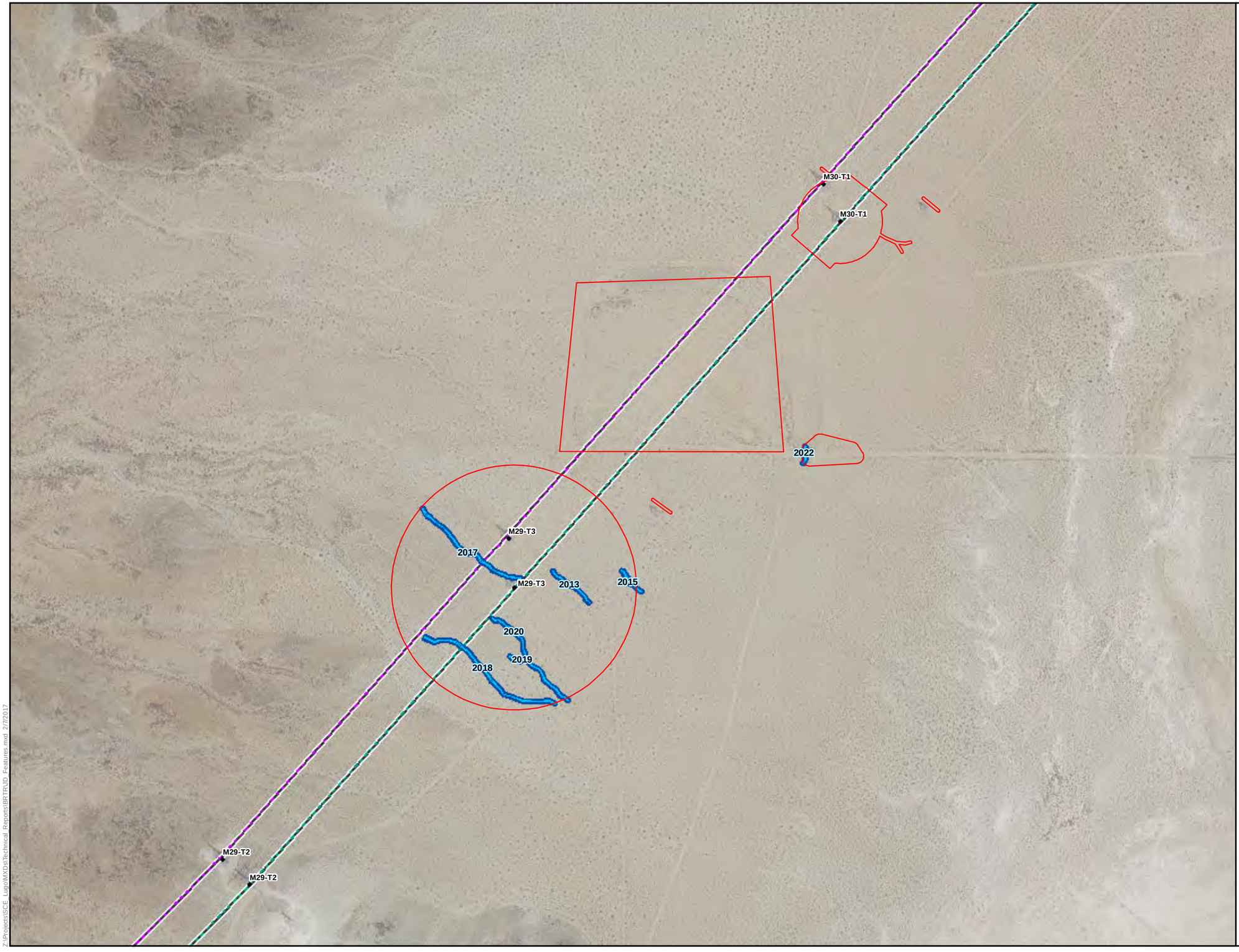

Attachment B:
Jurisdictional Delineation Map
Page 20 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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- Mid-Line Capacitor Location
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- Structure
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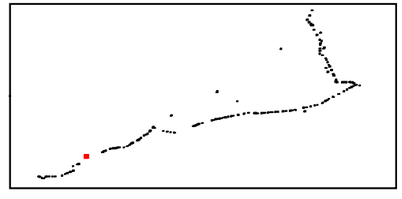

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Attachment B: Jurisdictional Delineation Map Page 21 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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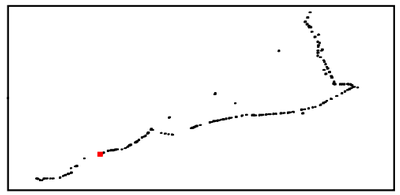

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Attachment B:
Jurisdictional Delineation Map
Page 22 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
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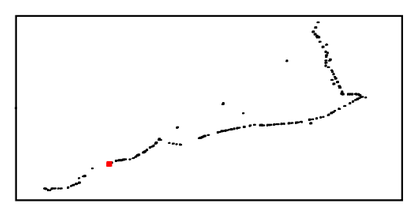

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Attachment B:
Jurisdictional Delineation Map
Page 23 of 153

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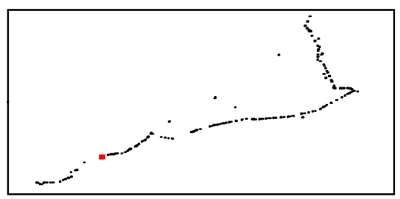

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INSIGNIA ENVIRONMENTAL

Source: Insignia, 2016; SCE

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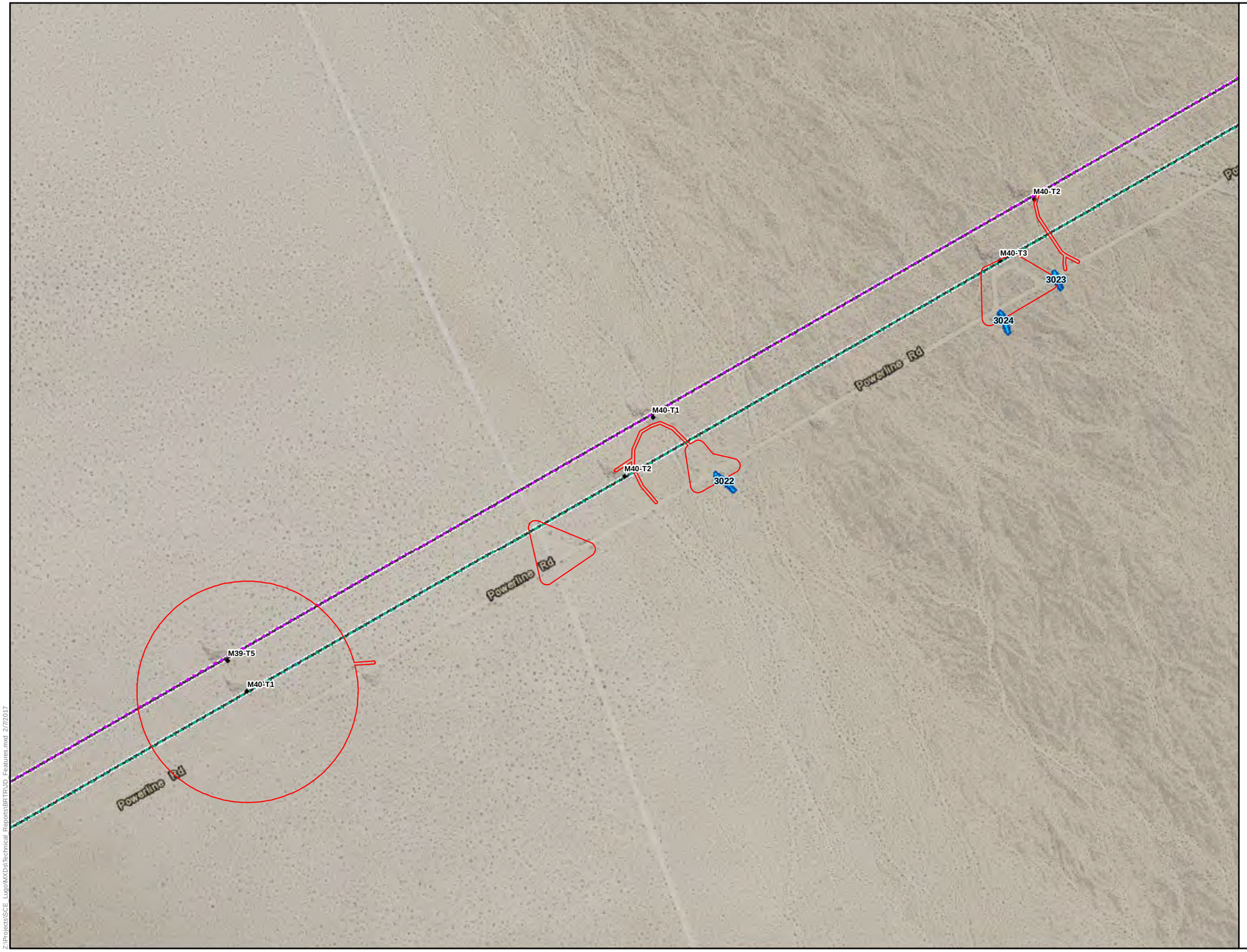

Attachment B:
Jurisdictional Delineation Map
Page 24 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
- Eldorado - Lugo 500 kV Transmission Line
- Eldorado - Mohave 500 kV Transmission Line
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USACE-Jurisdictional Areas

- Drainage (Ordinary High Water Mark)
- Wetland

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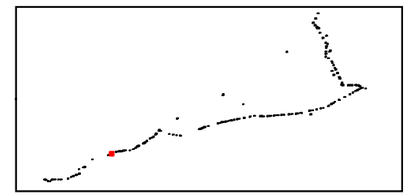
- Riparian



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INSIGNIA ENVIRONMENTAL

Source: Insignia, 2016; SCE

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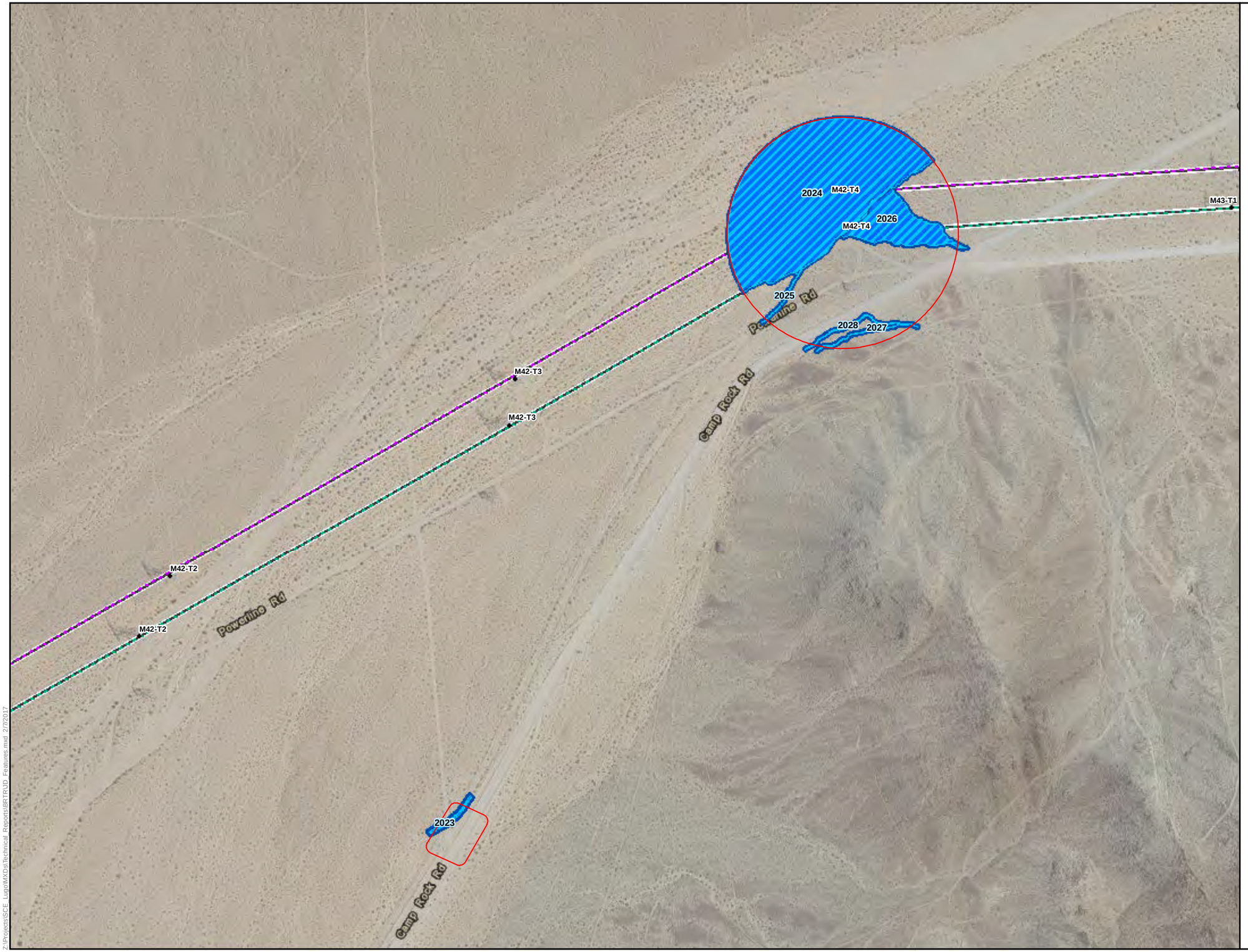

Attachment B:
Jurisdictional Delineation Map
Page 25 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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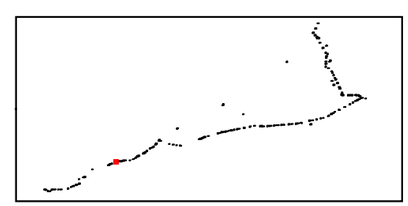

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Source: Insignia, 2016; SCE

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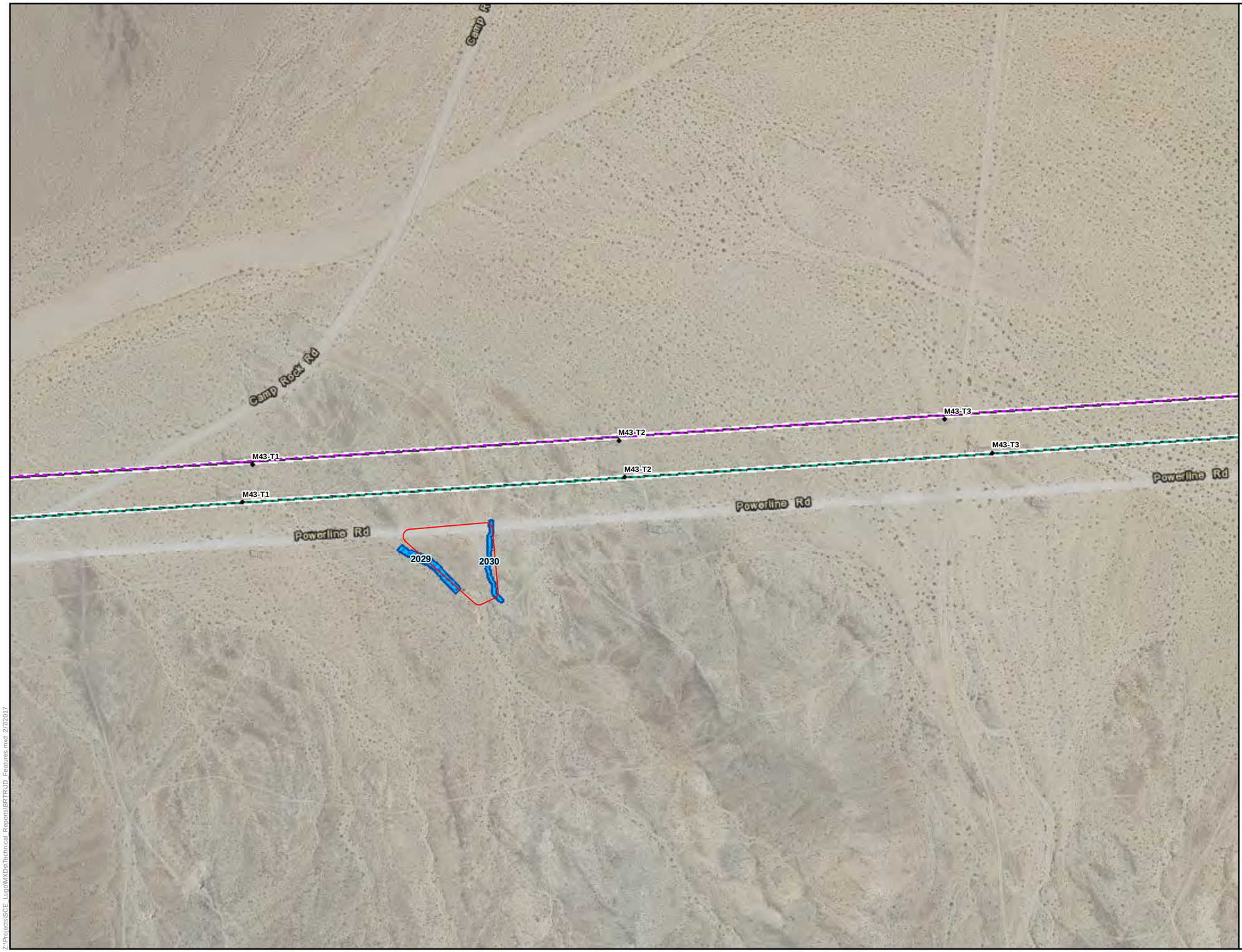
Eldorado-Lugo-Mohave Series Capacitor Project



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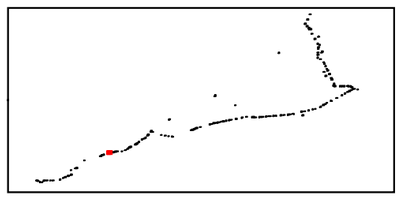

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INSIGNIA ENVIRONMENTAL

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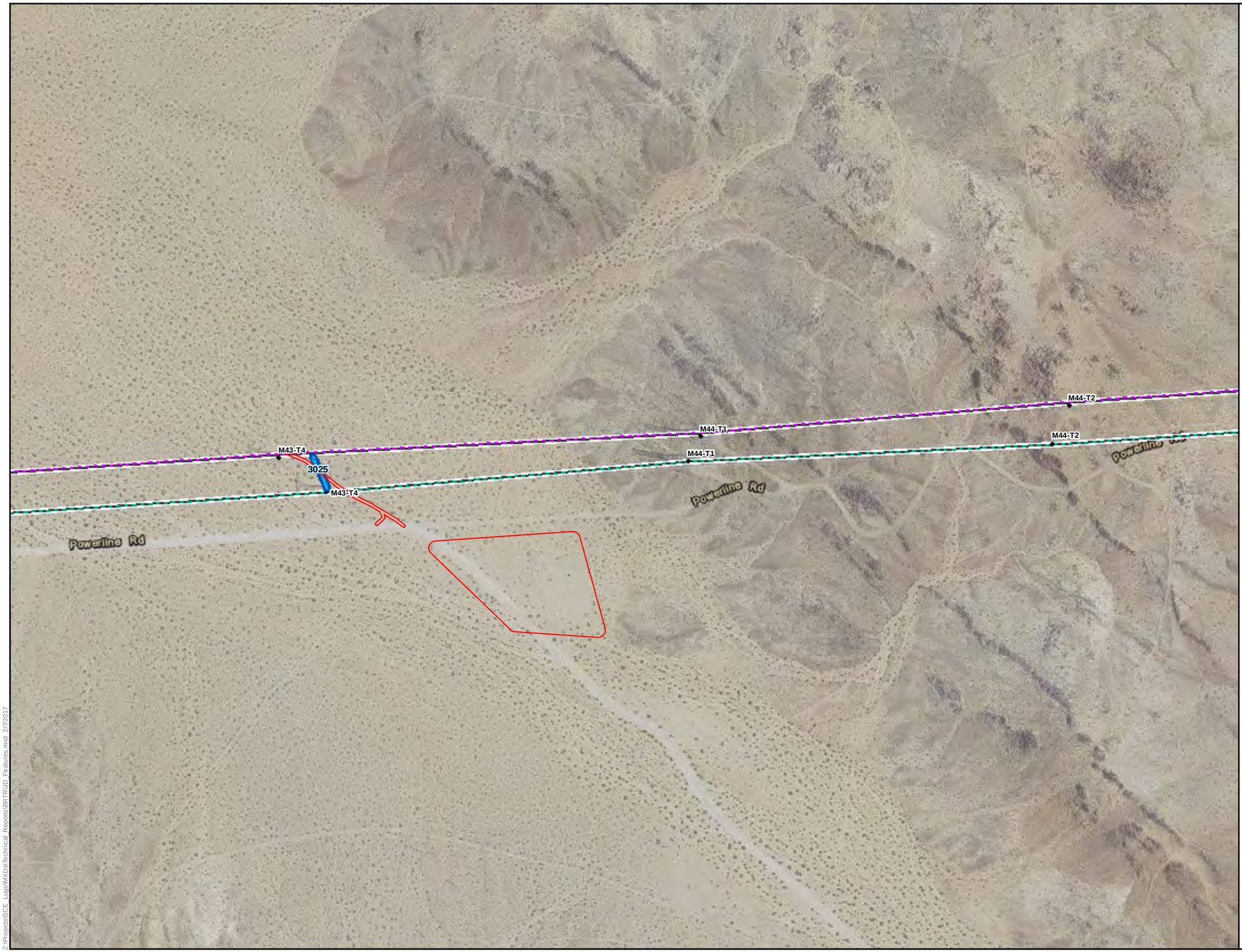
Eldorado-Lugo-Mohave Series Capacitor Project



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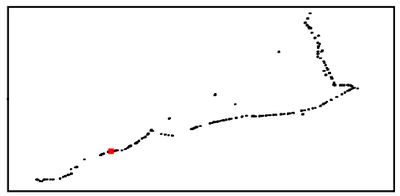

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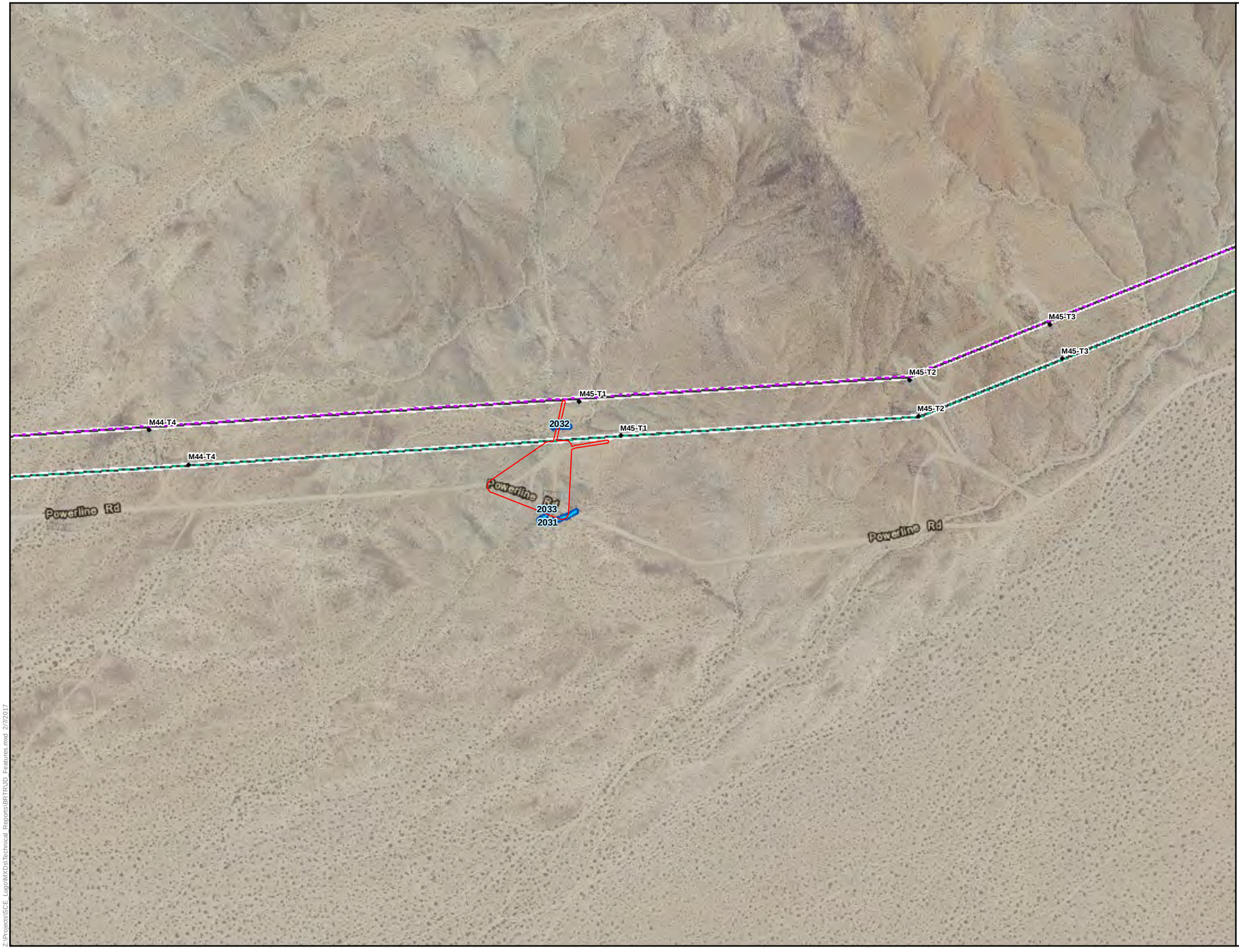

Attachment B: Jurisdictional Delineation Map Page 28 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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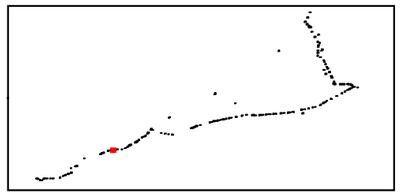

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0 150 300 600 Feet

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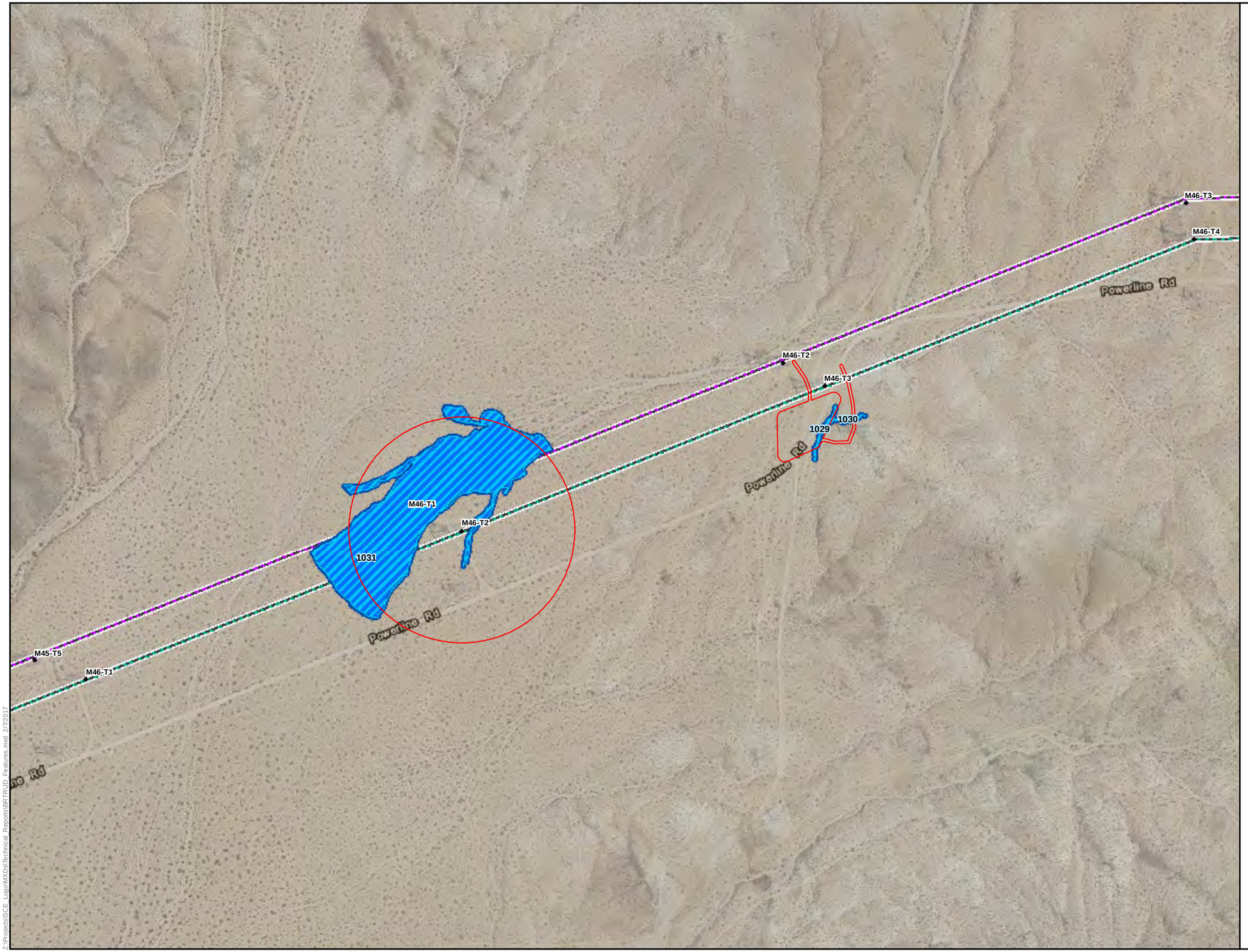

Attachment B: Jurisdictional Delineation Map Page 29 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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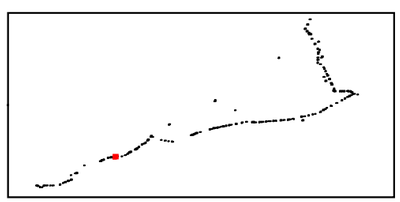

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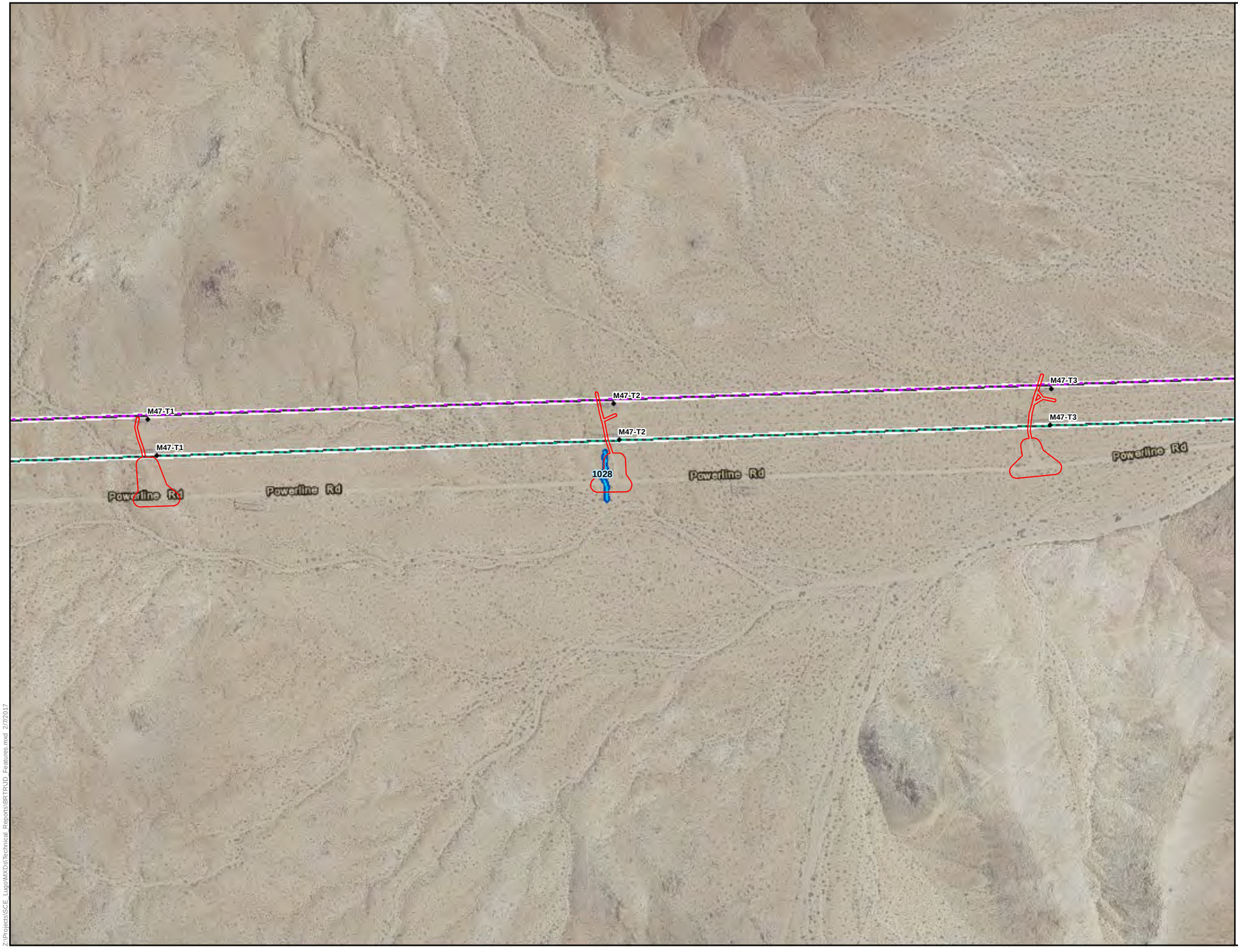
Eldorado-Lugo-Mohave Series Capacitor Project



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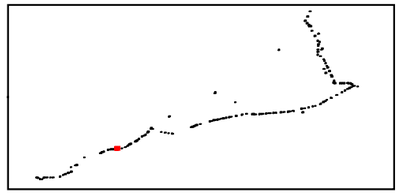

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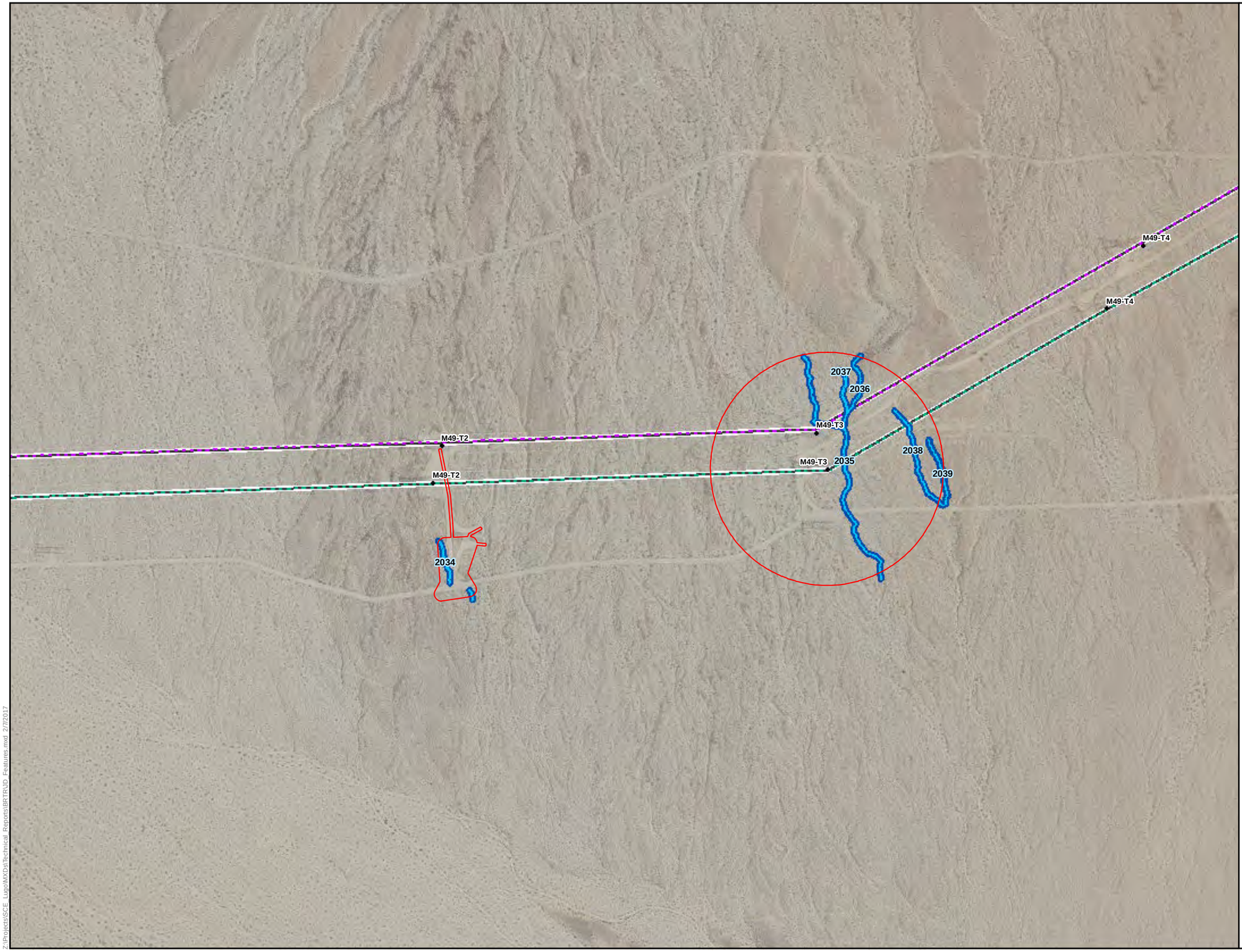

Attachment B:
Jurisdictional Delineation Map
Page 31 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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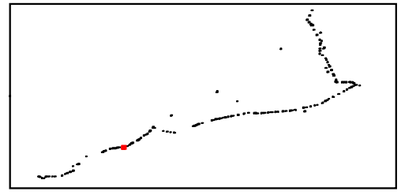

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Attachment B: Jurisdictional Delineation Map Page 32 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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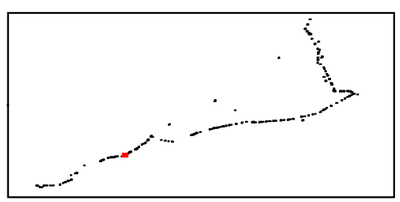

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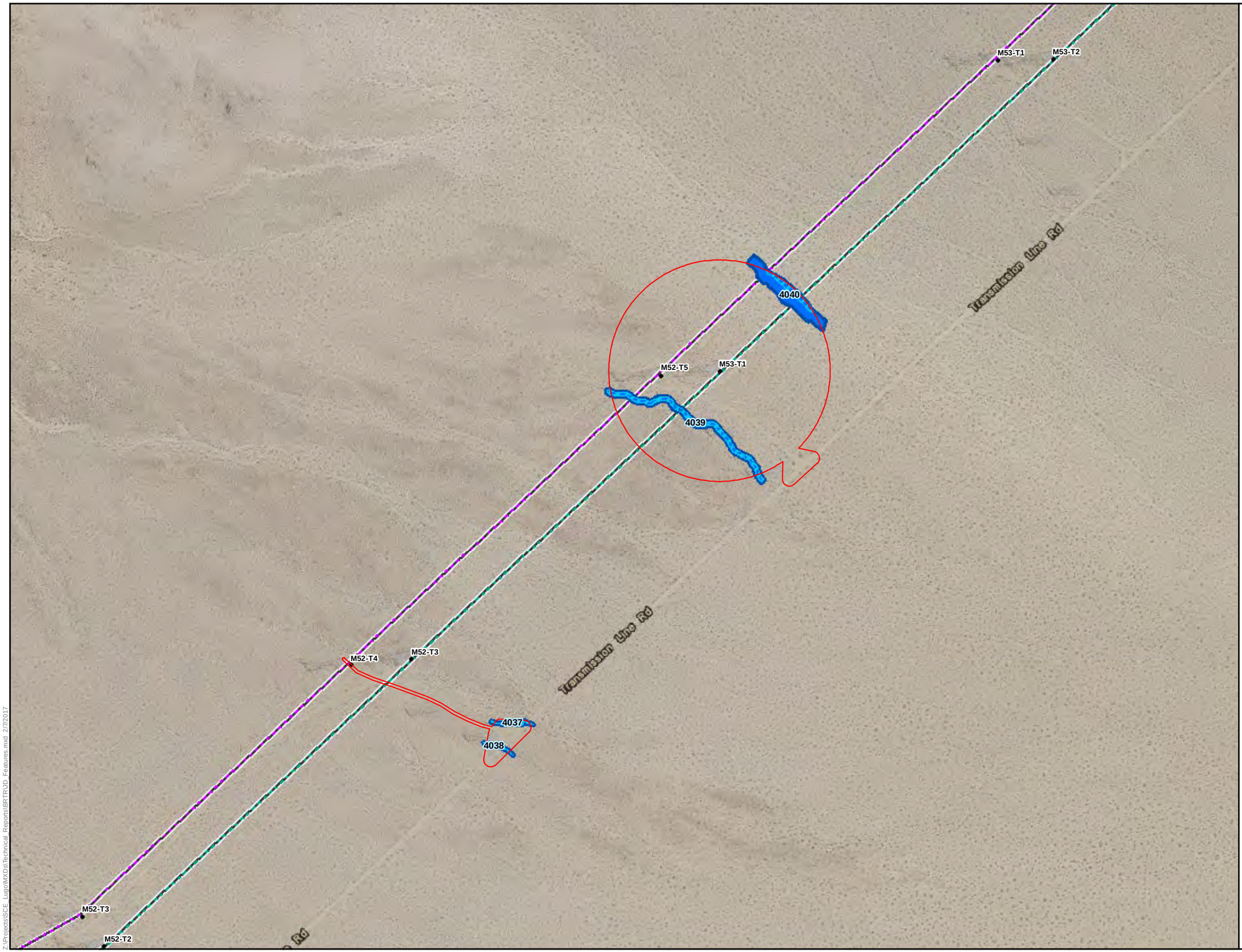

Attachment B: Jurisdictional Delineation Map Page 33 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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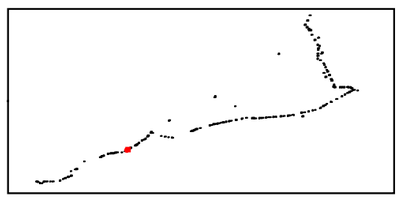

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Eldorado-Lugo-Mohave Series Capacitor Project

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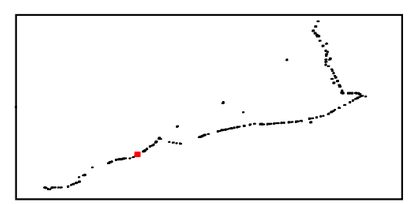

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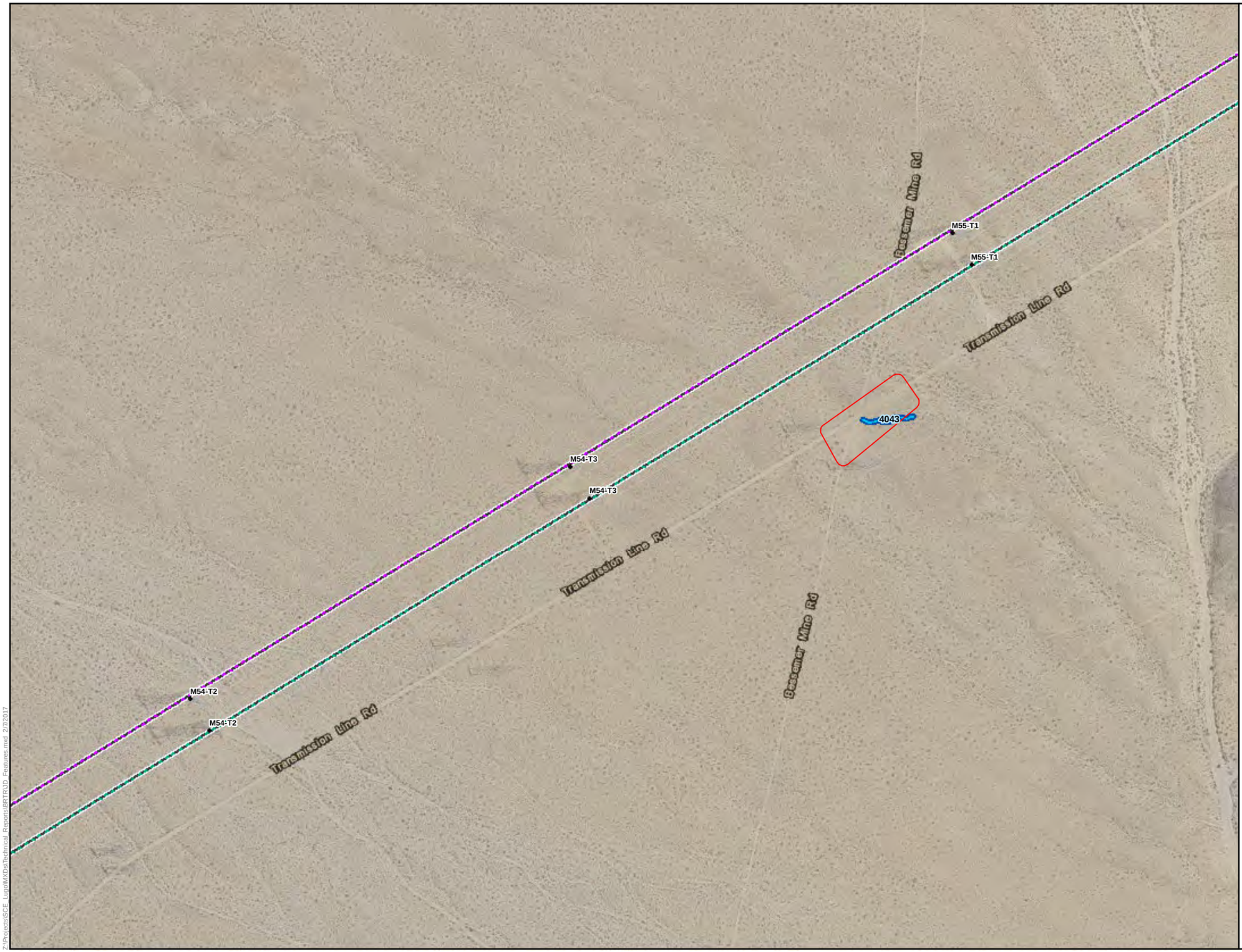

Attachment B: Jurisdictional Delineation Map

Eldorado-Lugo-Mohave Series Capacitor Project

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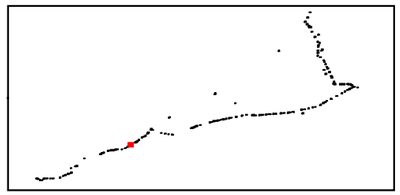

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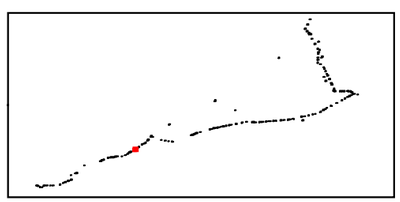

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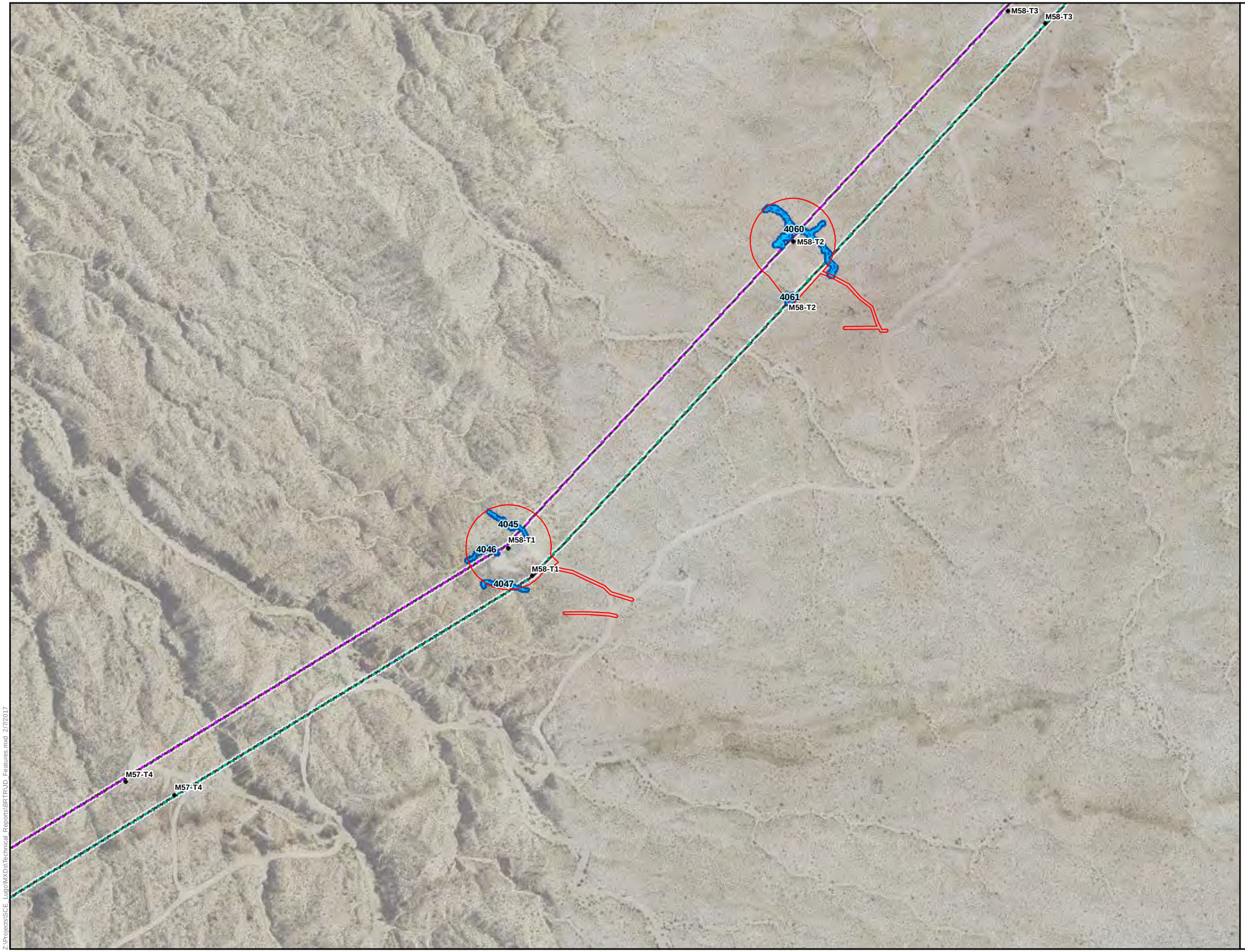
Attachment B:
Jurisdictional Delineation Map
Page 37 of 153

Eldorado-Lugo-Mohave Series Capacitor Project



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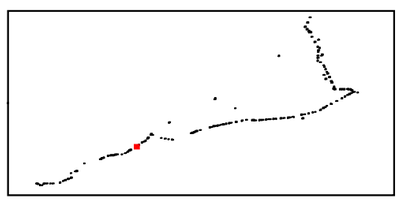

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Source: Insignia, 2016; SCE

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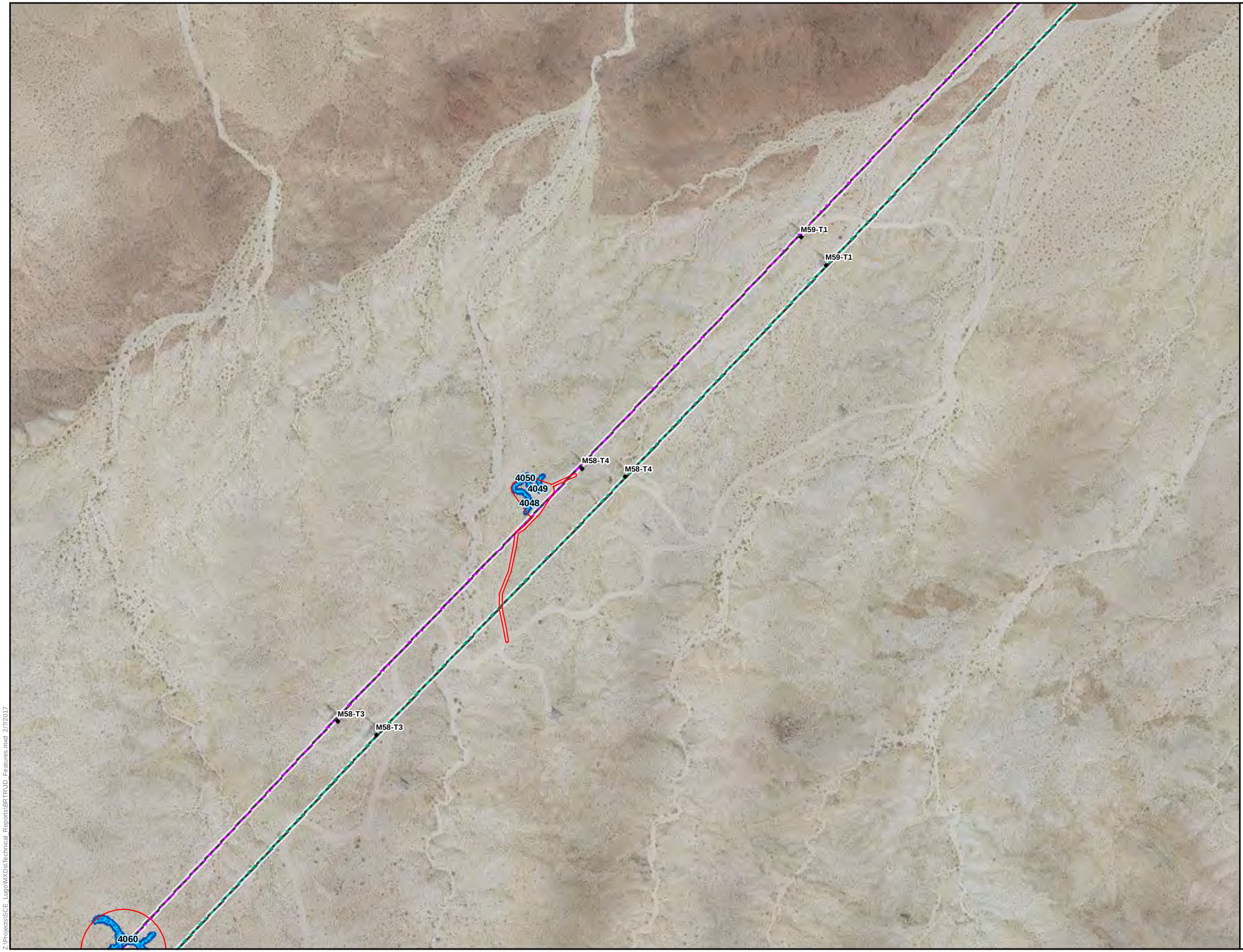

Attachment B:
Jurisdictional Delineation Map
Page 38 of 153

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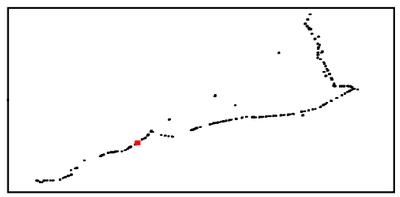

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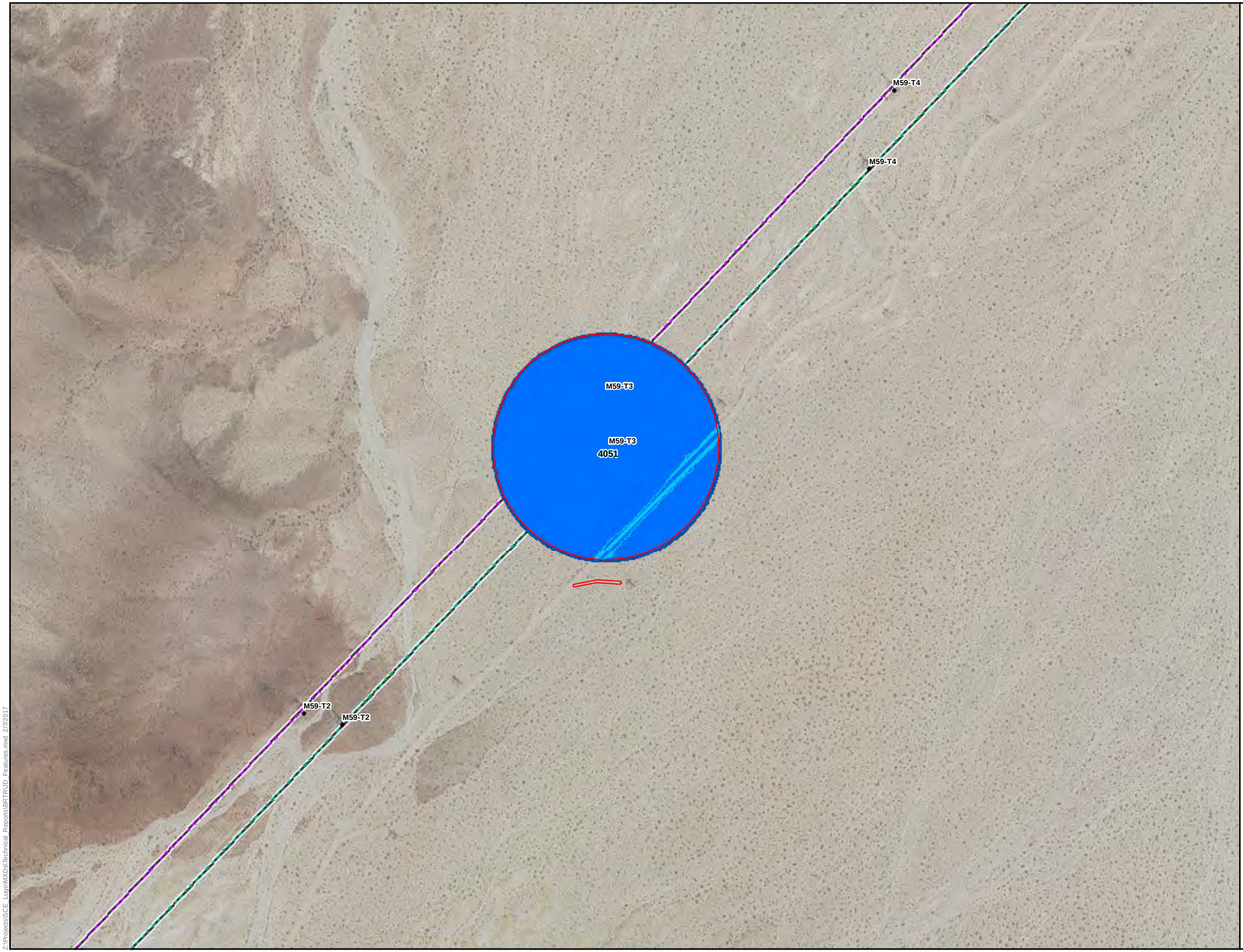
Attachment B:
Jurisdictional Delineation Map

Eldorado-Lugo-Mohave Series Capacitor Project



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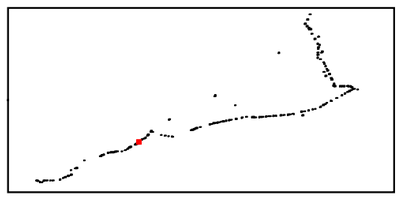

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Attachment B: Jurisdictional Delineation Map Page 40 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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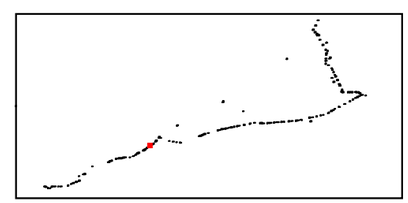

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INSIGNIA ENVIRONMENTAL

Source: Insignia, 2016; SCE

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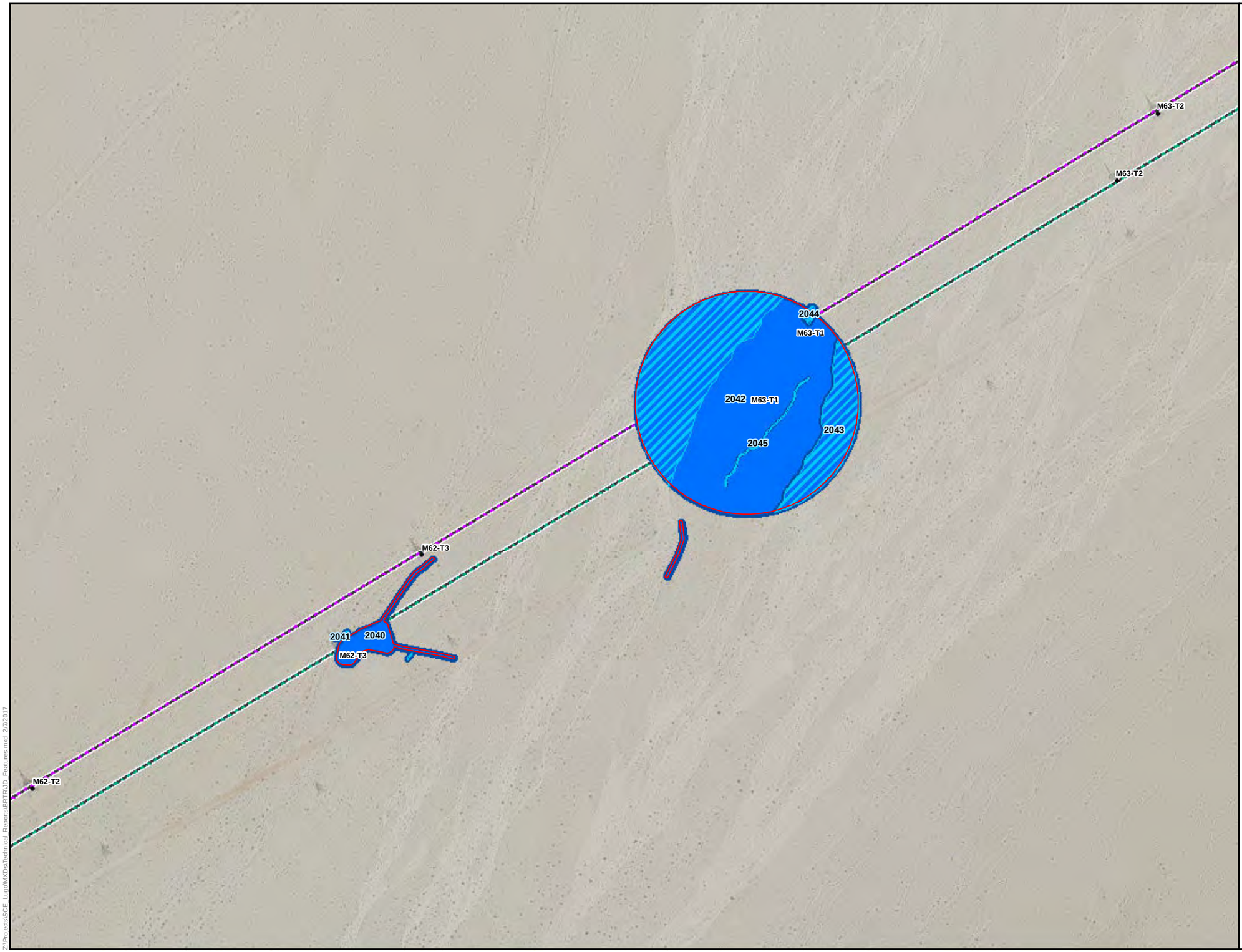

Attachment B:
Jurisdictional Delineation Map
Page 41 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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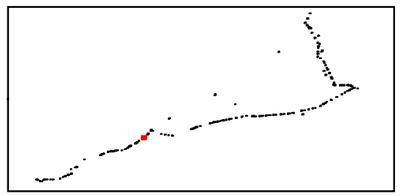

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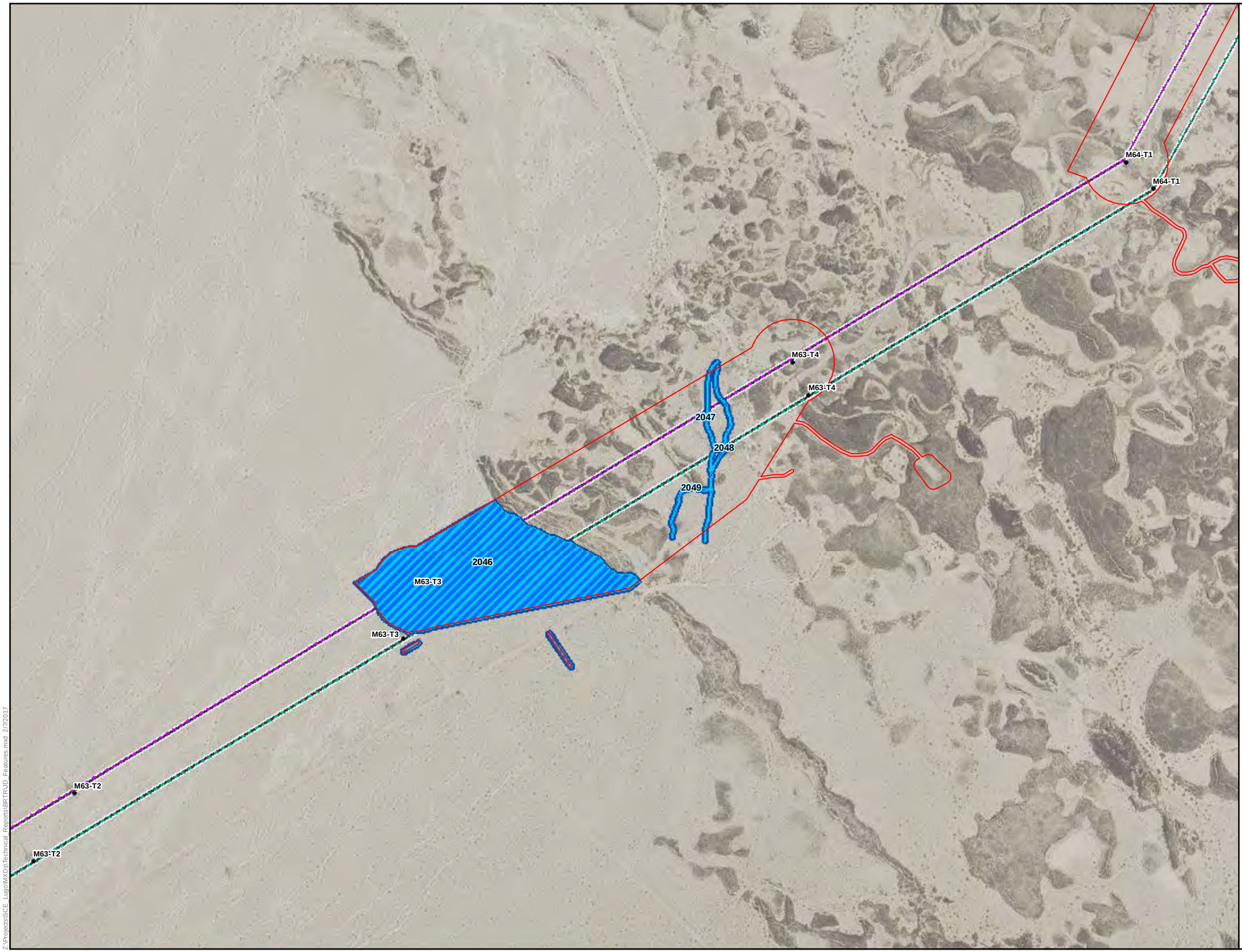
Attachment B:
Jurisdictional Delineation Map
Page 42 of 153

Eldorado-Lugo-Mohave Series Capacitor Project



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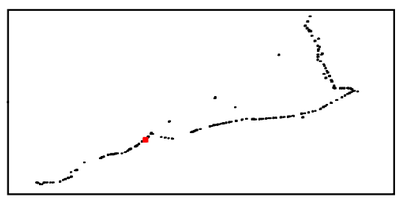

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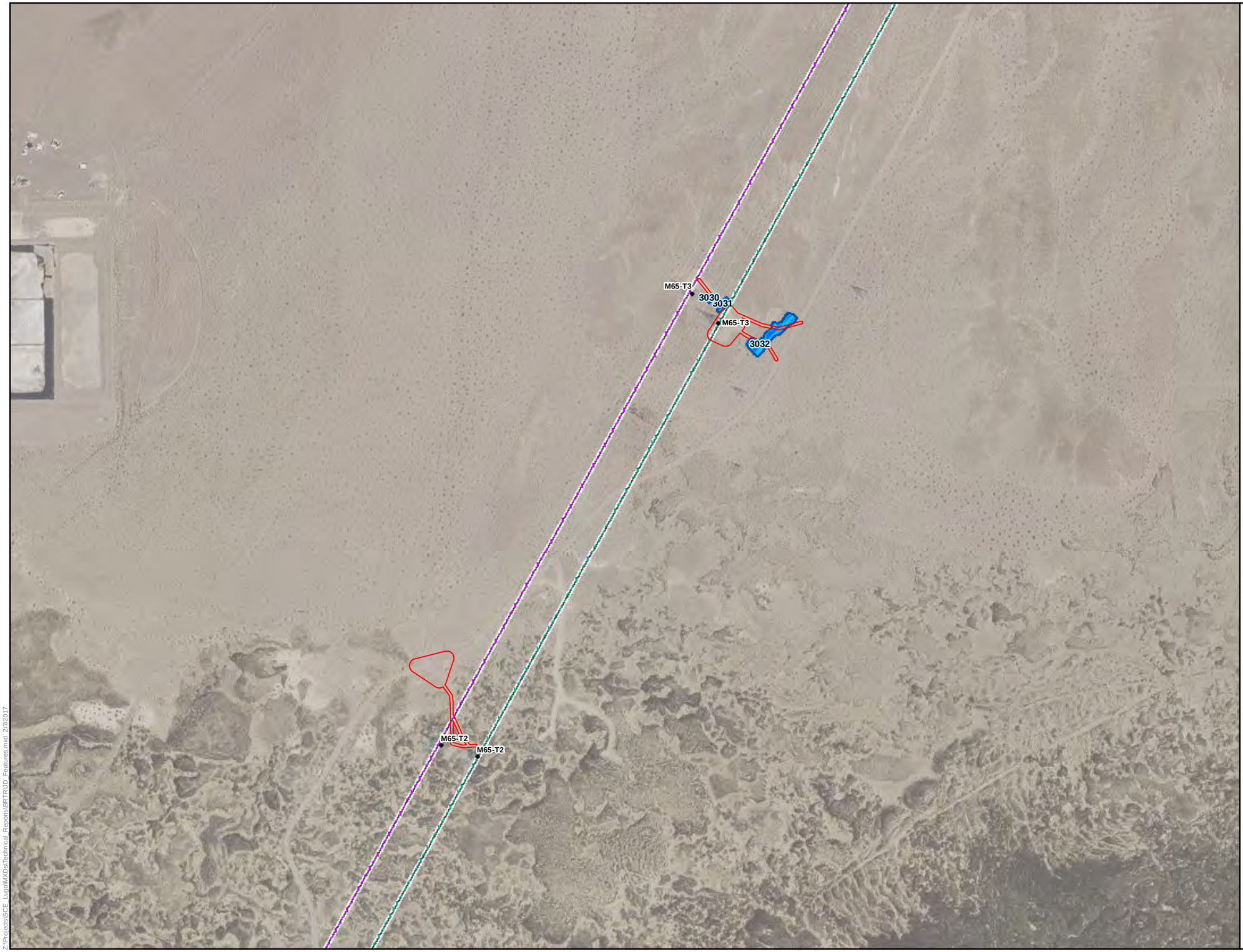

Attachment B:
Jurisdictional Delineation Map
Page 43 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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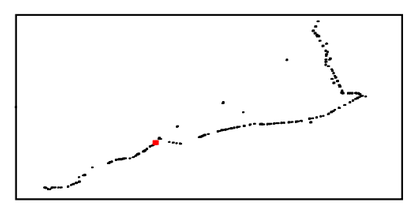

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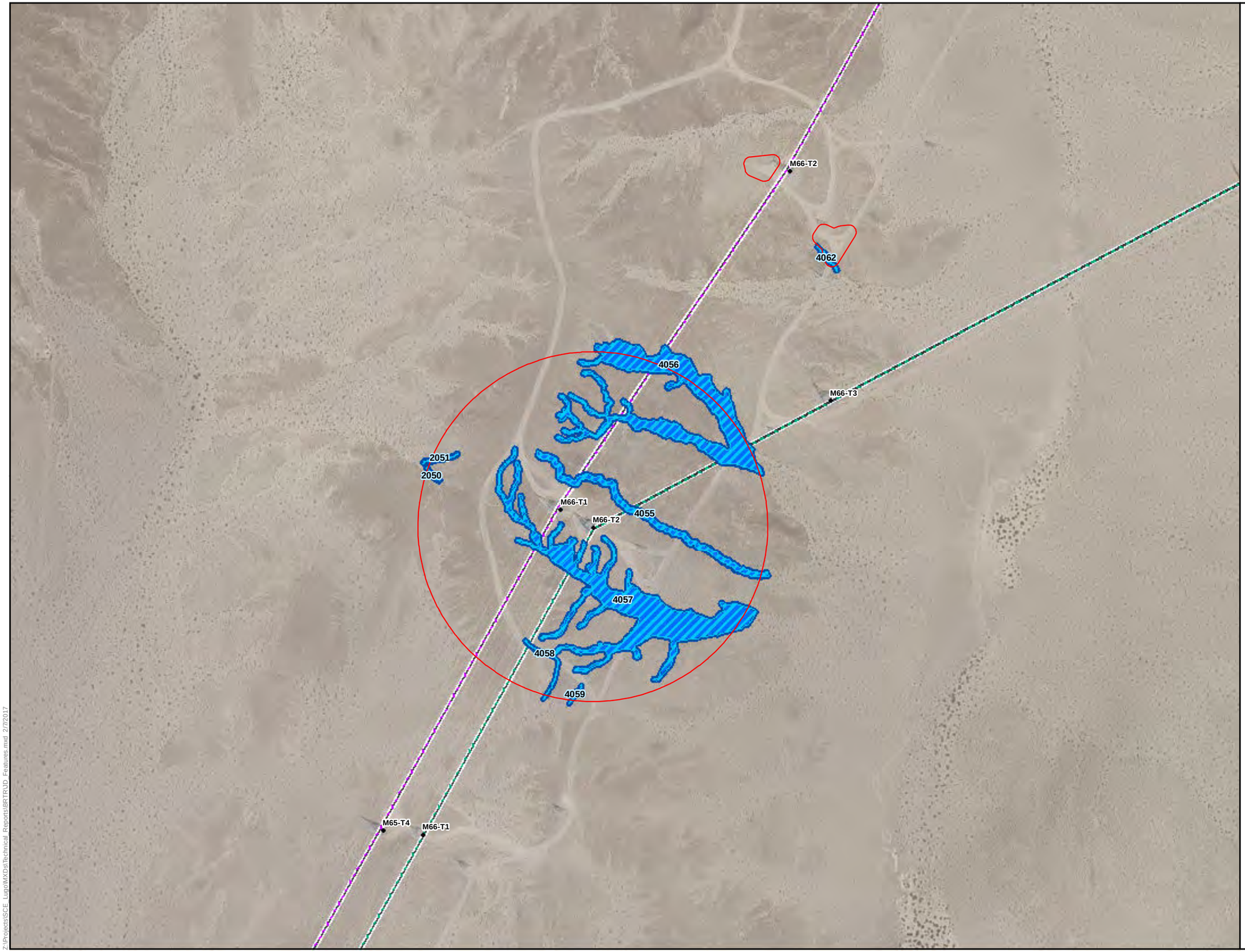
Eldorado-Lugo-Mohave Series Capacitor Project



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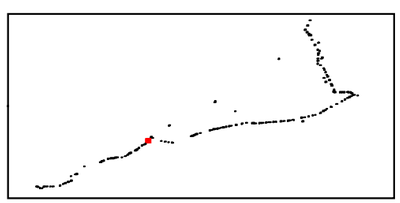

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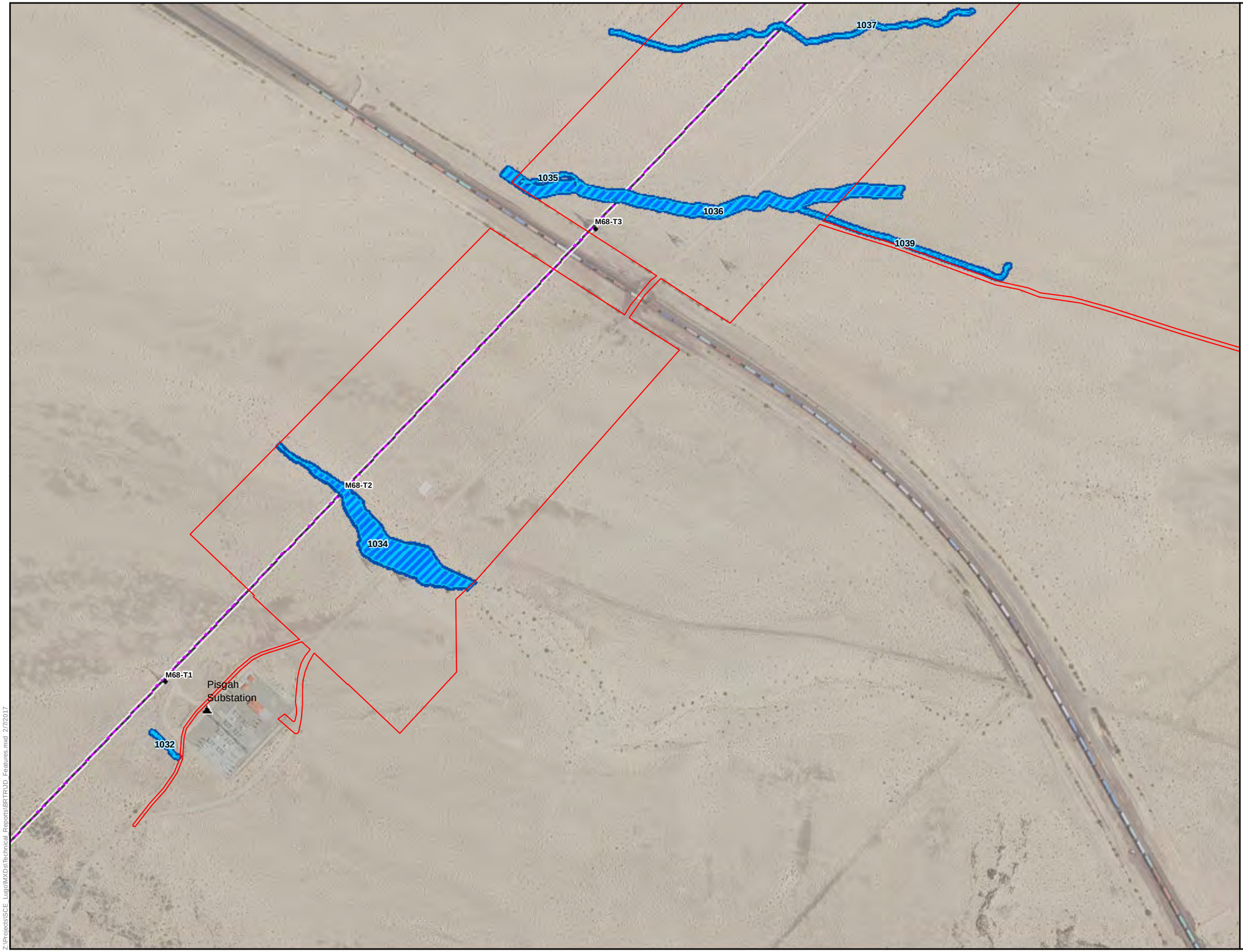

Attachment B:
Jurisdictional Delineation Map
Page 45 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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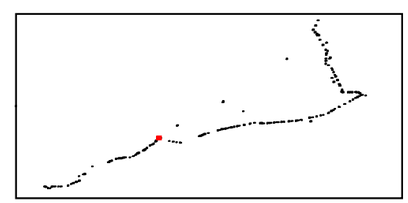

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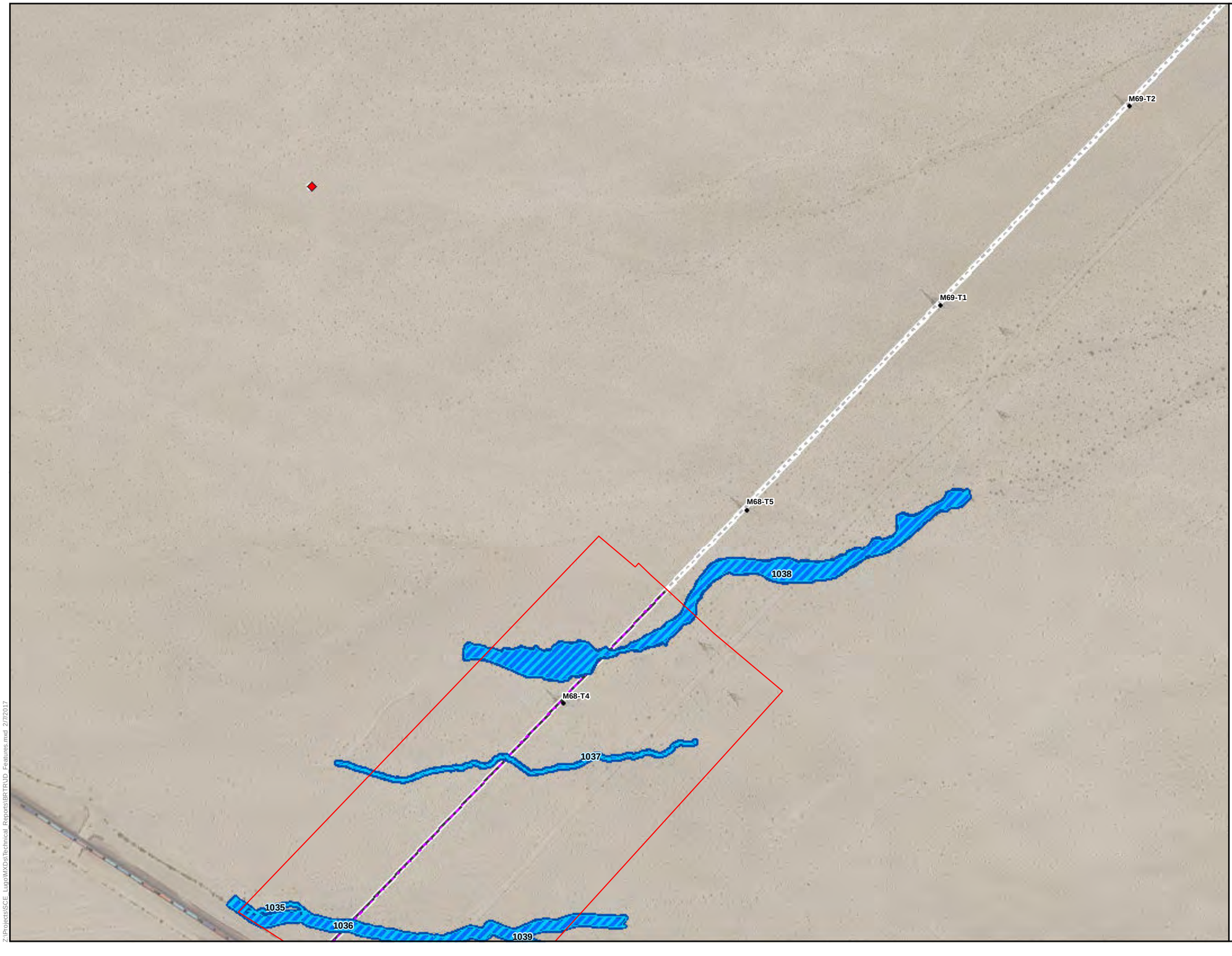
Eldorado-Lugo-Mohave Series Capacitor Project



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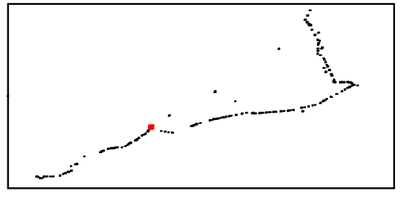

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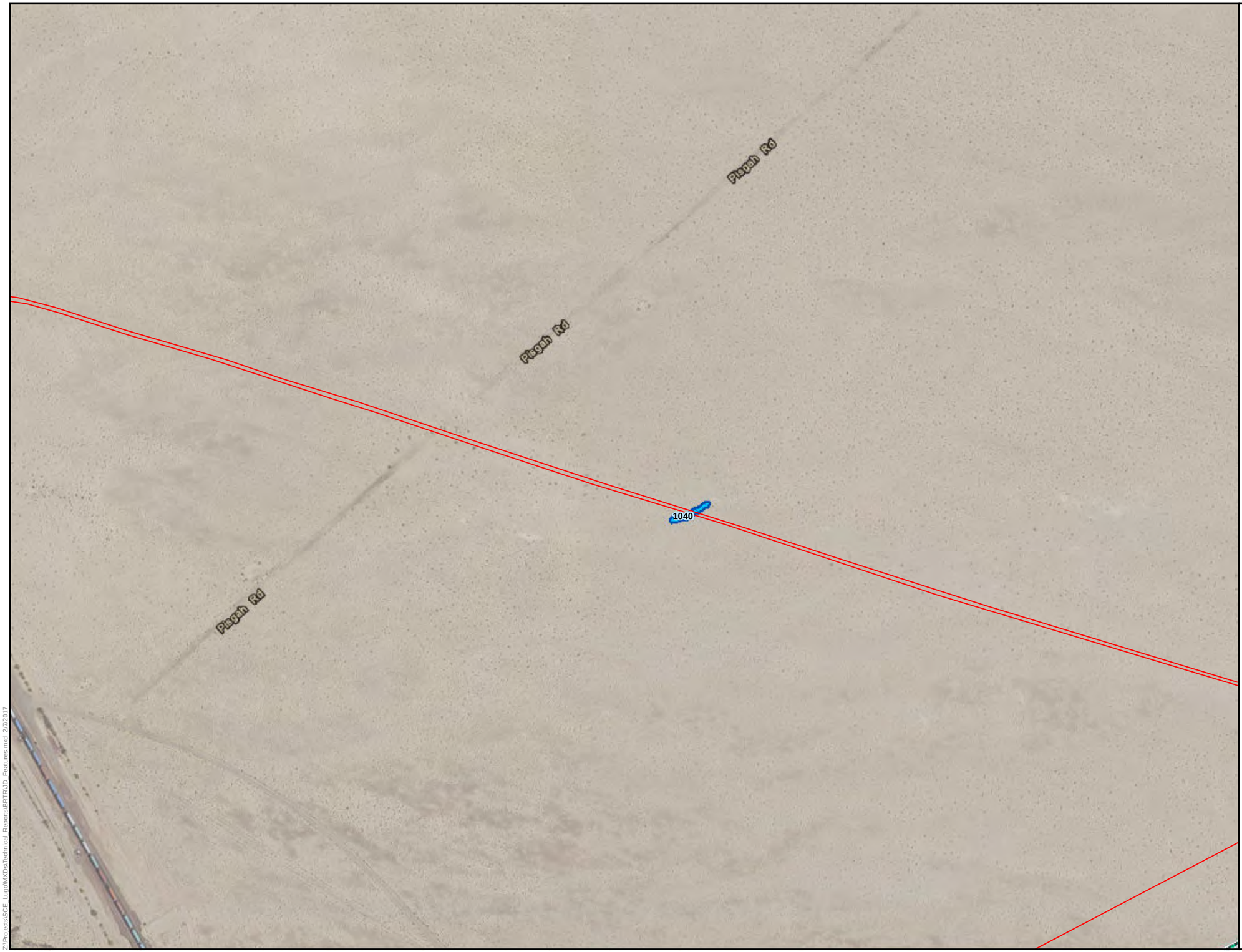

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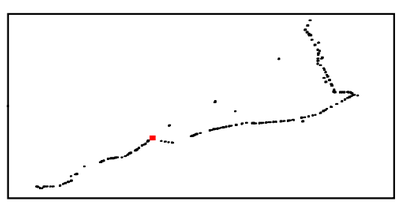

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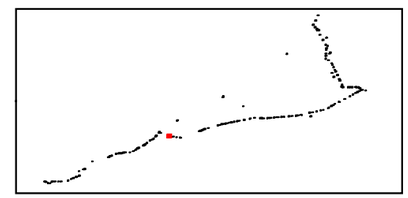

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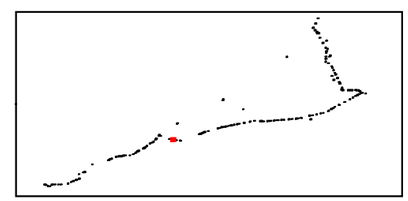

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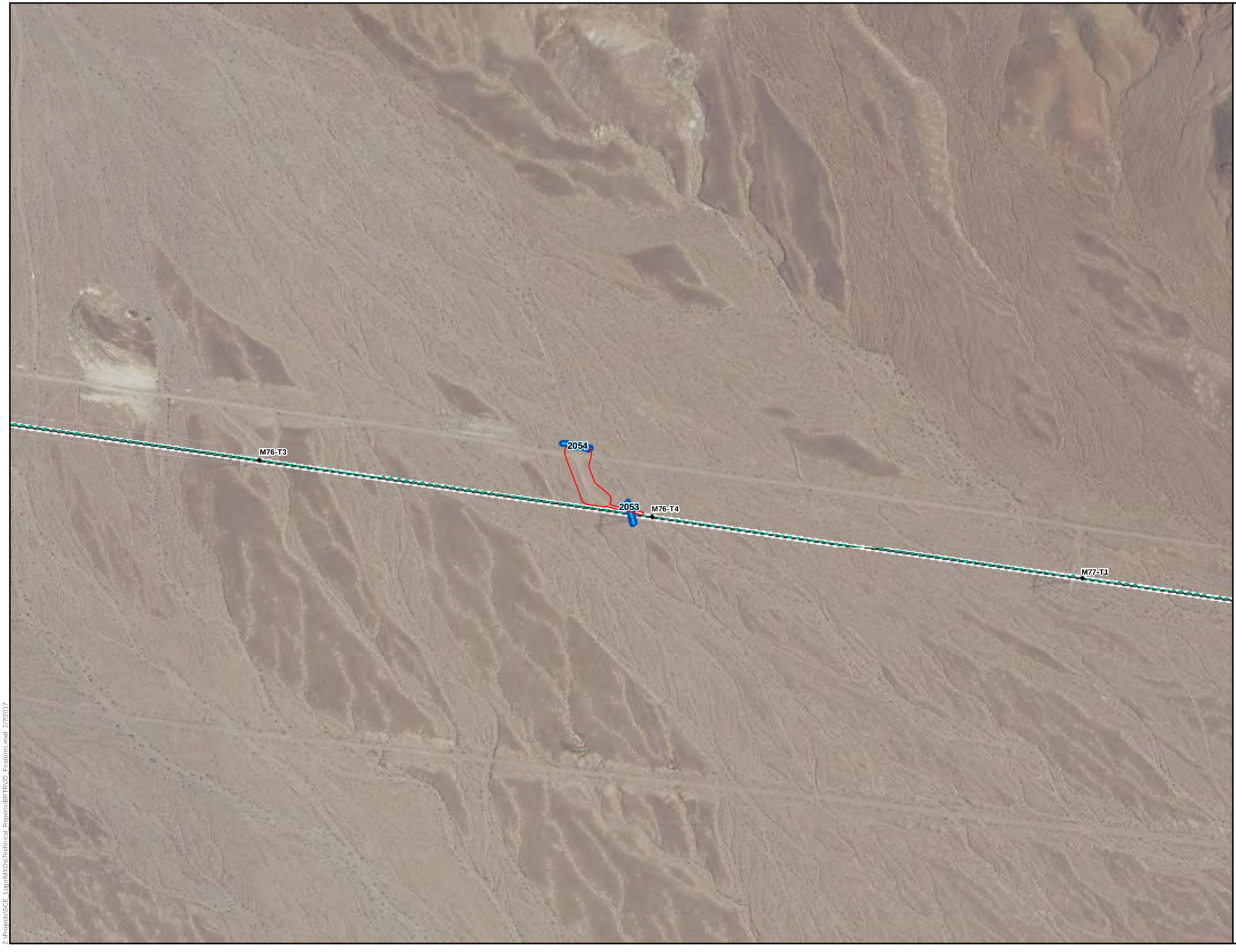

Attachment B:
Jurisdictional Delineation Map
Page 50 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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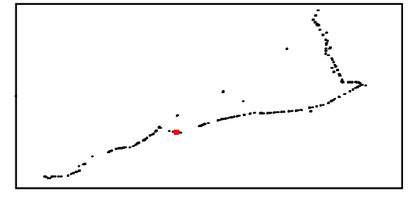

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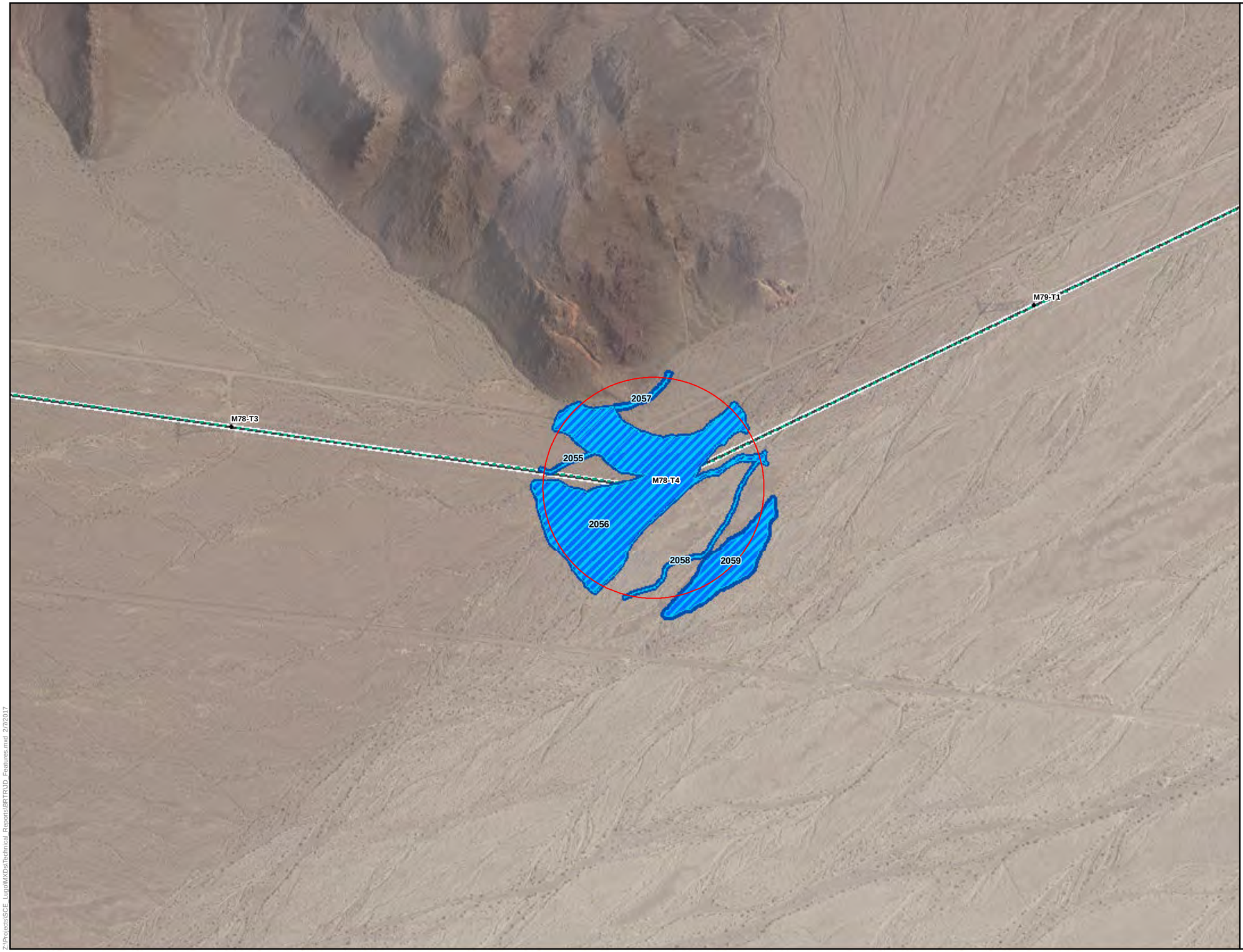

Attachment B:
Jurisdictional Delineation Map
Page 51 of 153

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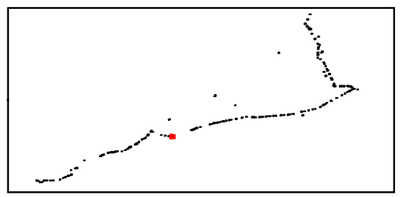

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Attachment B:
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Page 52 of 153

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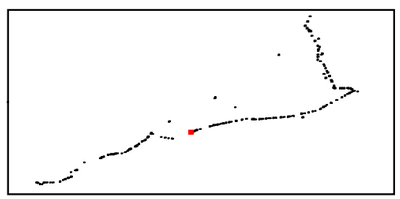

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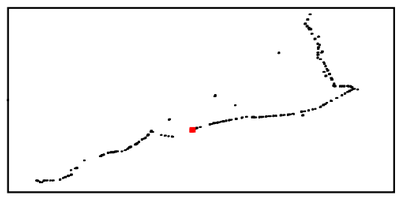

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Attachment B:
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Page 54 of 153

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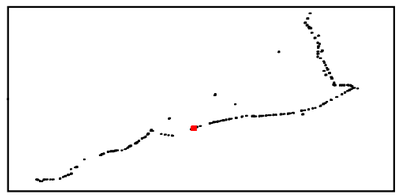

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Attachment B:
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Page 55 of 153

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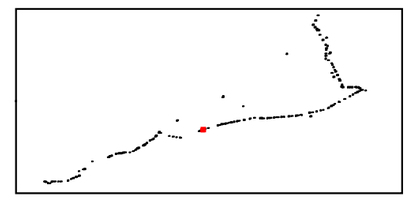

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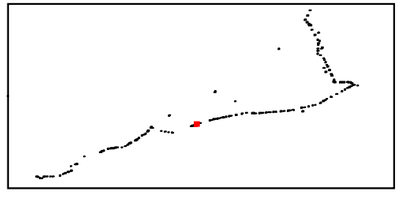

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Page 57 of 153

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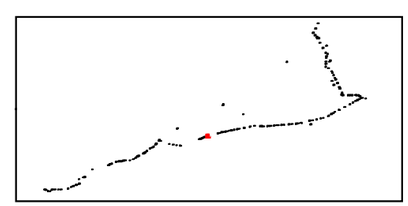

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INSIGNIA ENVIRONMENTAL

Source: Insignia, 2016; SCE

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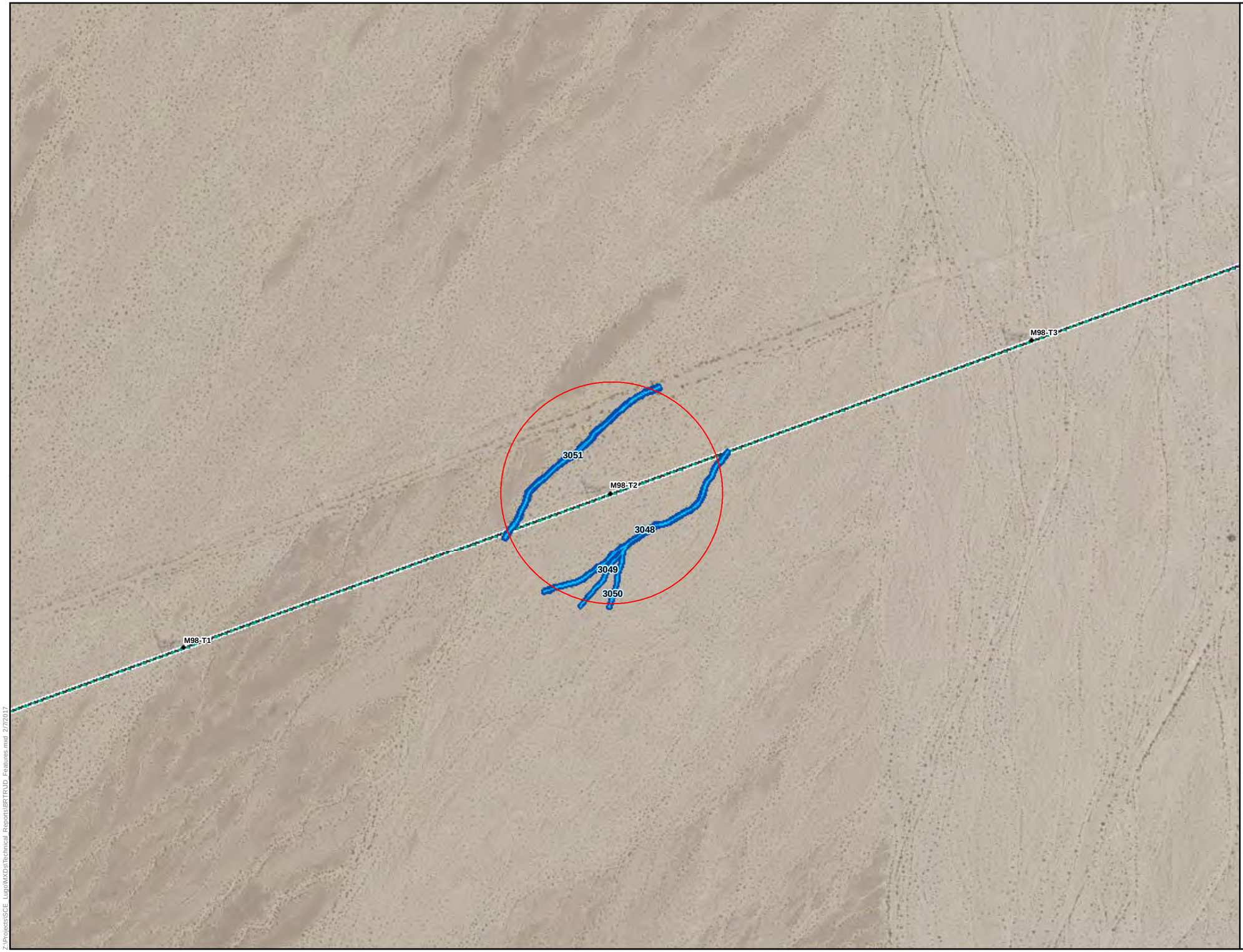

Attachment B:
Jurisdictional Delineation Map
Page 58 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
- Eldorado - Lugo 500 kV Transmission Line
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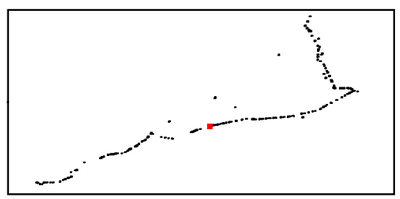

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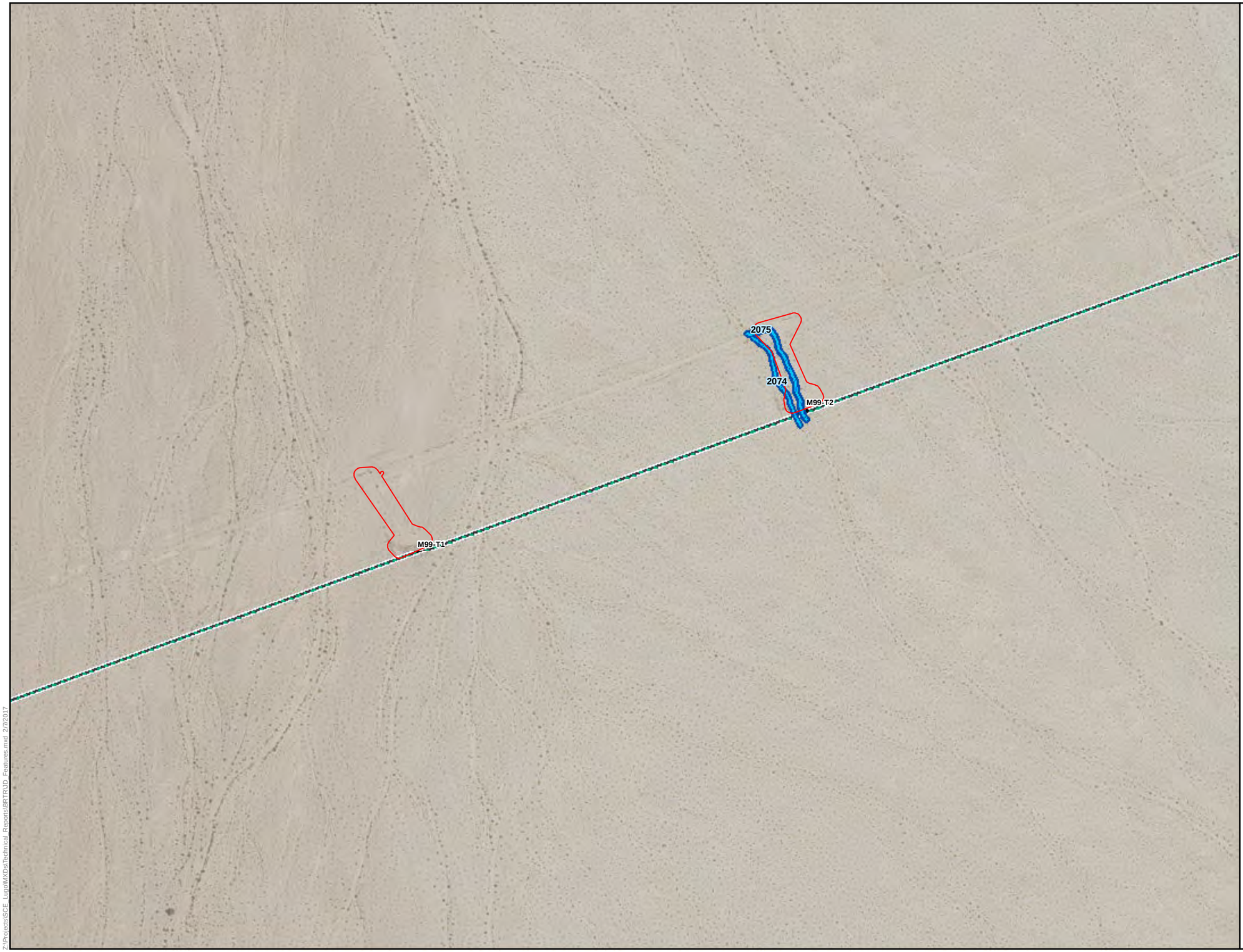

Attachment B:
Jurisdictional Delineation Map
Page 59 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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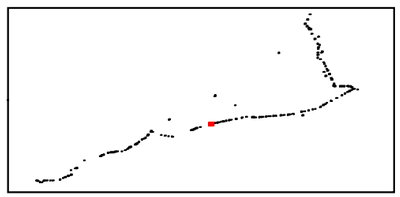

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Attachment B:
Jurisdictional Delineation Map
Page 60 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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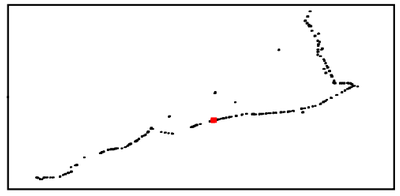

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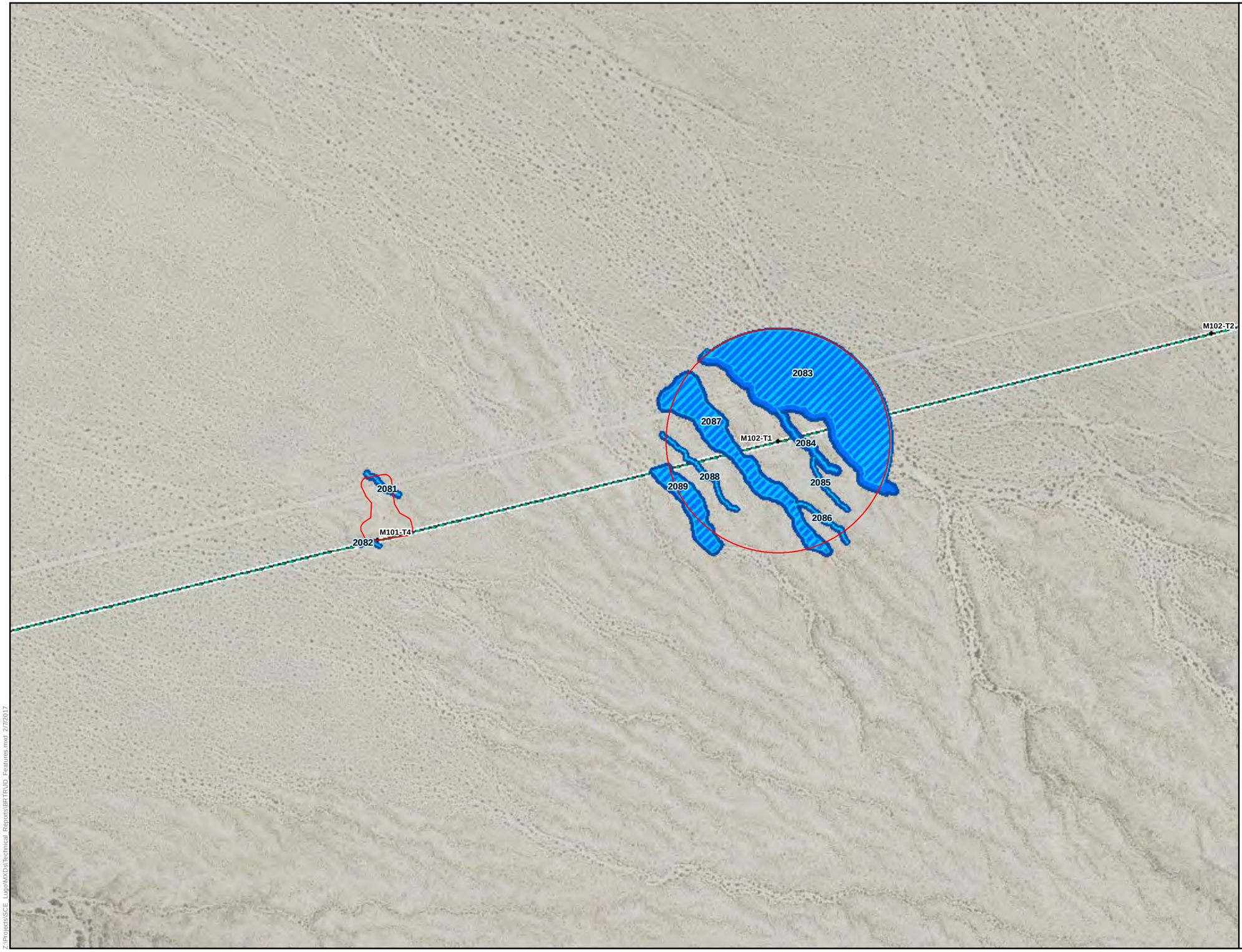

Attachment B:
Jurisdictional Delineation Map
Page 61 of 153

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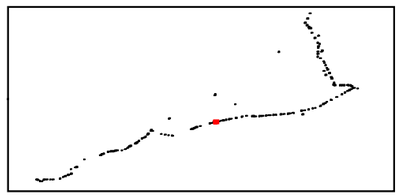

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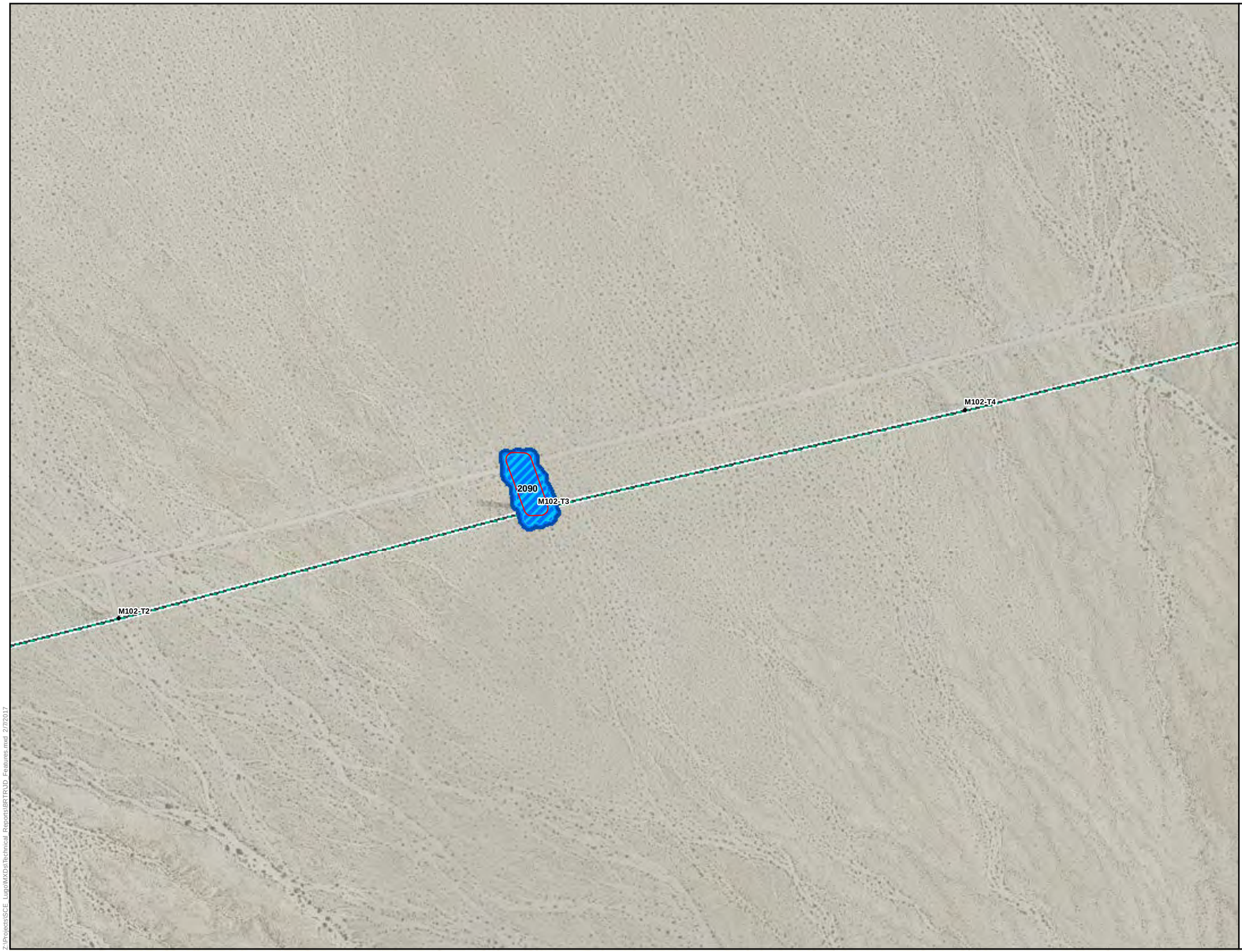

Attachment B:
Jurisdictional Delineation Map
Page 62 of 153

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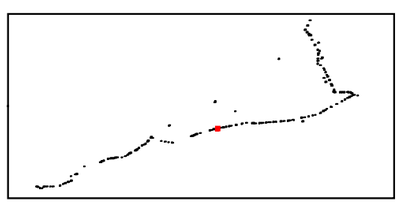

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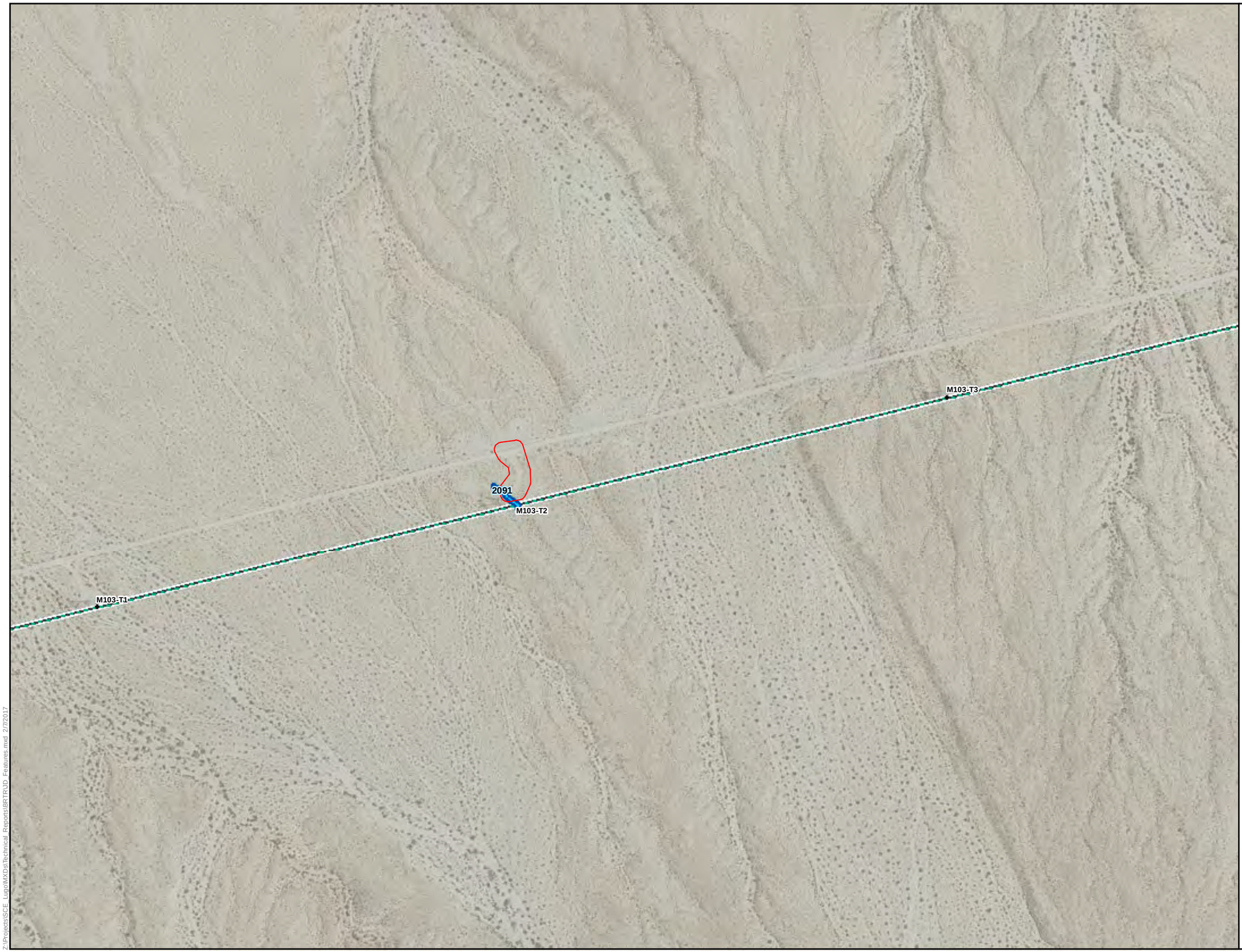
Eldorado-Lugo-Mohave Series Capacitor Project



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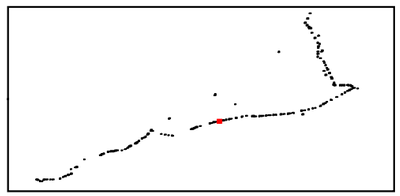

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Attachment B:
Jurisdictional Delineation Map
Page 64 of 153

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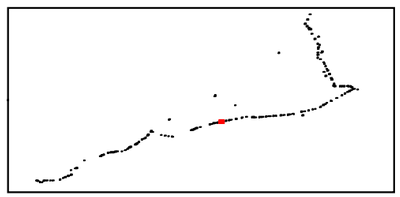

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Attachment B:
Jurisdictional Delineation Map
Page 65 of 153

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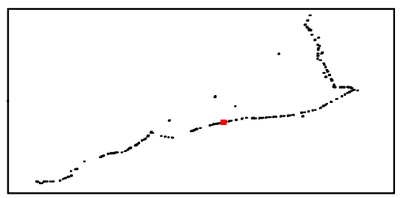

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Attachment B:
Jurisdictional Delineation Map
Page 66 of 153

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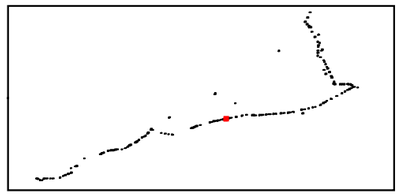

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Attachment B:
Jurisdictional Delineation Map
Page 67 of 153

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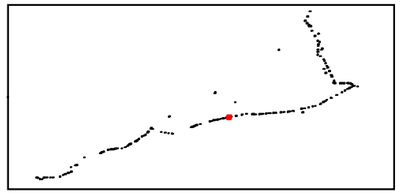

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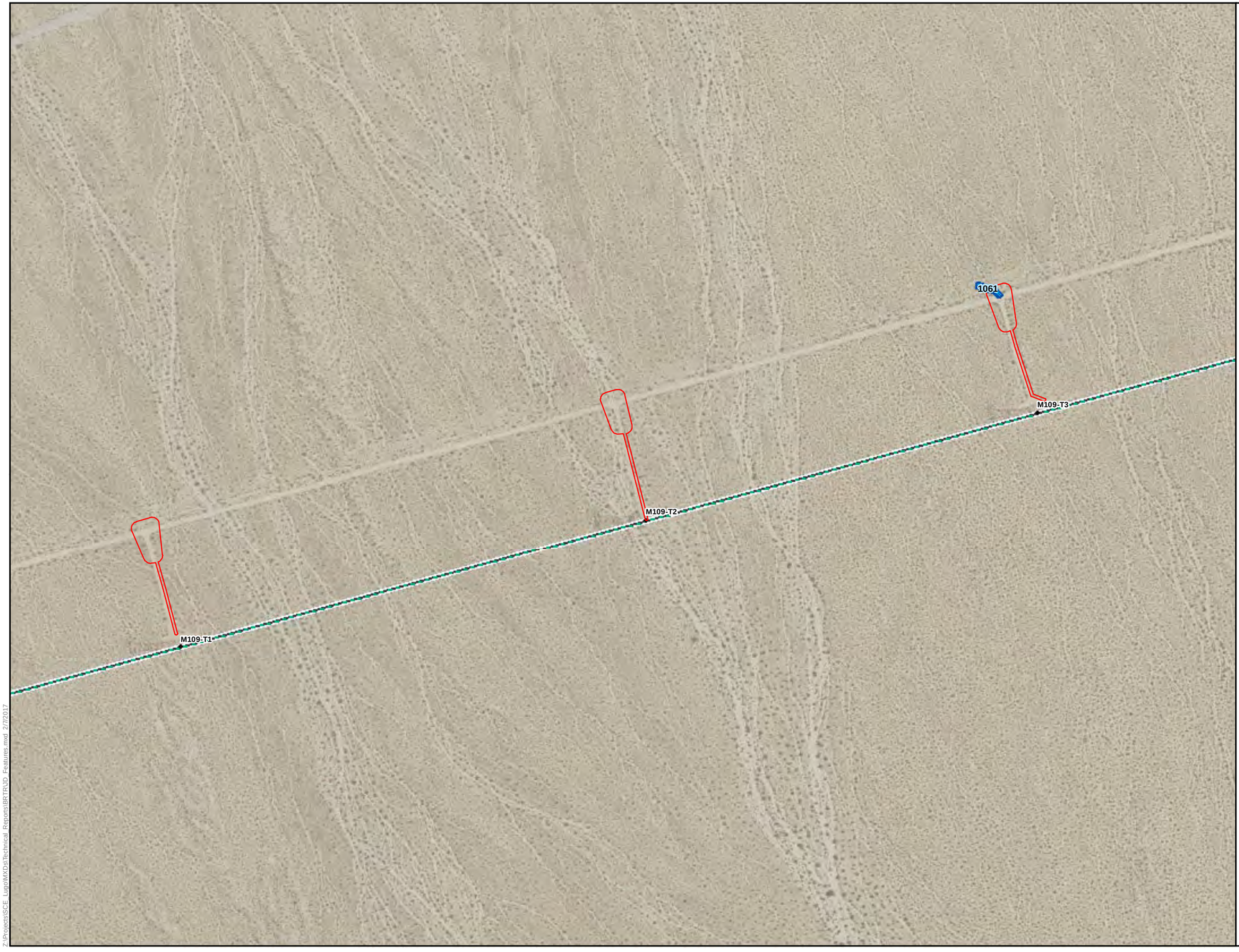

Attachment B:
Jurisdictional Delineation Map
Page 68 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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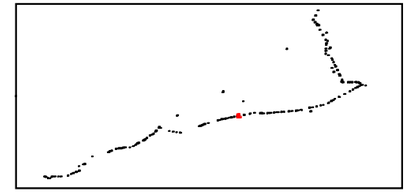

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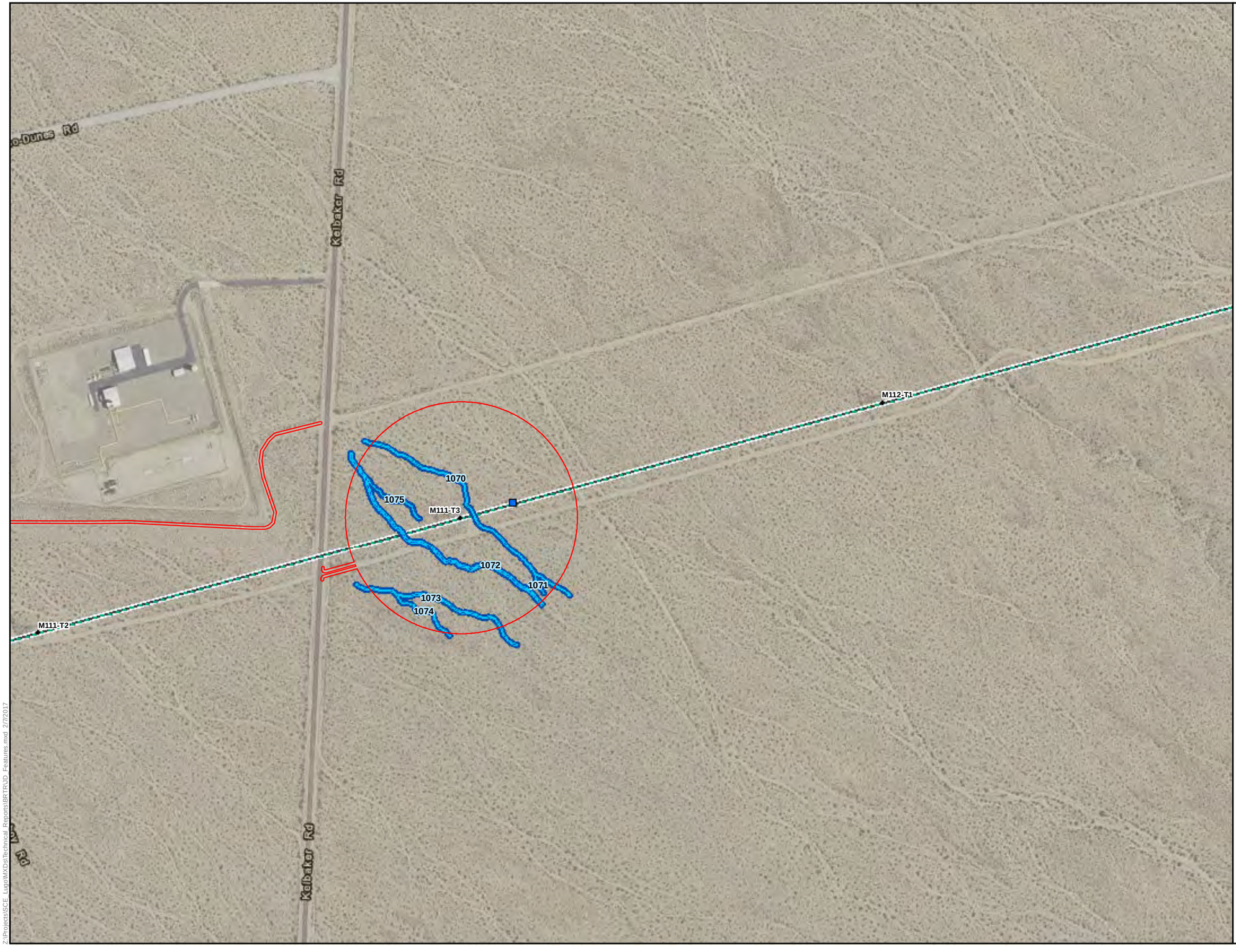

Attachment B: Jurisdictional Delineation Map Page 69 of 153

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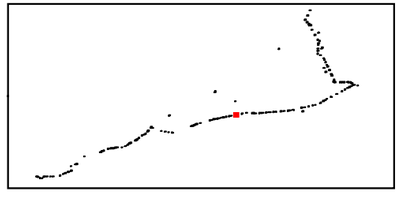

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Source: Insignia, 2016; SCE

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Attachment B:
Jurisdictional Delineation Map
Page 70 of 153

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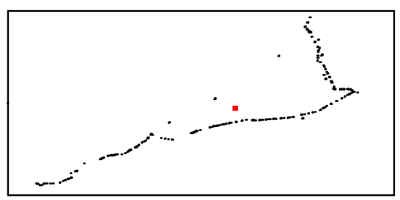

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Attachment B:
Jurisdictional Delineation Map
Page 71 of 153

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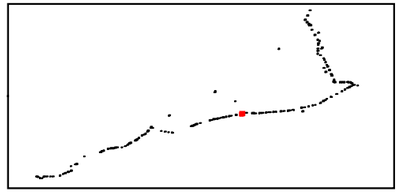

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Attachment B:
Jurisdictional Delineation Map
Page 72 of 153

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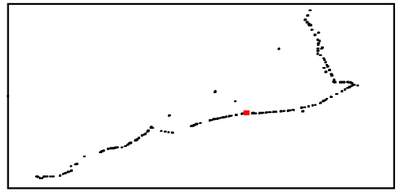

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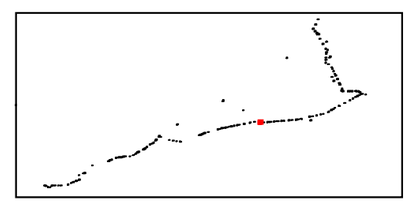

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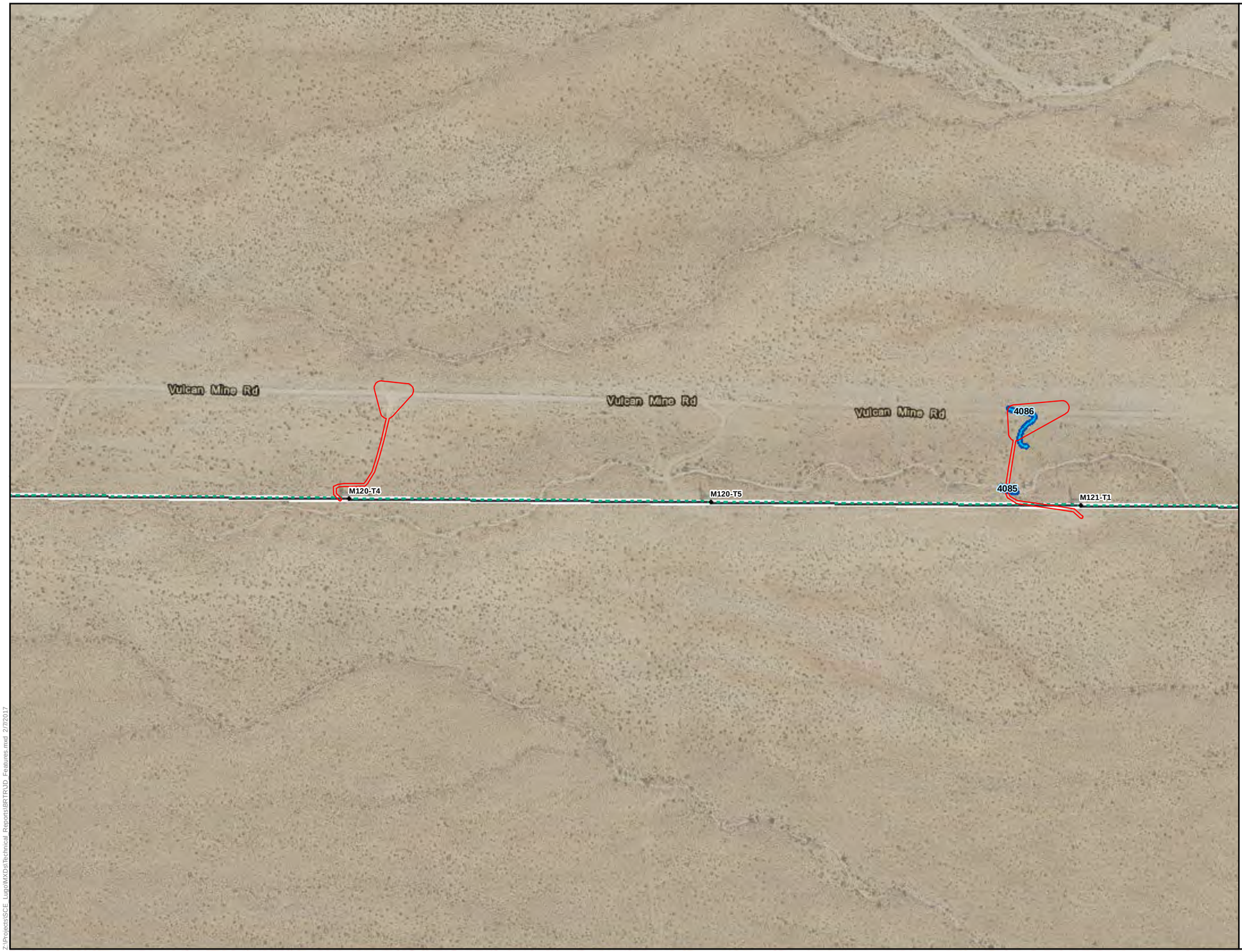

Attachment B:
Jurisdictional Delineation Map
Page 74 of 153

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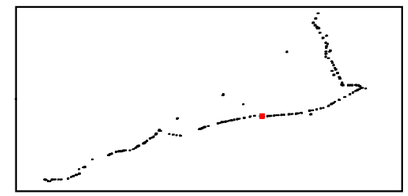

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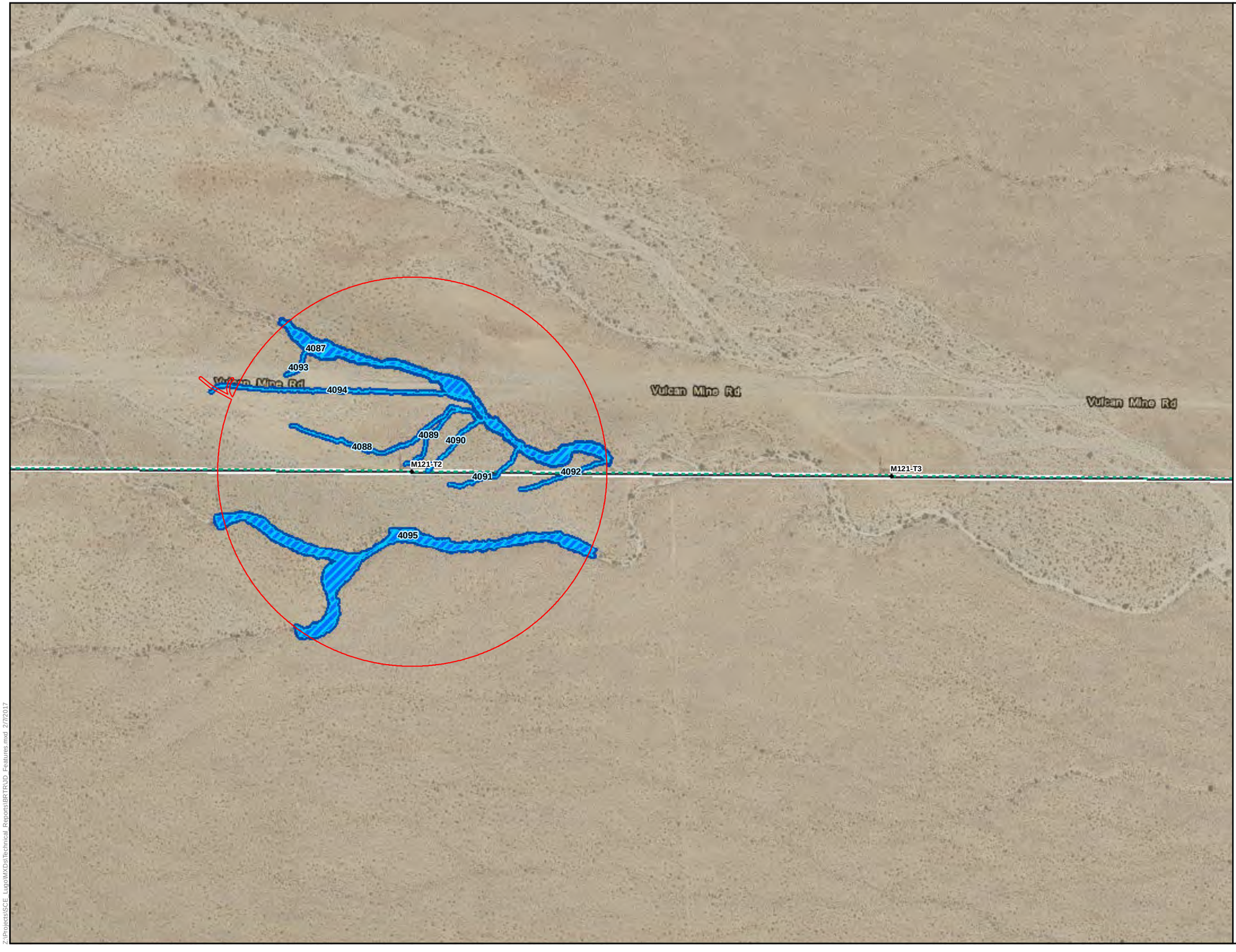

Attachment B: Jurisdictional Delineation Map Page 75 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
- Eldorado - Lugo 500 kV Transmission Line
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USACE-Jurisdictional Areas

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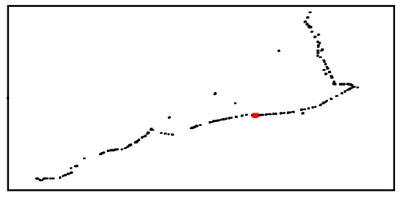

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SOUTHERN CALIFORNIA EDISON
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INSIGNIA ENVIRONMENTAL

Source: Insignia, 2016; SCE

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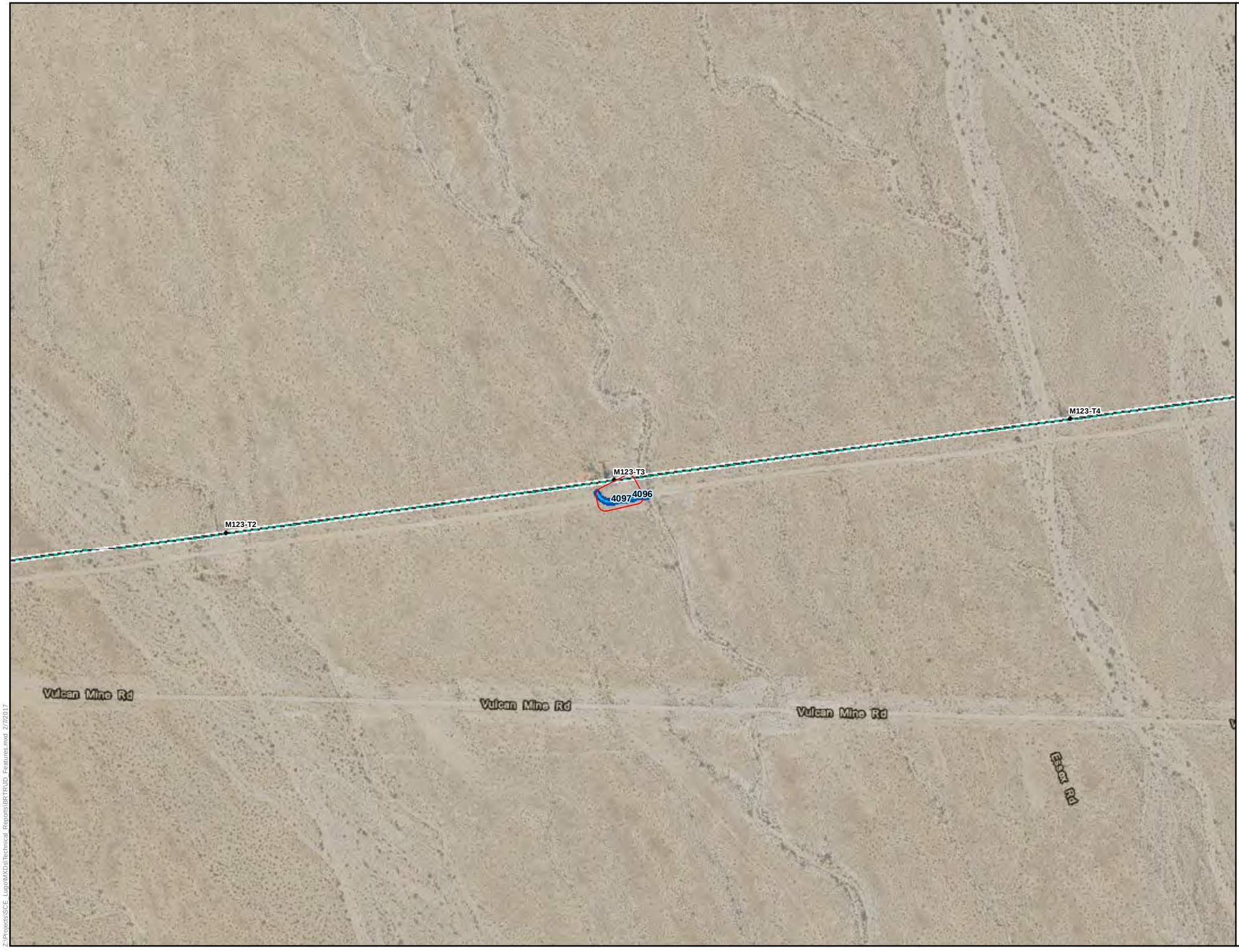

Attachment B:
Jurisdictional Delineation Map
Page 76 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
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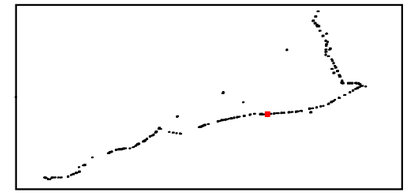

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SOUTHERN CALIFORNIA EDISON
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INSIGNIA ENVIRONMENTAL

Source: Insignia, 2016; SCE

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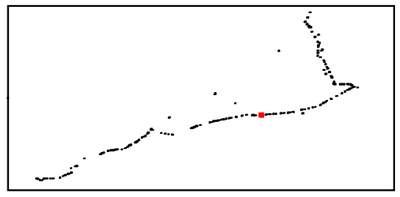

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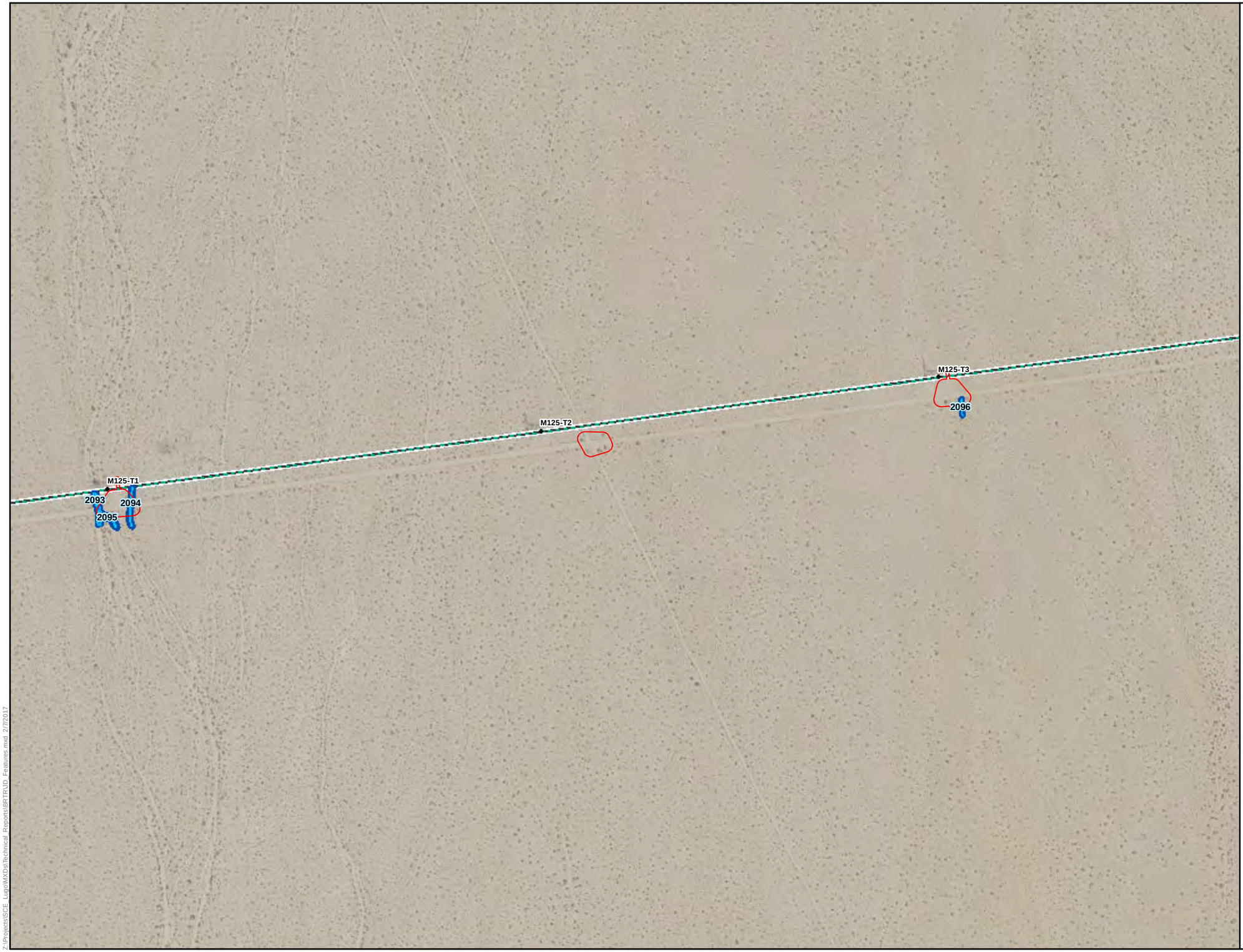

Attachment B:
Jurisdictional Delineation Map
Page 78 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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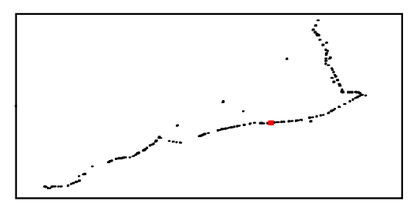

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SOUTHERN CALIFORNIA EDISON
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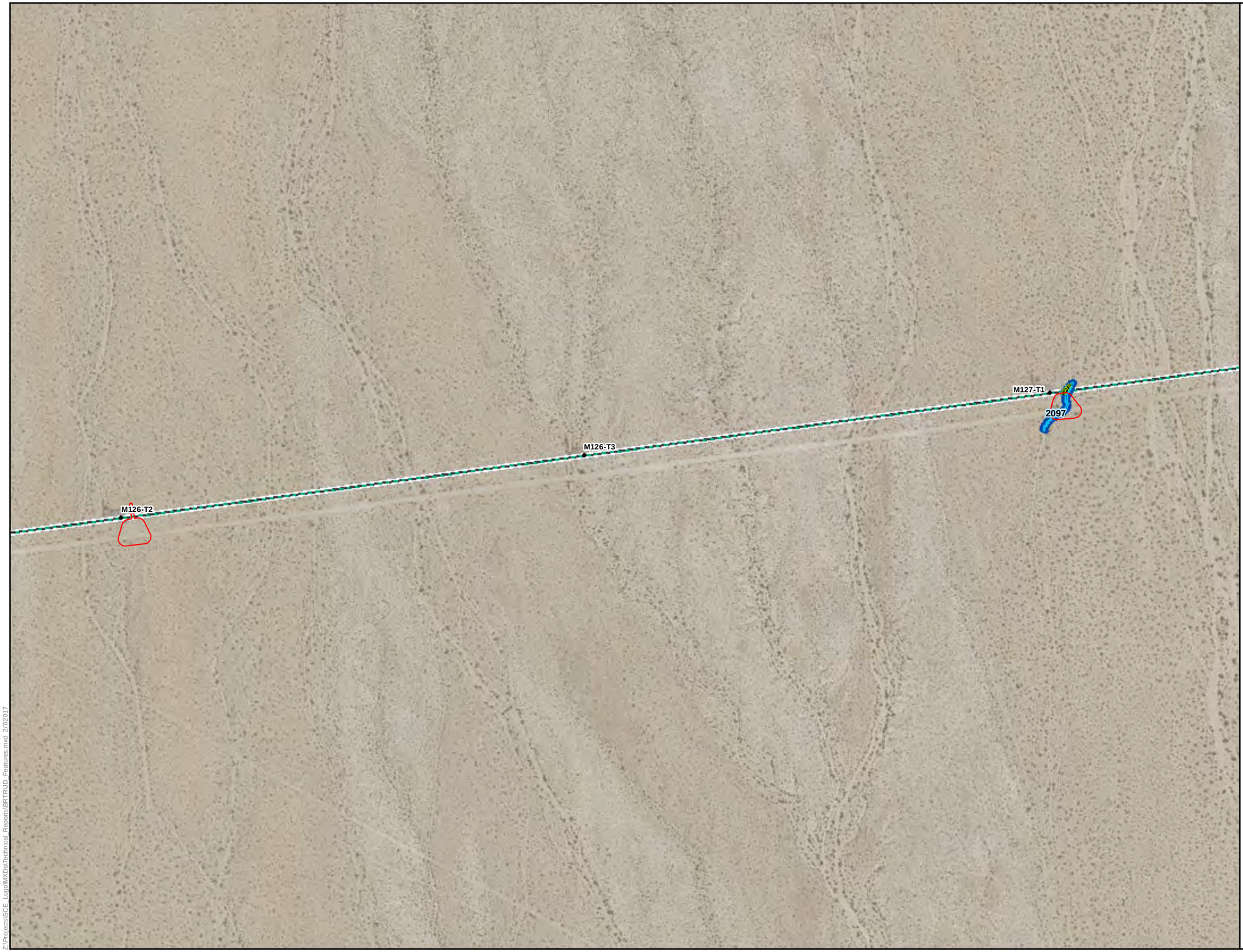

Attachment B:
Jurisdictional Delineation Map
Page 79 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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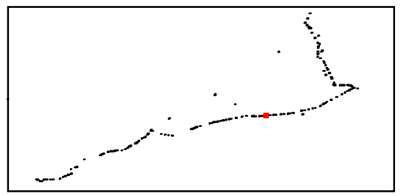

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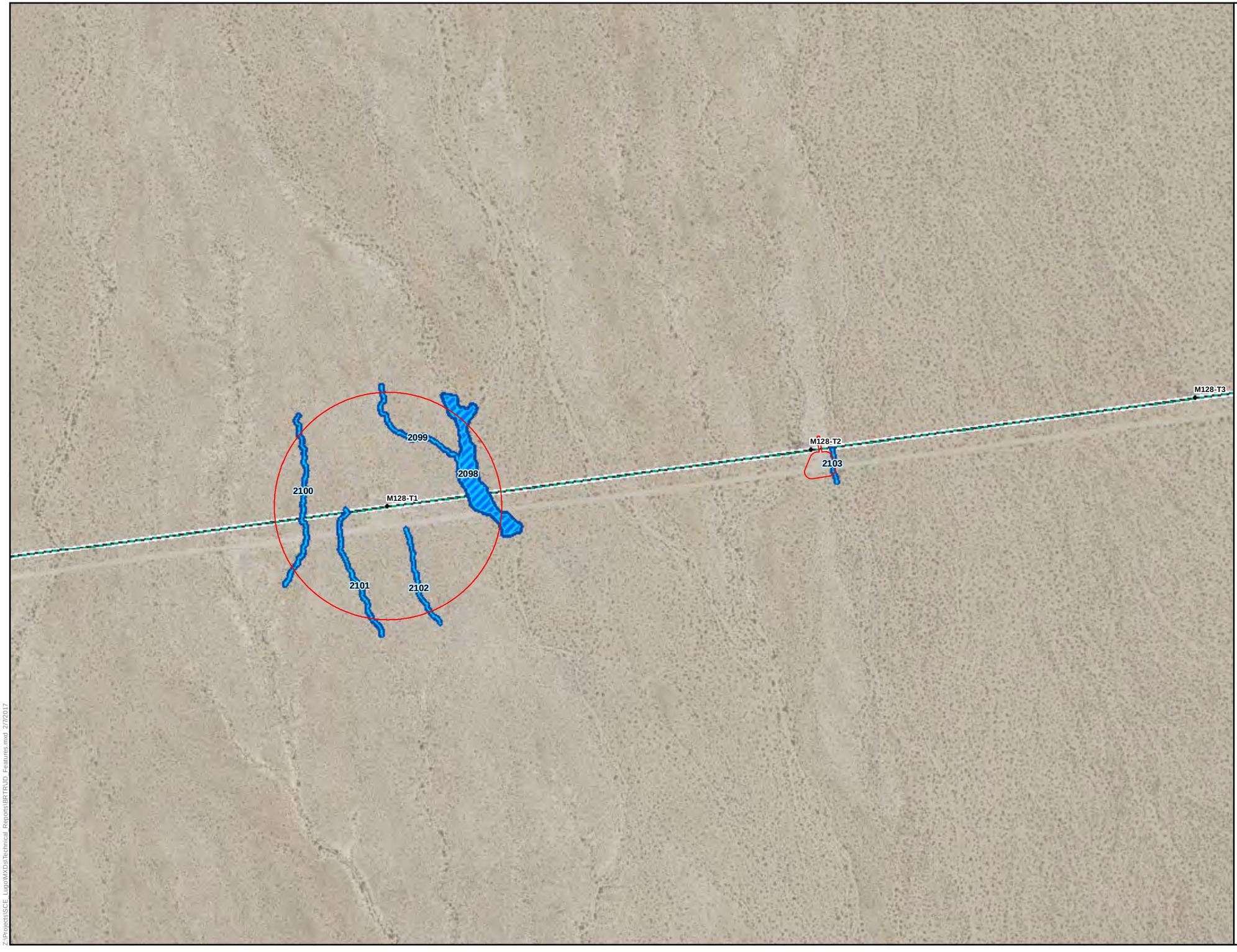
Eldorado-Lugo-Mohave Series Capacitor Project



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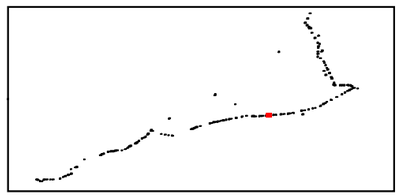

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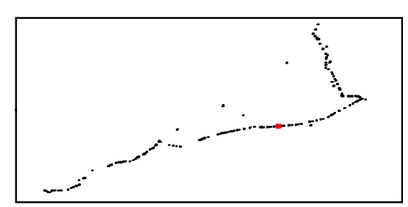

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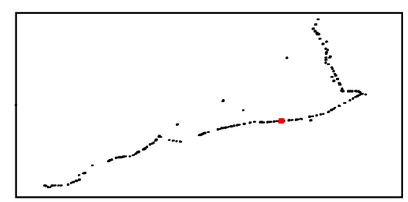

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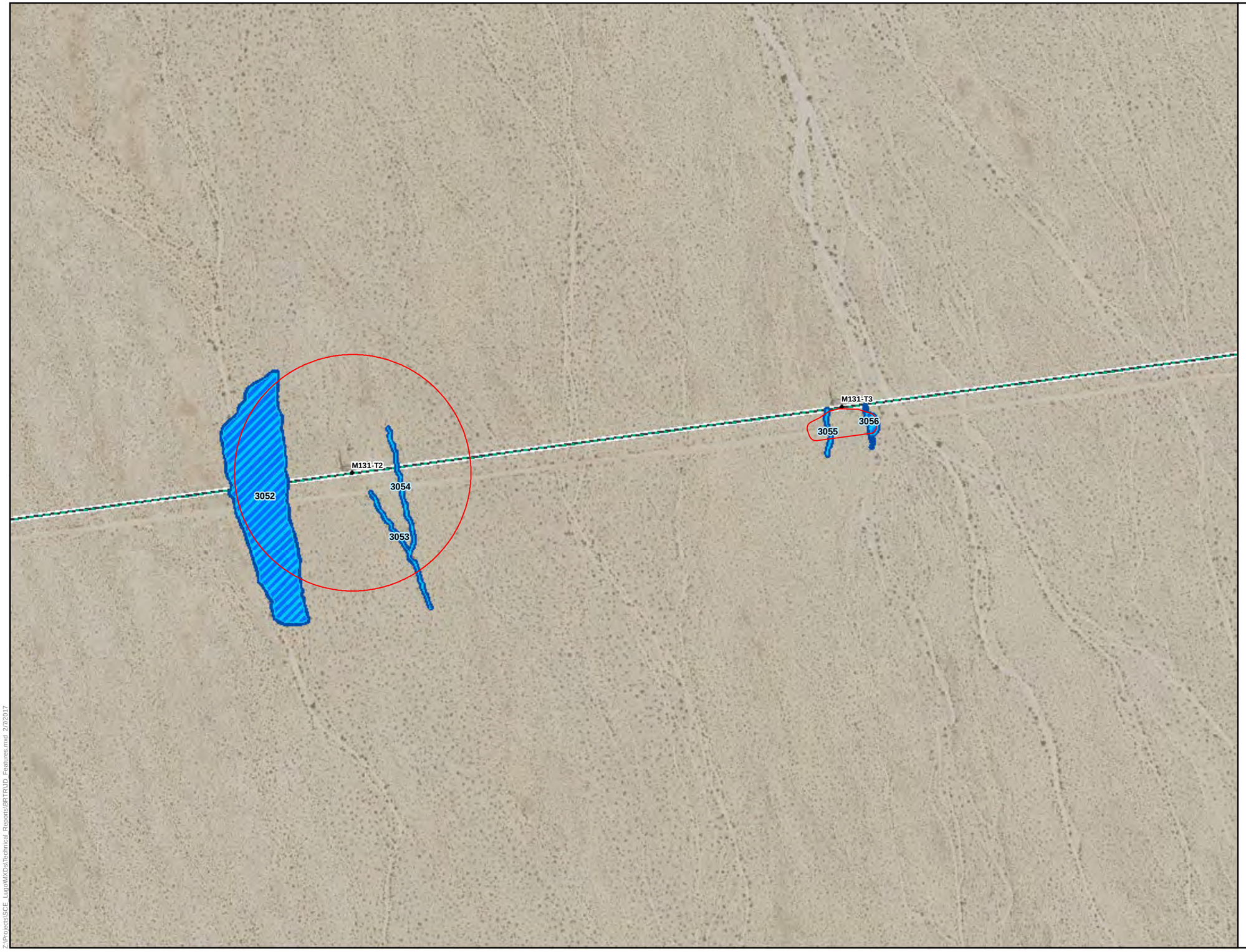

Attachment B:
Jurisdictional Delineation Map
Page 83 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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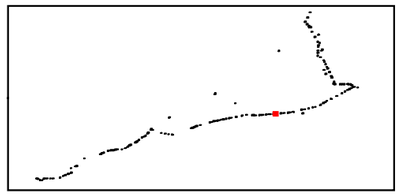

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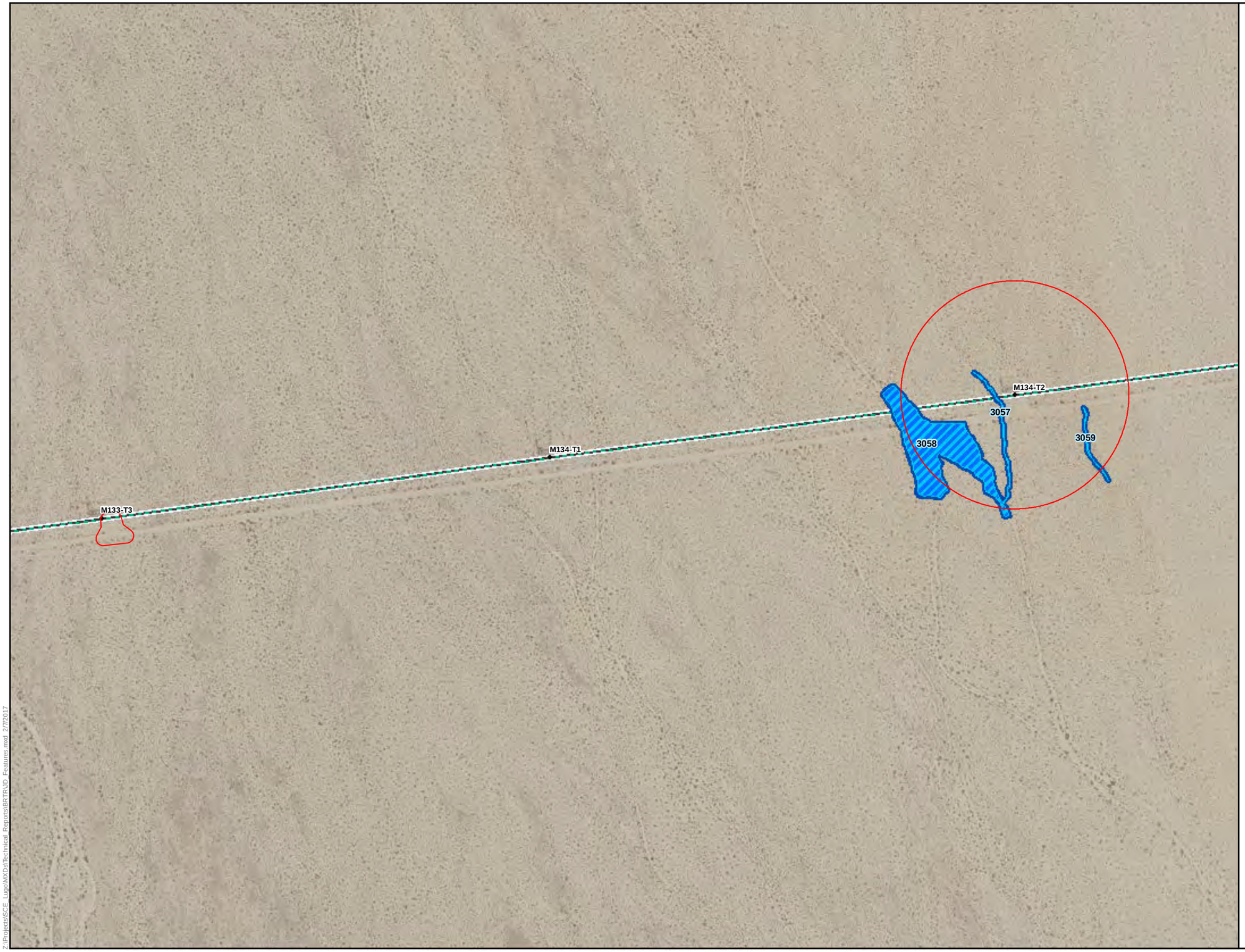
Eldorado-Lugo-Mohave Series Capacitor Project



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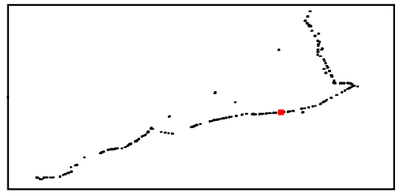

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SOUTHERN CALIFORNIA EDISON
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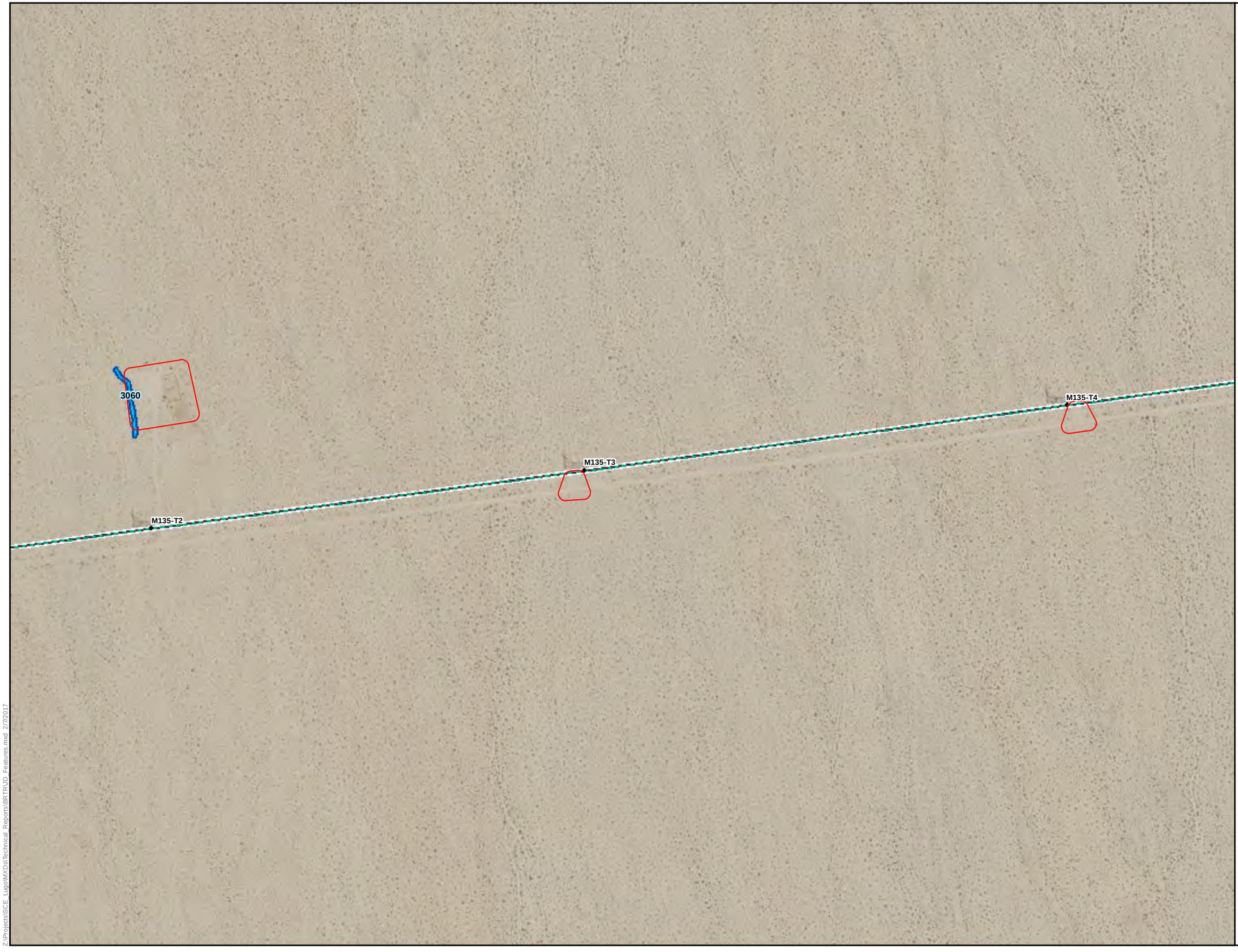

Attachment B:
Jurisdictional Delineation Map
Page 85 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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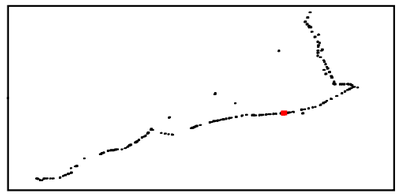

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SOUTHERN CALIFORNIA EDISON
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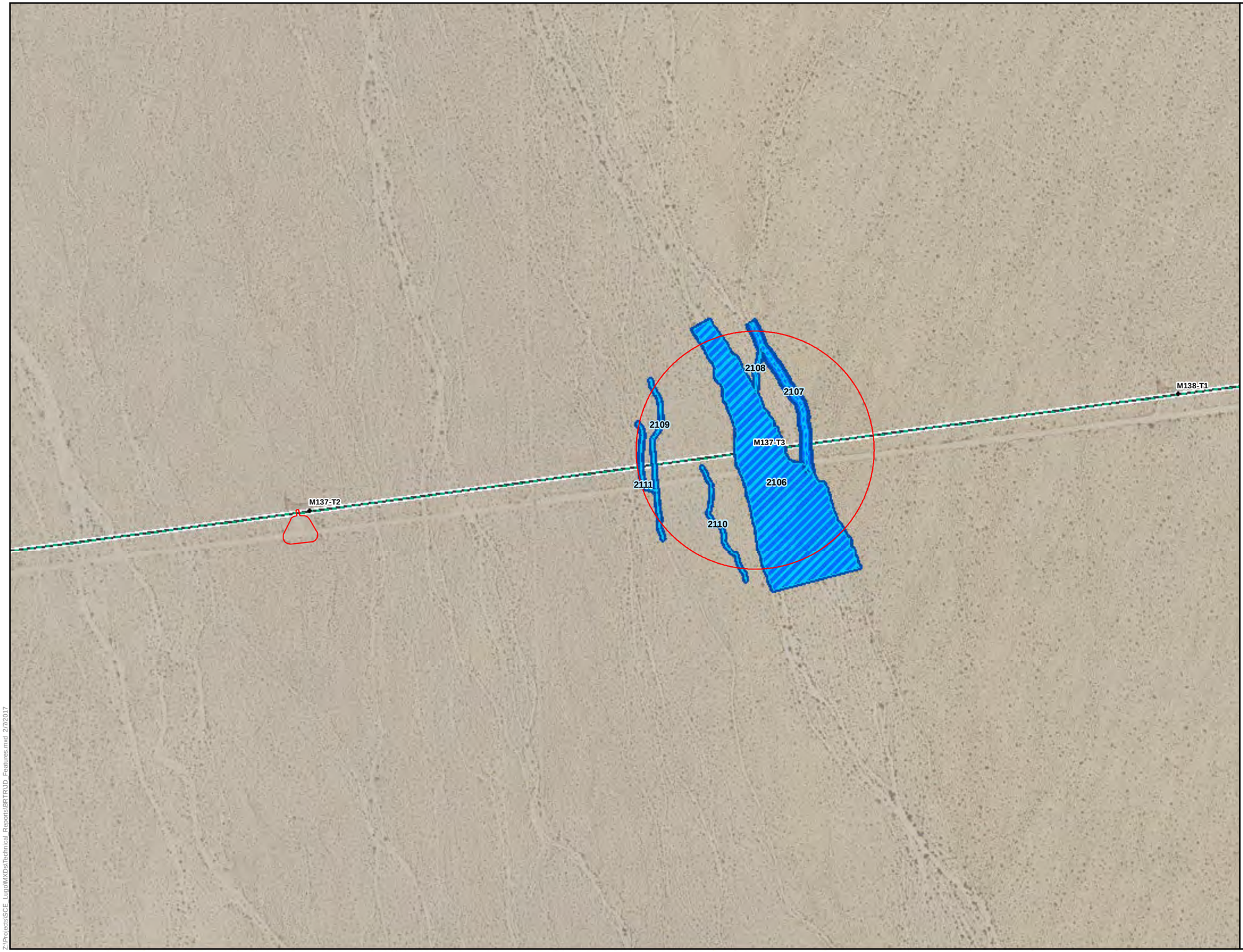
Eldorado-Lugo-Mohave Series Capacitor Project



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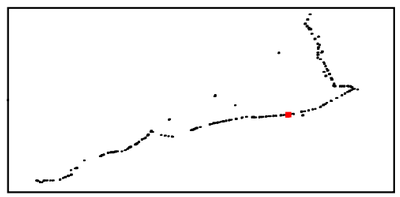

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SOUTHERN CALIFORNIA EDISON
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Attachment B:
Jurisdictional Delineation Map
Page 87 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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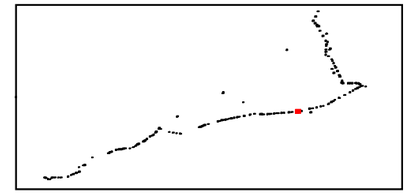

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Attachment B:
Jurisdictional Delineation Map
Page 88 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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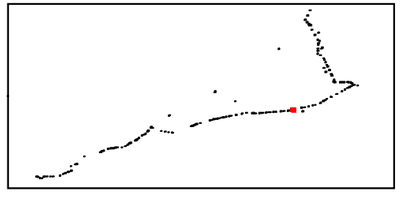

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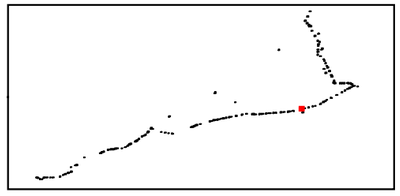

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SOUTHERN CALIFORNIA EDISON
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Attachment B:
Jurisdictional Delineation Map
Page 90 of 153

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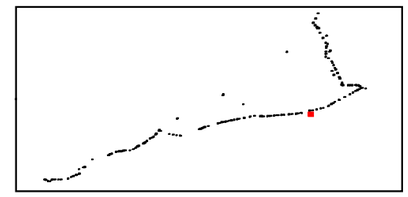

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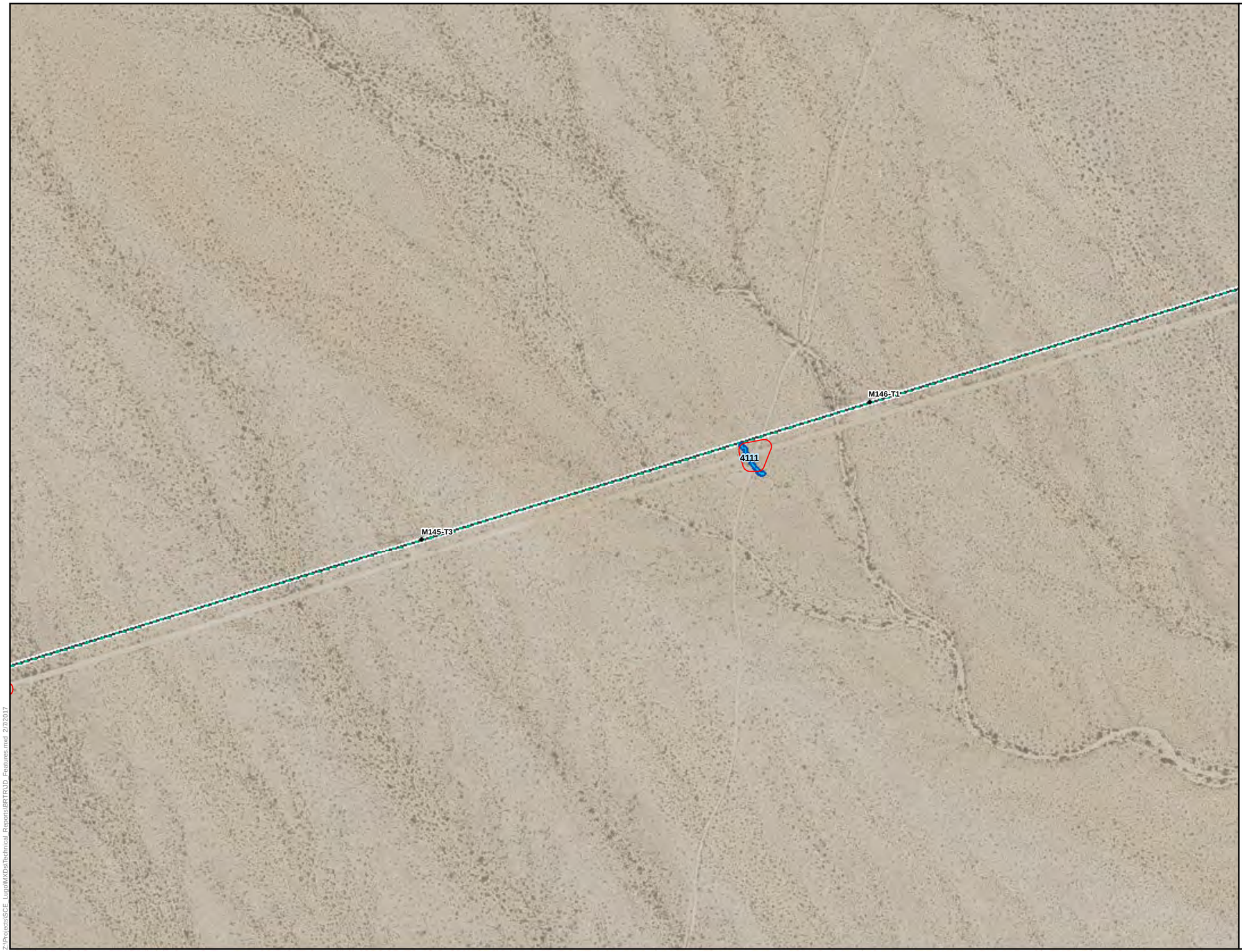
Jurisdictional Delineation Map

Eldorado-Lugo-Mohave Series Capacitor Project



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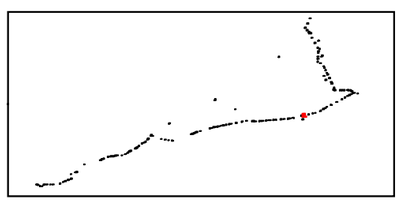

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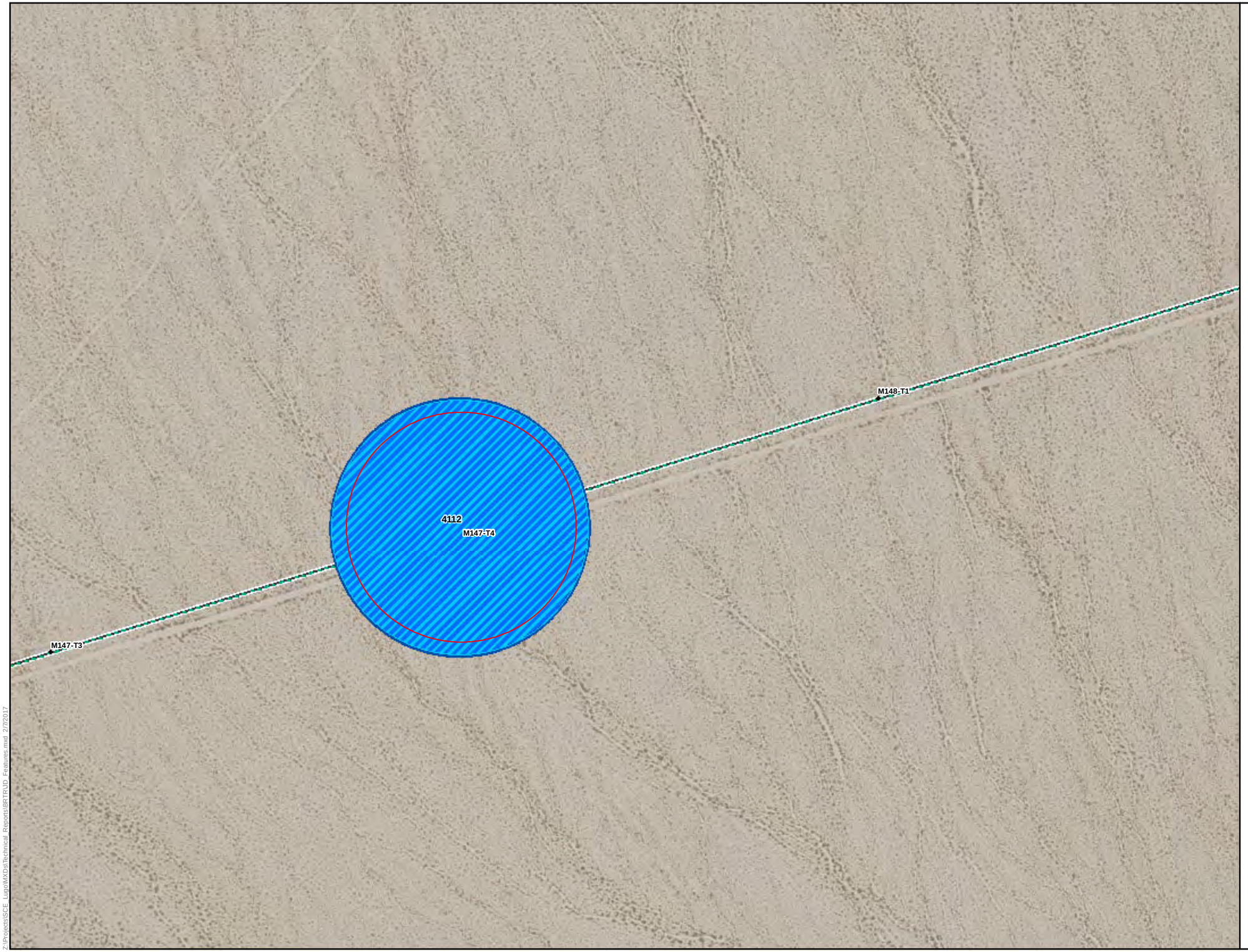
Eldorado-Lugo-Mohave Series Capacitor Project



- Substation
- Mid-Line Capacitor Location
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- Eldorado - Lugo 500 kV Transmission Line
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- Wetland

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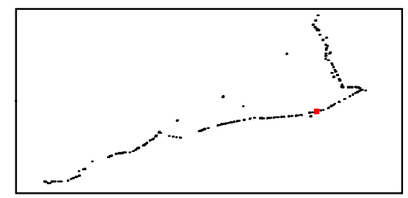

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Attachment B:
Jurisdictional Delineation Map
Page 93 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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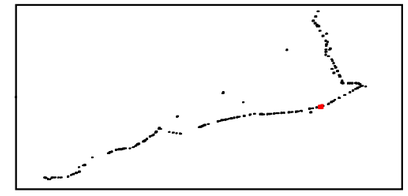

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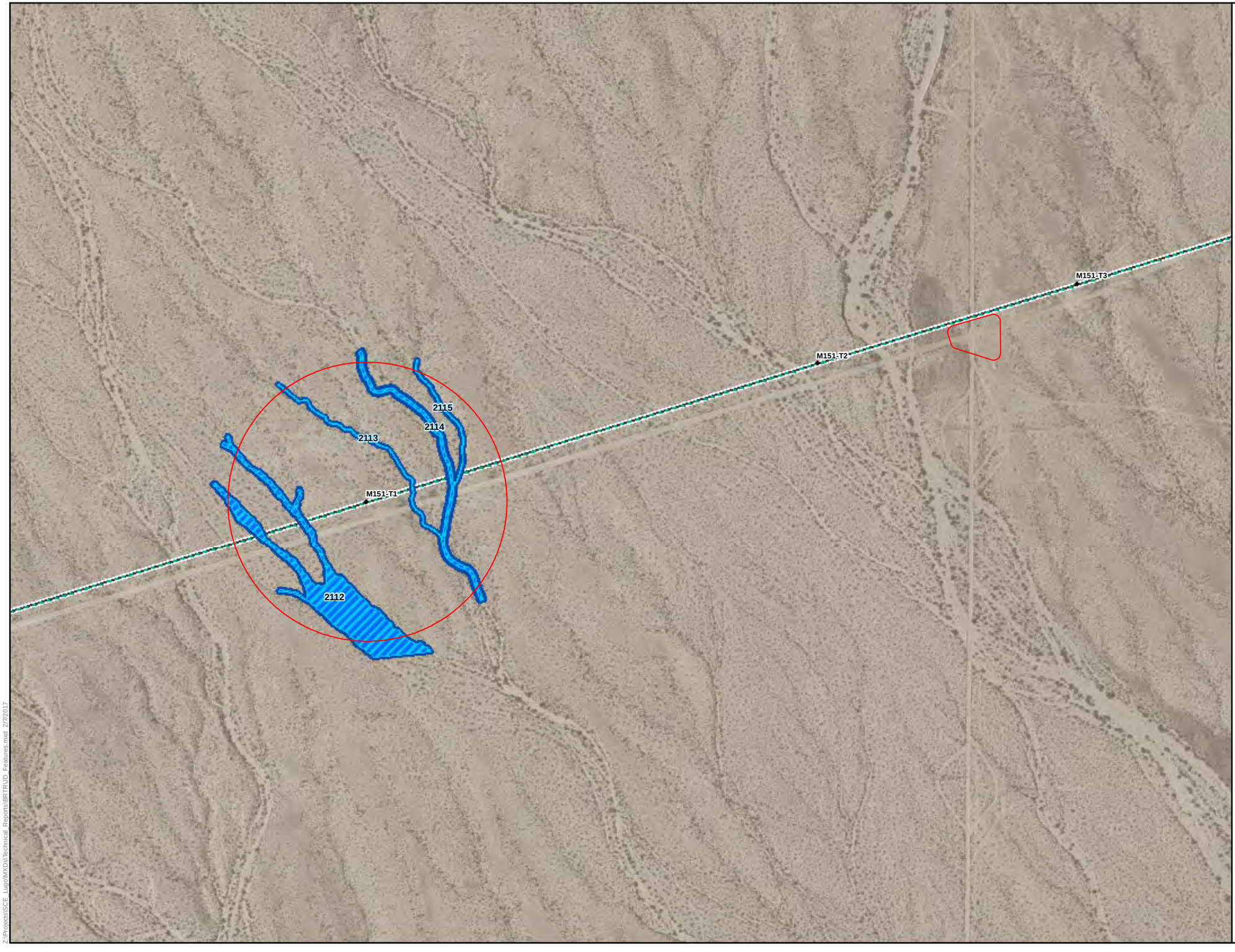

Attachment B:
Jurisdictional Delineation Map
Page 94 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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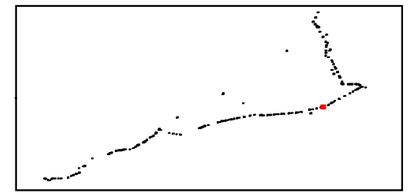

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Attachment B:
Jurisdictional Delineation Map
Page 95 of 153

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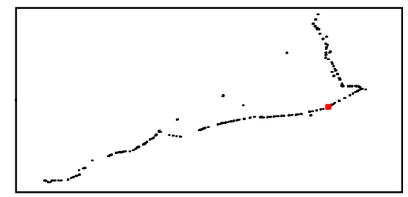

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Attachment B:
Jurisdictional Delineation Map
Page 96 of 153

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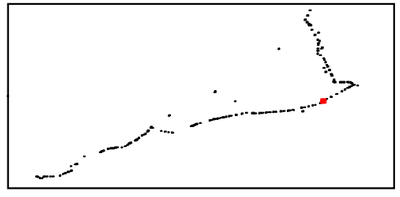

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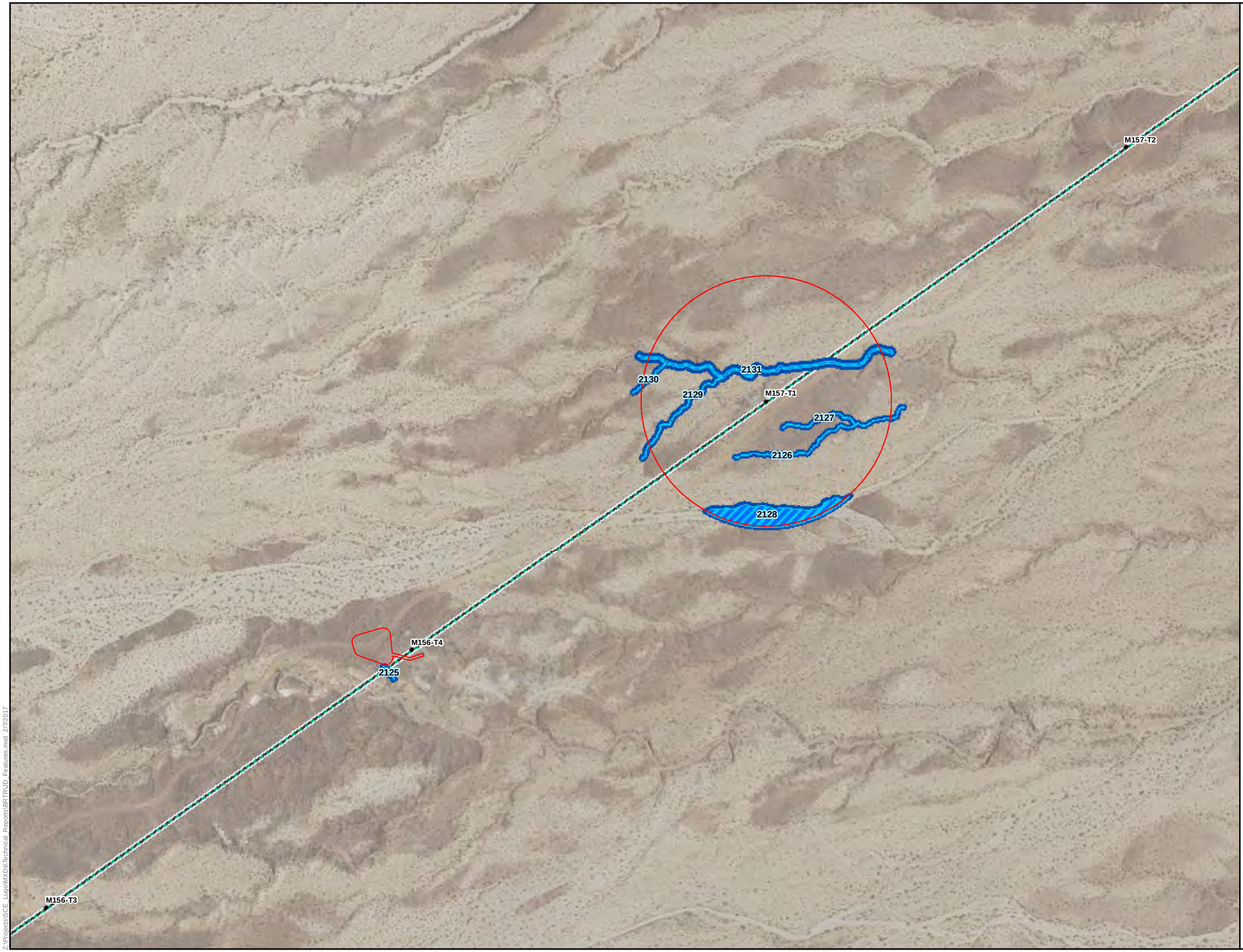

Attachment B: Jurisdictional Delineation Map Page 97 of 153

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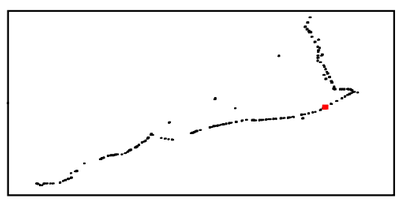

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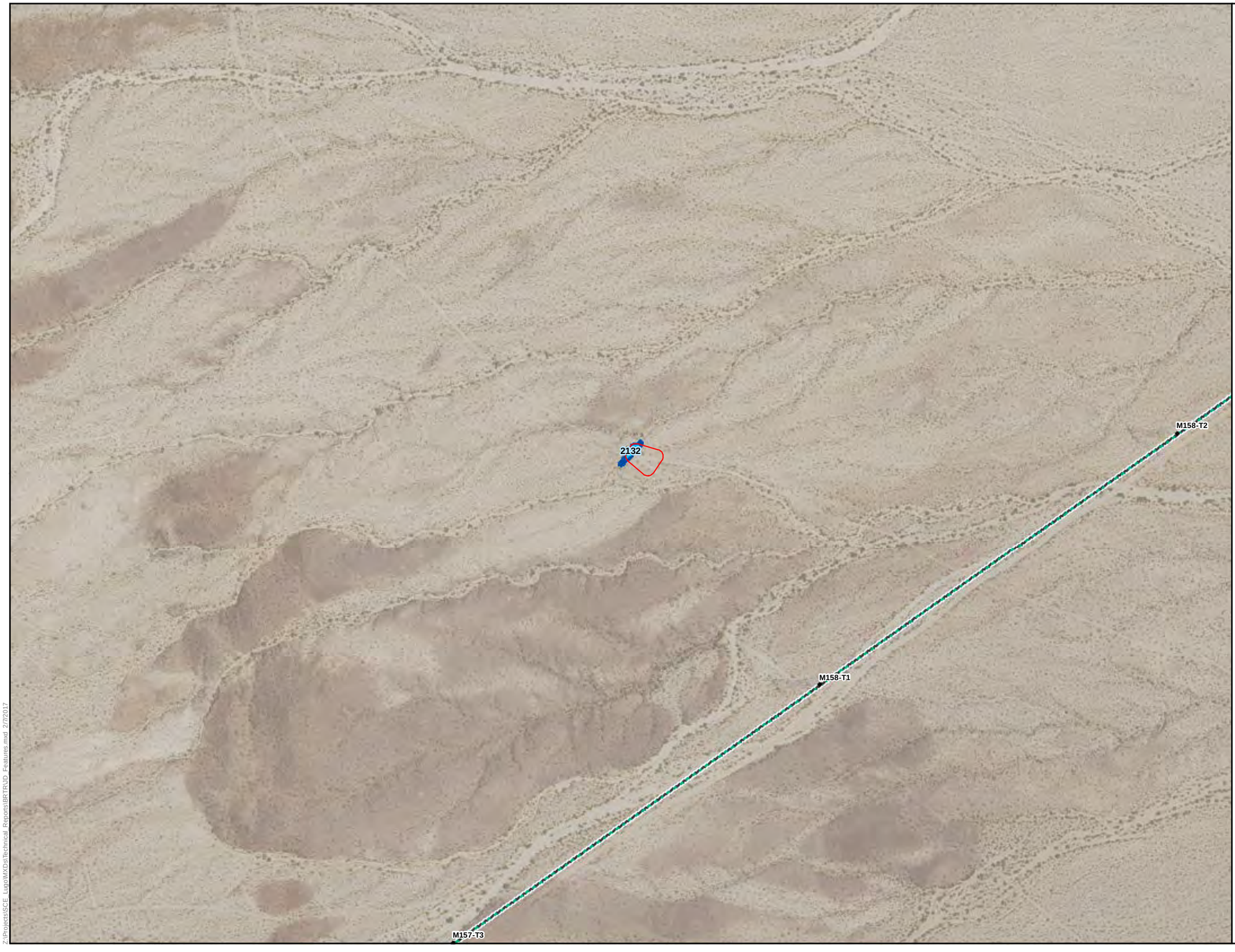

Attachment B:
Jurisdictional Delineation Map
Page 98 of 153

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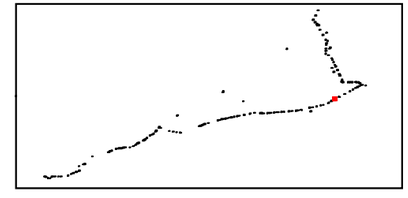

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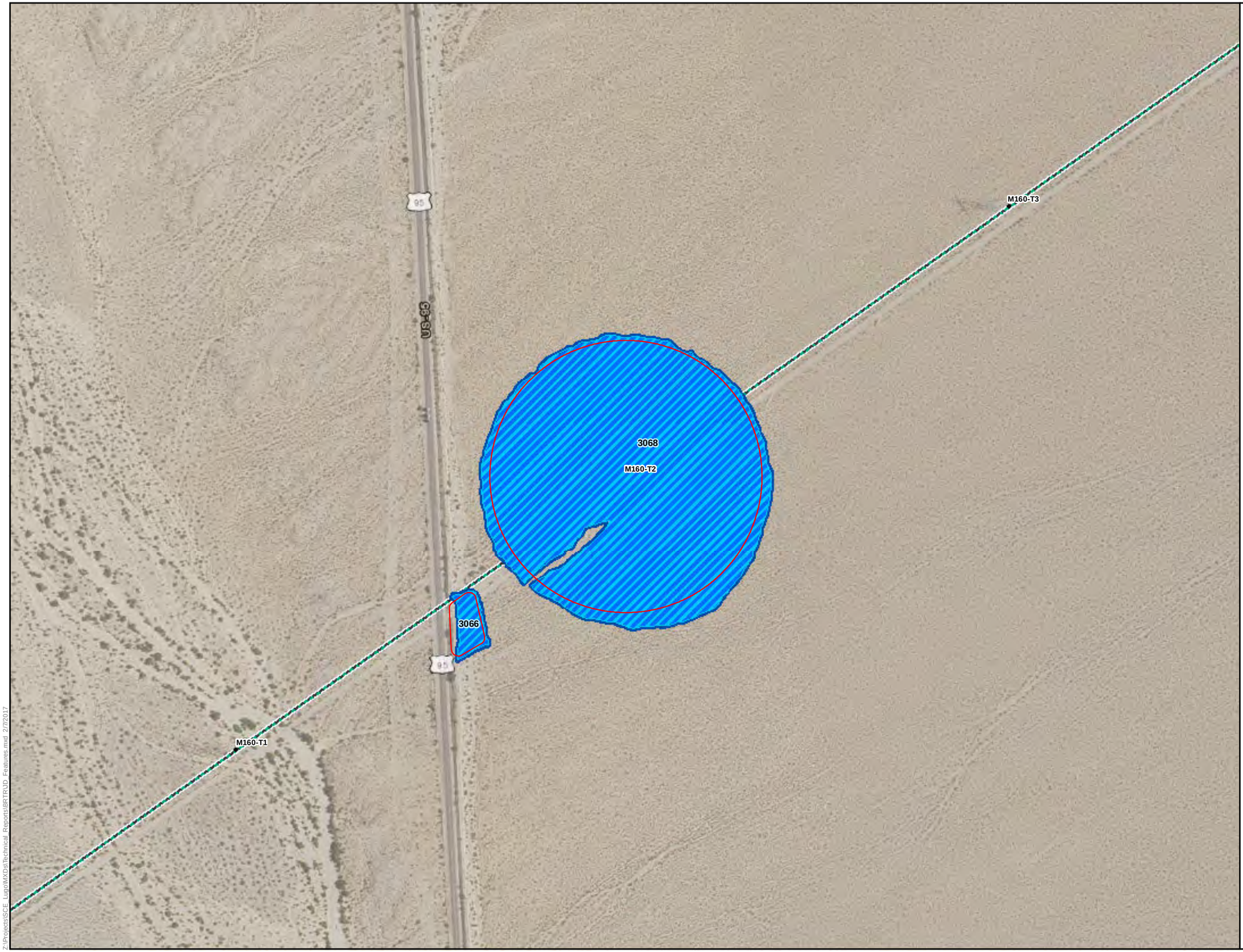
Eldorado-Lugo-Mohave Series Capacitor Project



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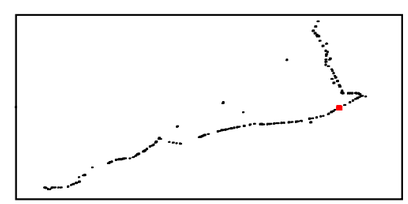

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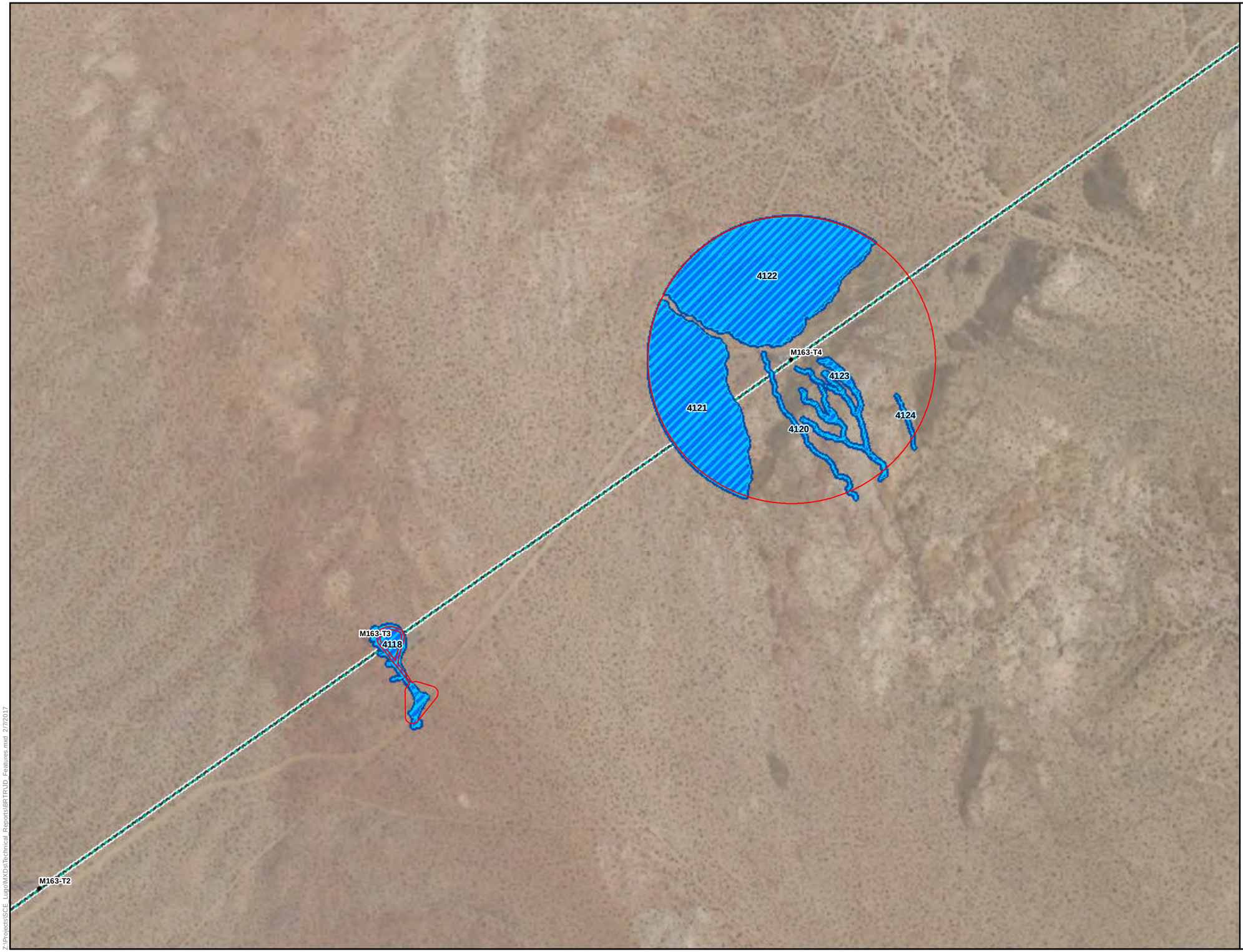

Attachment B:
Jurisdictional Delineation Map
Page 100 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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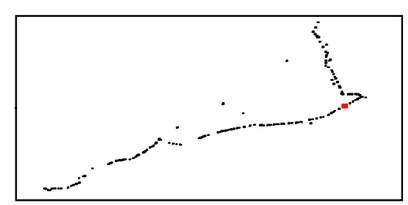

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Attachment B:
Jurisdictional Delineation Map
Page 101 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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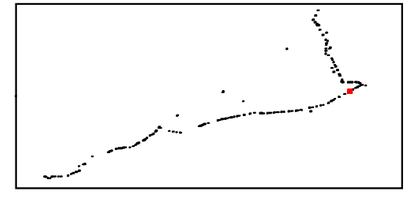

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Attachment B:
Jurisdictional Delineation Map
Page 102 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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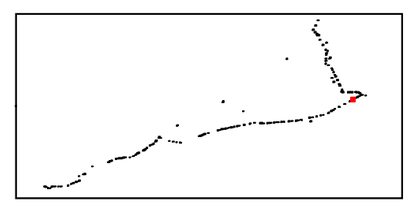

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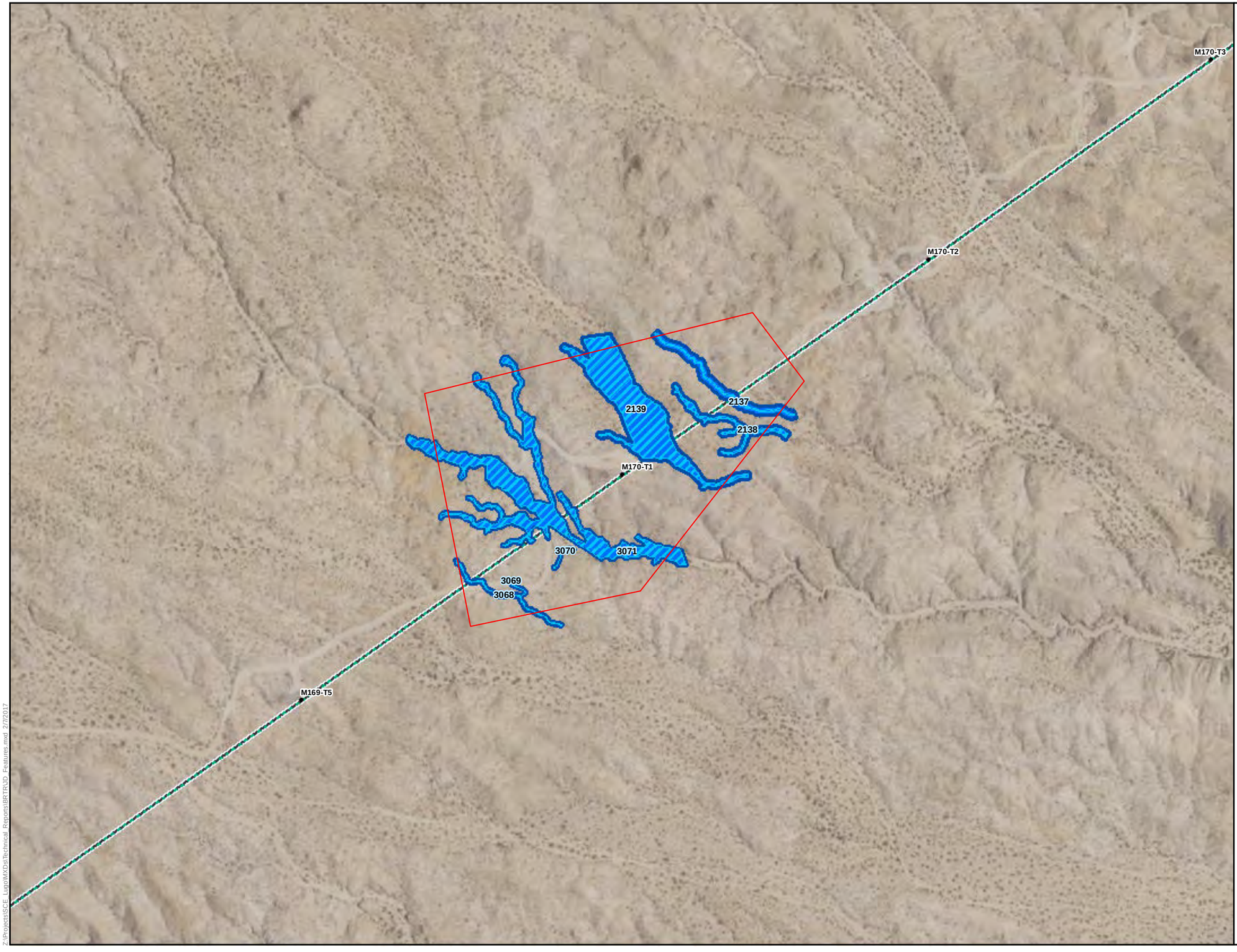

Attachment B: Jurisdictional Delineation Map Page 103 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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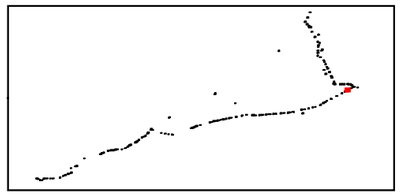

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Attachment B:
Jurisdictional Delineation Map
Page 104 of 153

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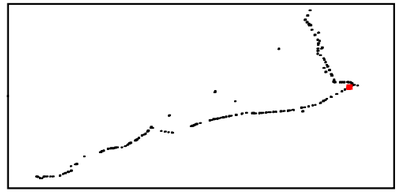

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Attachment B:
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Page 105 of 153

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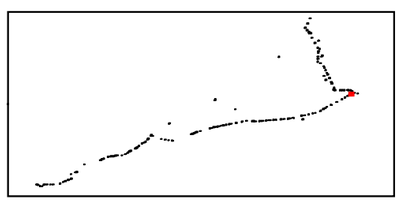

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Attachment B: Jurisdictional Delineation Map Page 106 of 153

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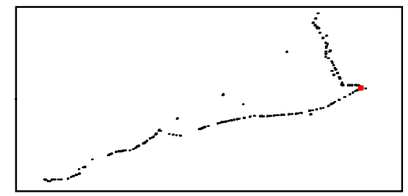

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Attachment B:
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Page 107 of 153

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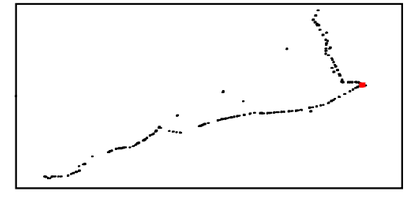

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Attachment B:
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Page 108 of 153

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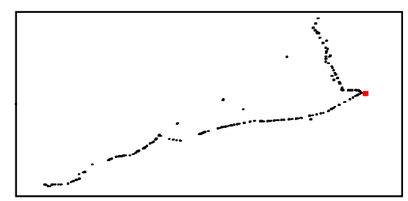

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Attachment B:
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Page 109 of 153

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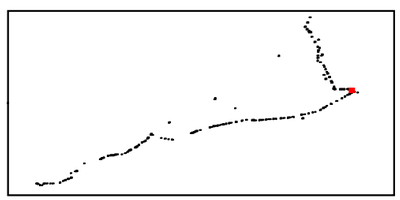

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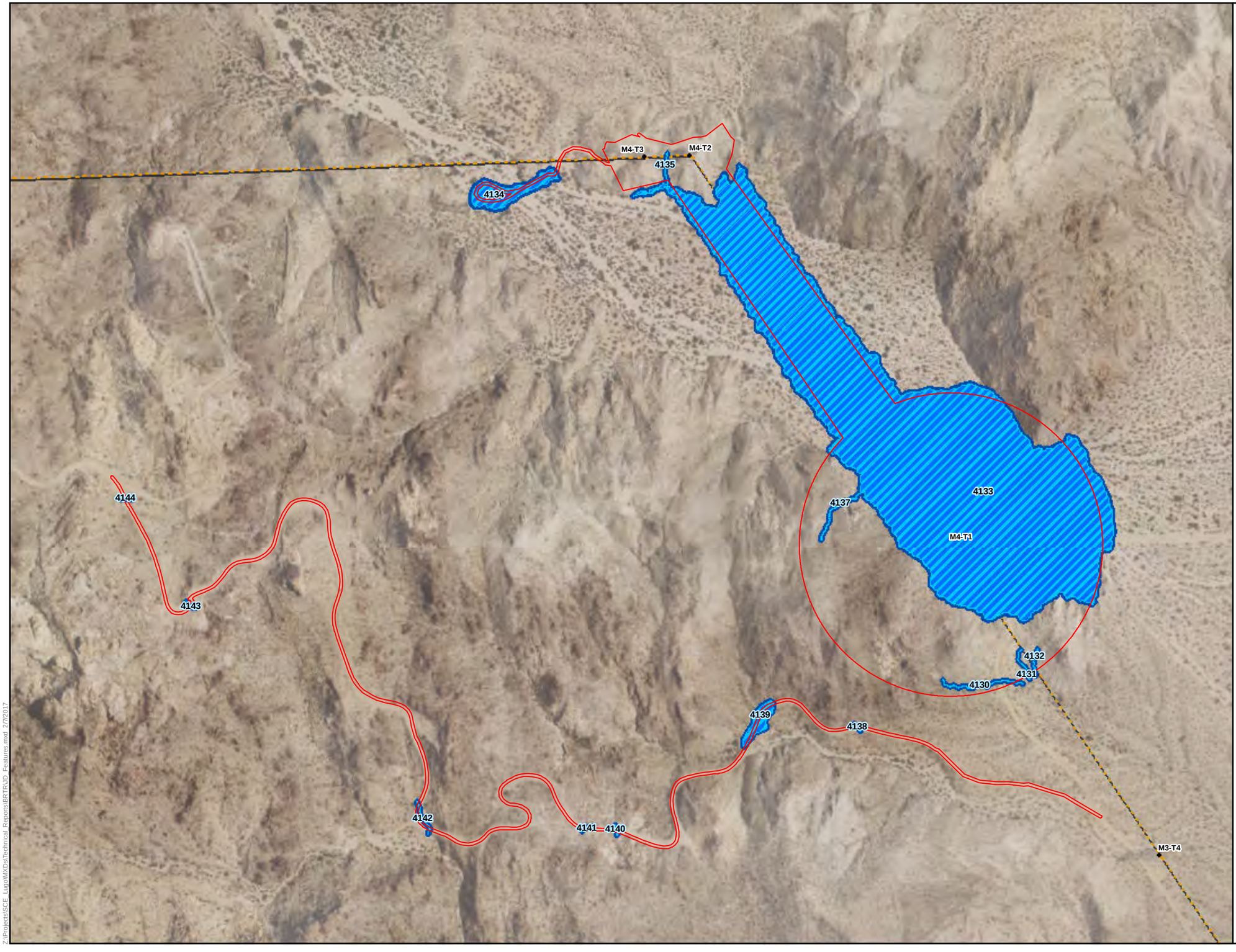

Attachment B:
Jurisdictional Delineation Map
Page 110 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
- Eldorado - Lugo 500 kV Transmission Line
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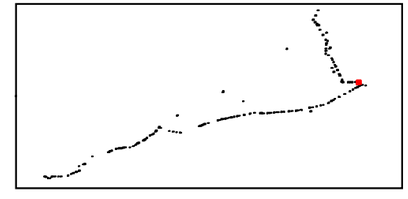

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Attachment B:
Jurisdictional Delineation Map
Page 111 of 153

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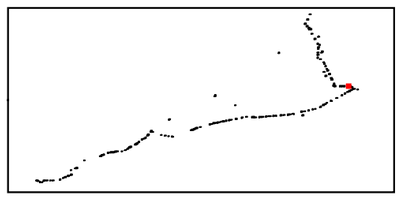

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Attachment B:
Jurisdictional Delineation Map
Page 112 of 153

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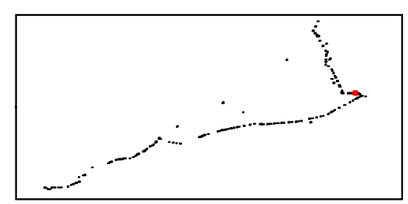

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Page 113 of 153

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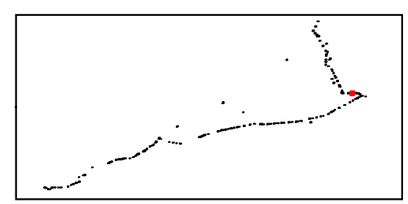

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Page 114 of 153

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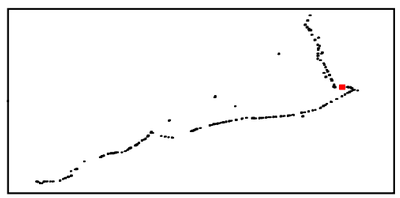

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Page 115 of 153

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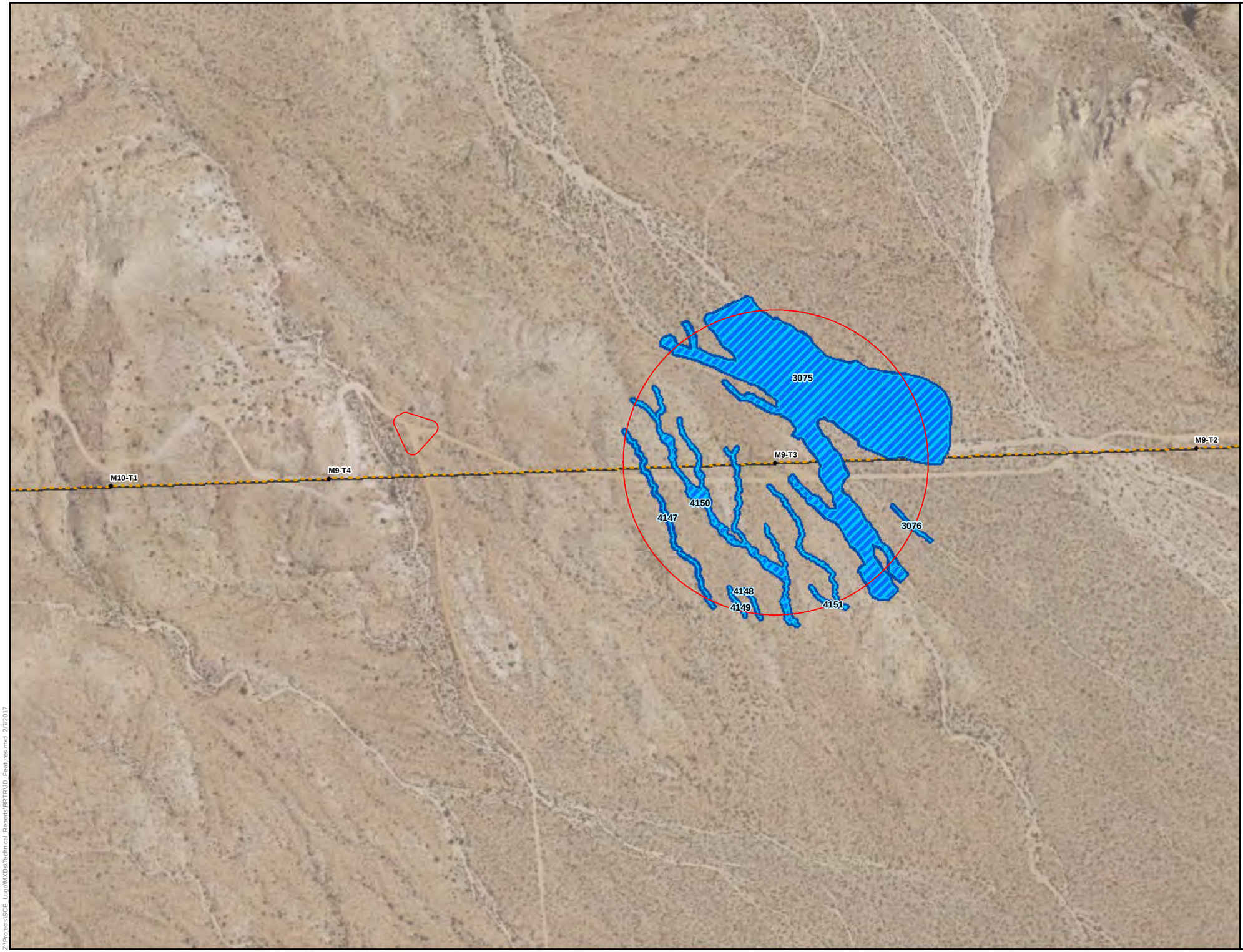

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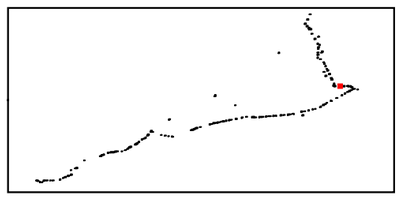

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Attachment B:
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Page 116 of 153

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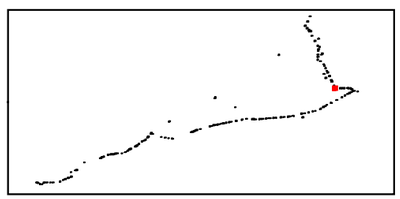

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Attachment B: Jurisdictional Delineation Map Page 117 of 153

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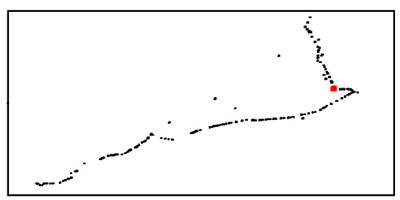

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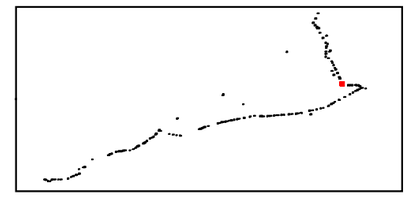

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Attachment B:
Jurisdictional Delineation Map
Page 119 of 153

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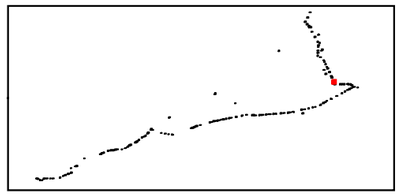

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Attachment B:
Jurisdictional Delineation Map
Page 120 of 153

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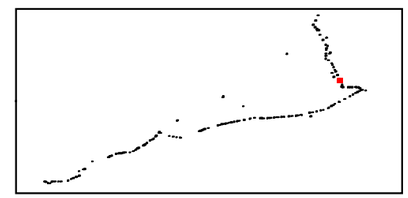

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Attachment B:
Jurisdictional Delineation Map
Page 121 of 153

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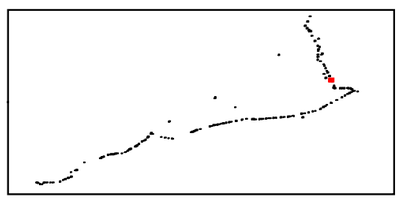

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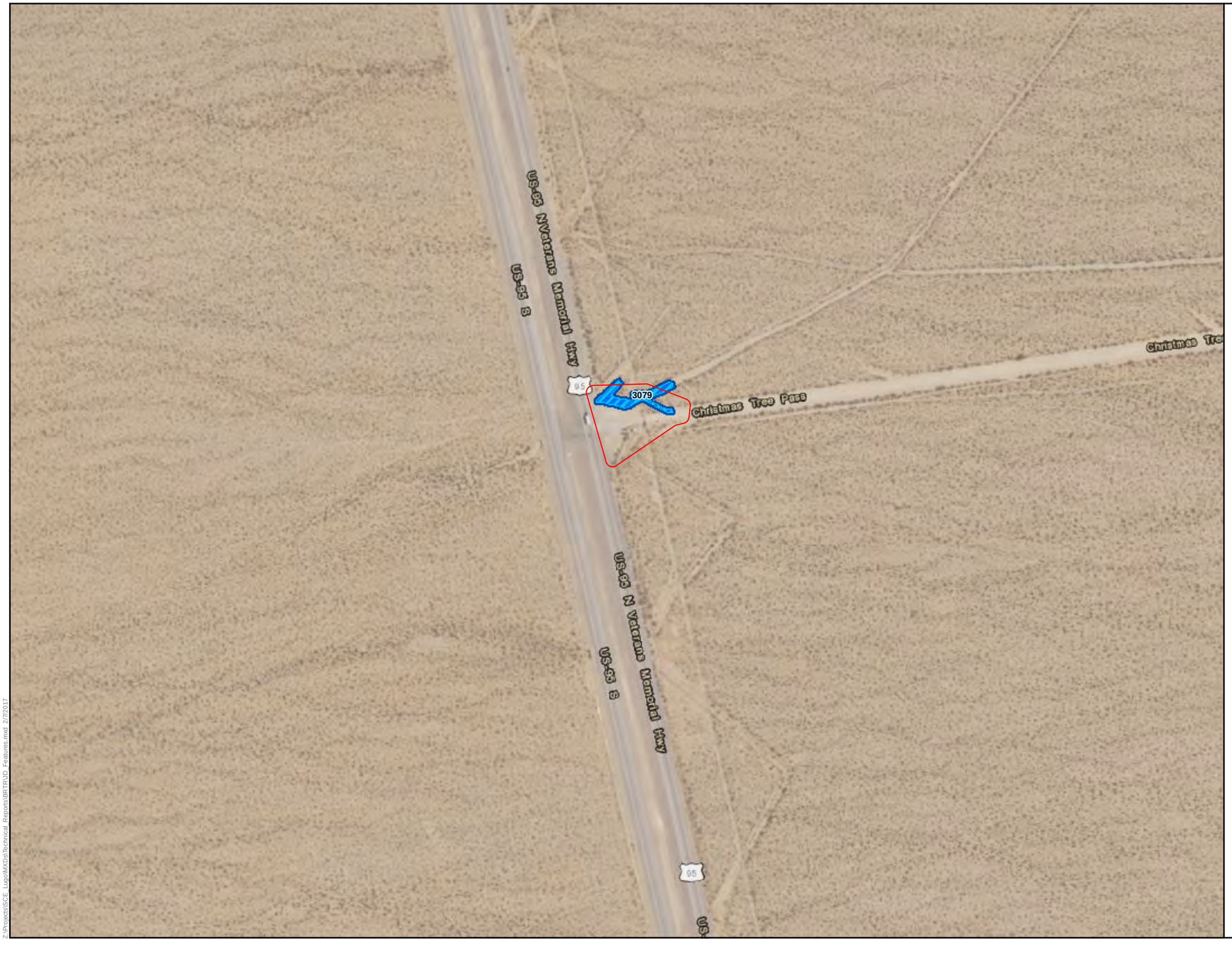
Attachment B:
Jurisdictional Delineation Map
Page 122 of 153

Eldorado-Lugo-Mohave Series Capacitor Project



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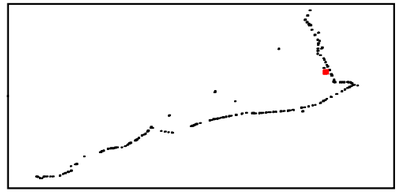

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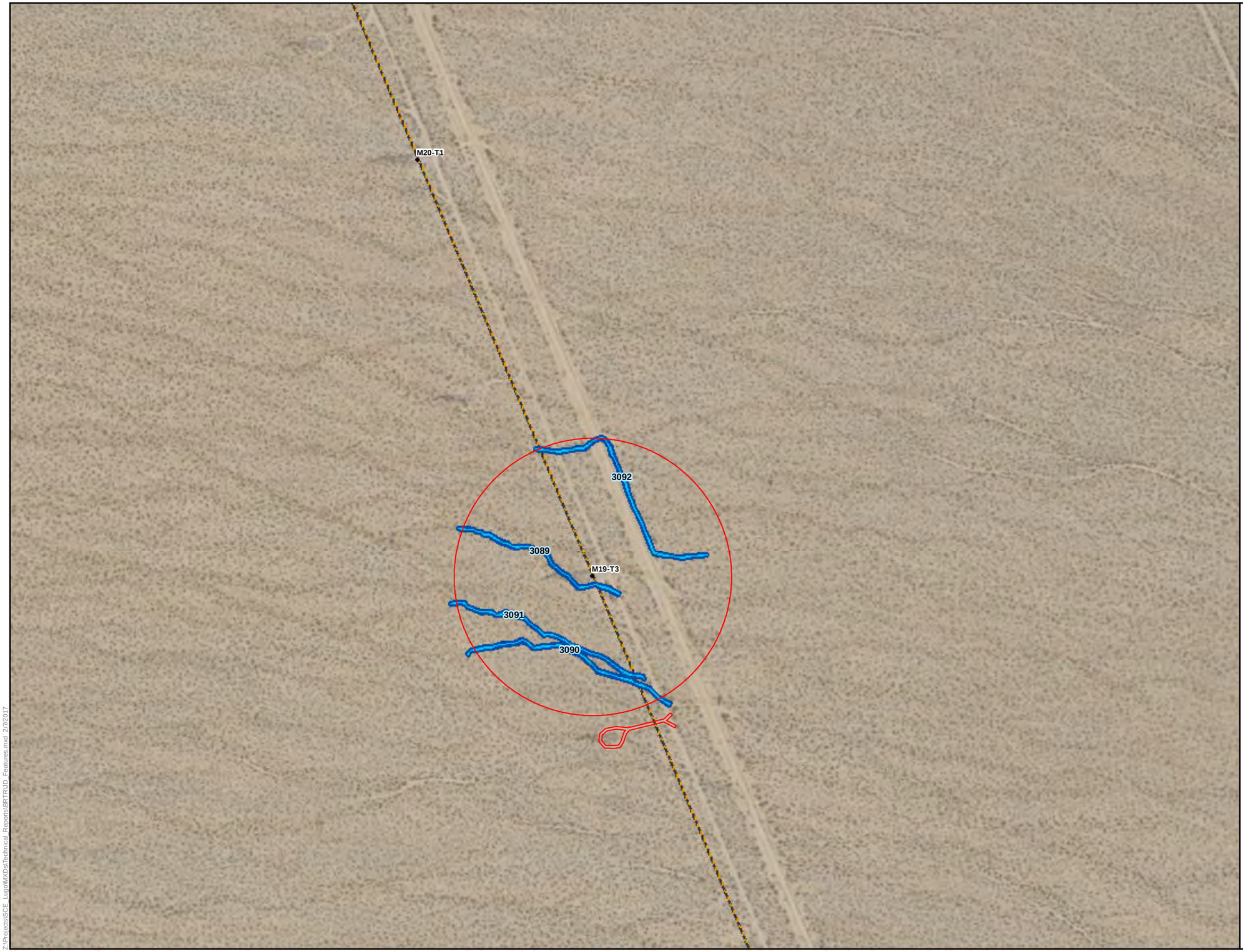

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Page 123 of 153

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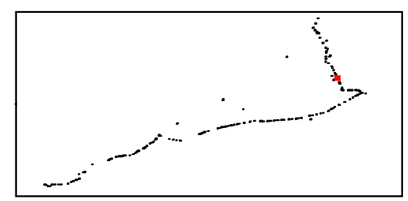

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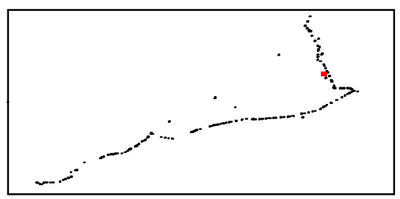

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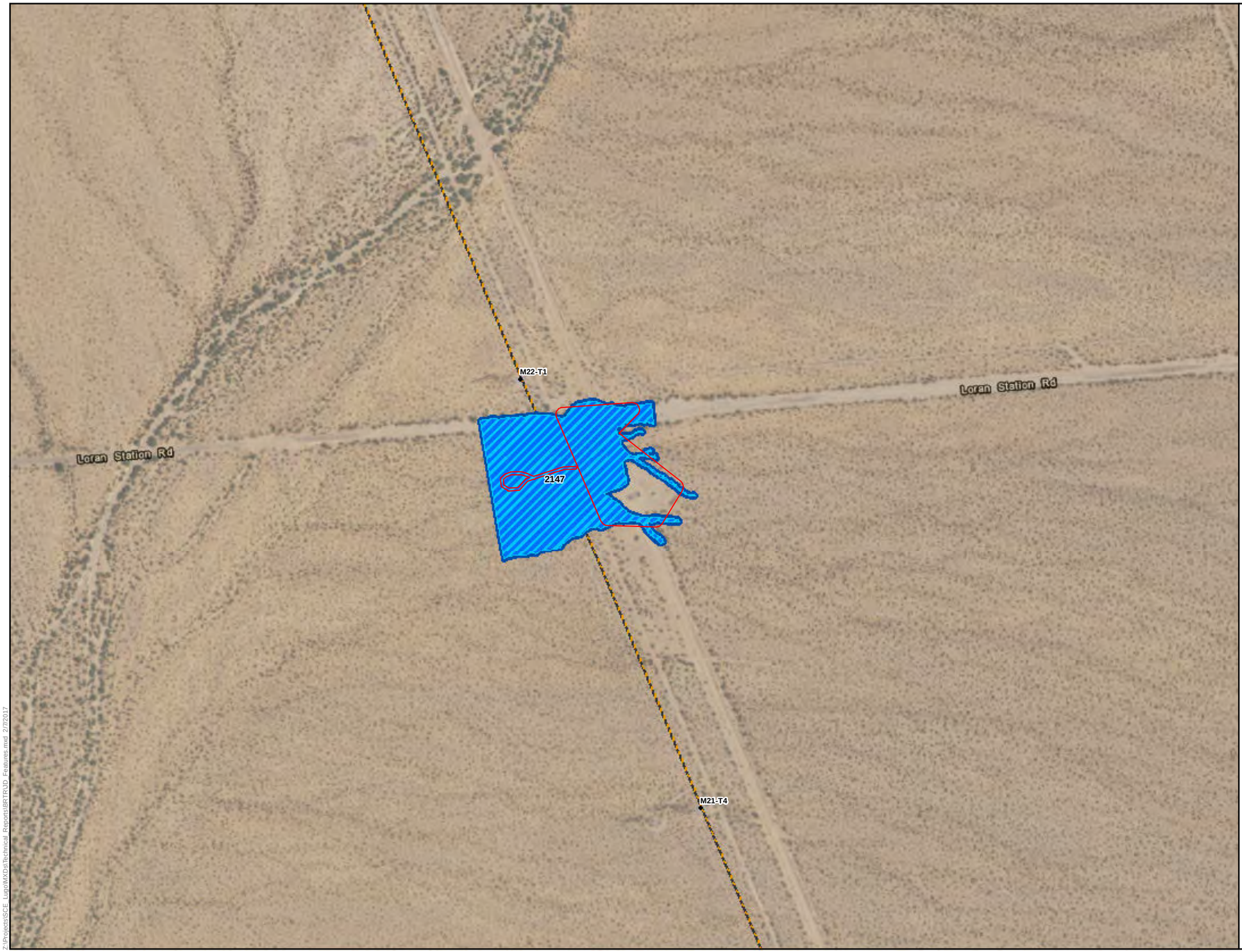

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Page 125 of 153

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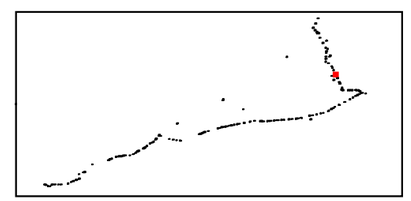

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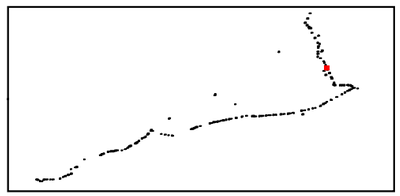

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Attachment B:
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Page 127 of 153

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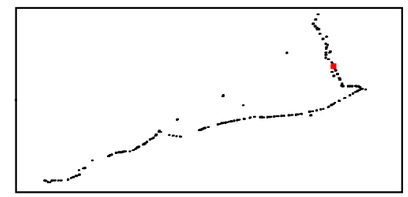

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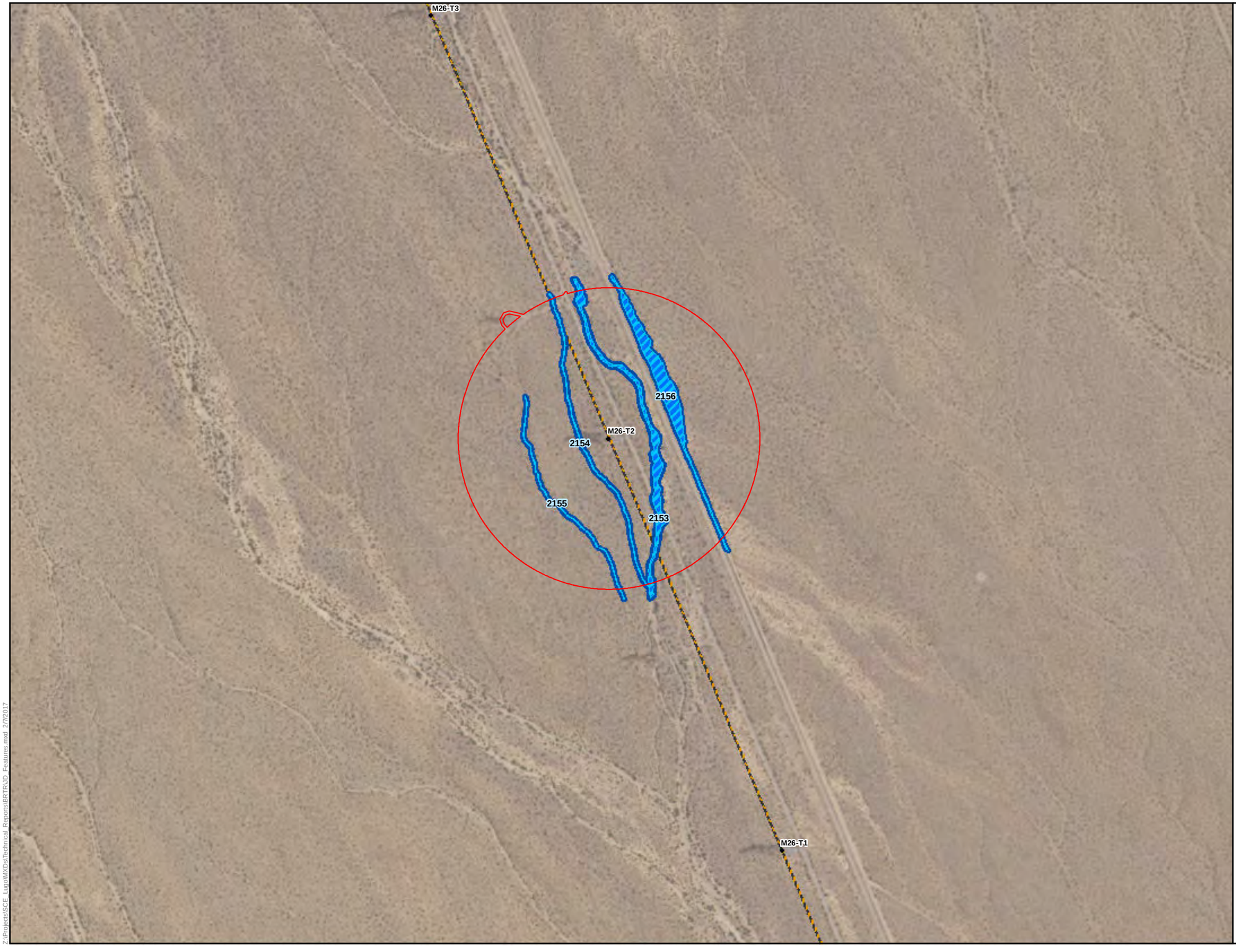

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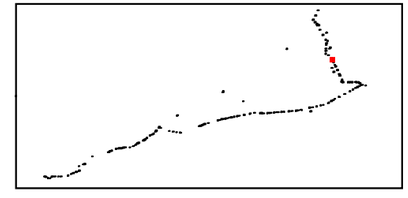

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INSIGNIA ENVIRONMENTAL

Source: Insignia, 2016; SCE

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Attachment B:
Jurisdictional Delineation Map
Page 129 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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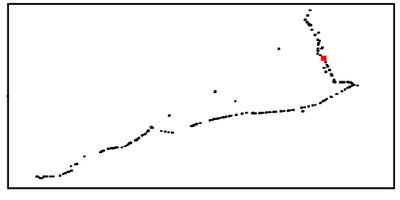

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Attachment B:
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Page 130 of 153

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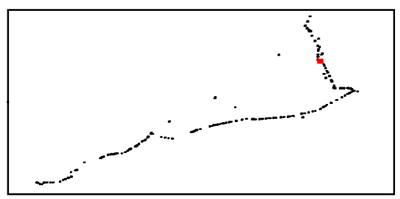

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Page 131 of 153

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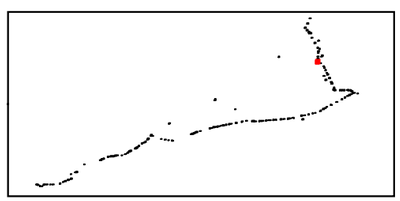

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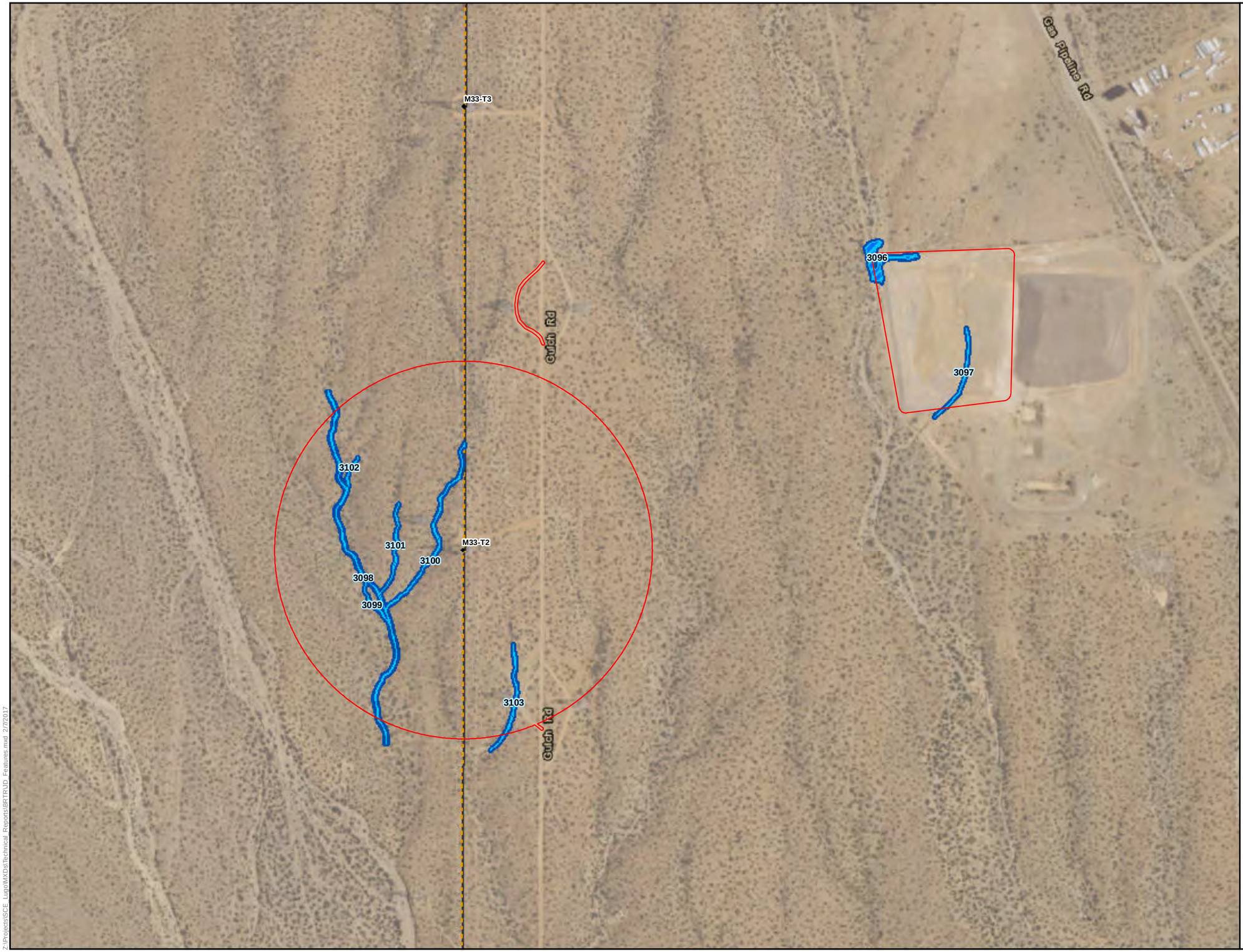

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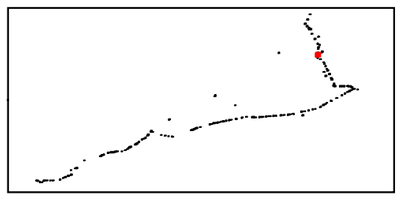

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Page 133 of 153

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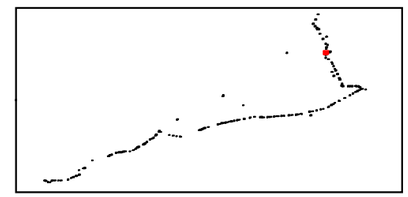

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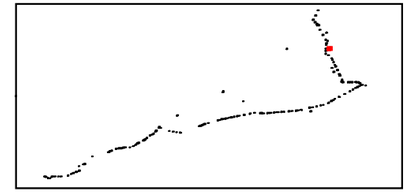

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Page 135 of 153

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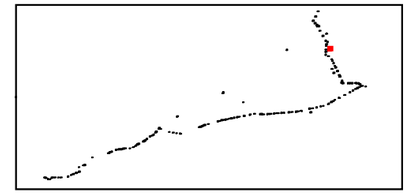

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Jurisdictional Delineation Map
Page 136 of 153

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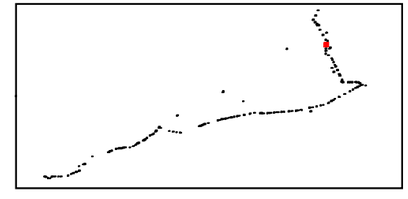

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Page 137 of 153

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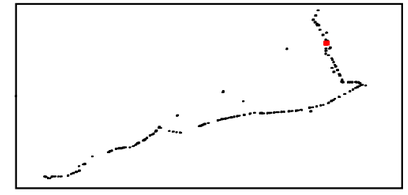

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Attachment B:
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Page 138 of 153

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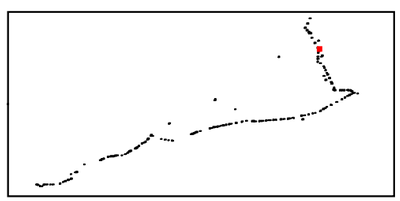

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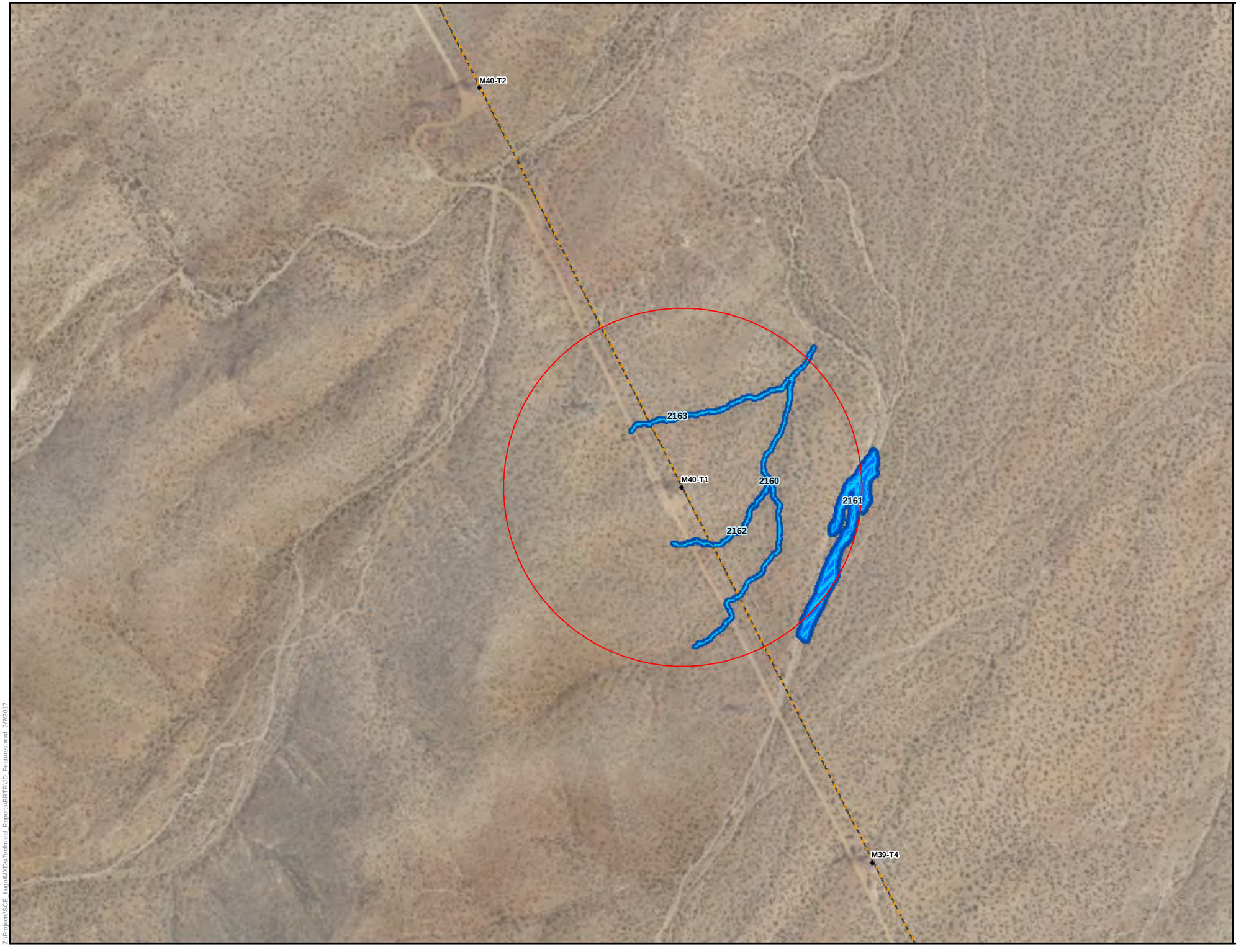

Attachment B:
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Page 139 of 153

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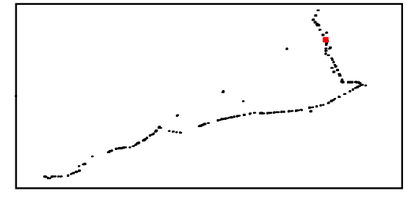

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Attachment B:
Jurisdictional Delineation Map
Page 140 of 153

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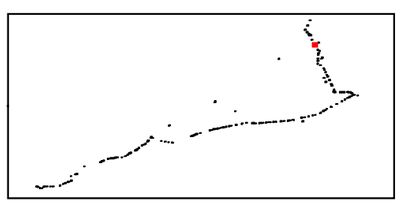

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Page 141 of 153

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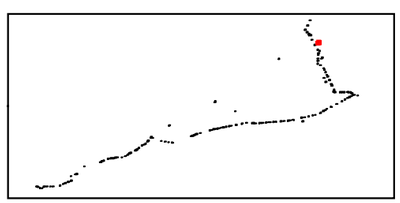

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Page 142 of 153

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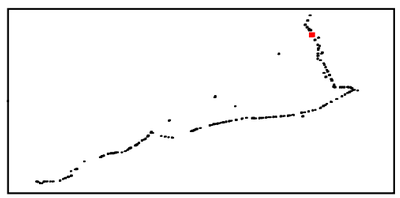

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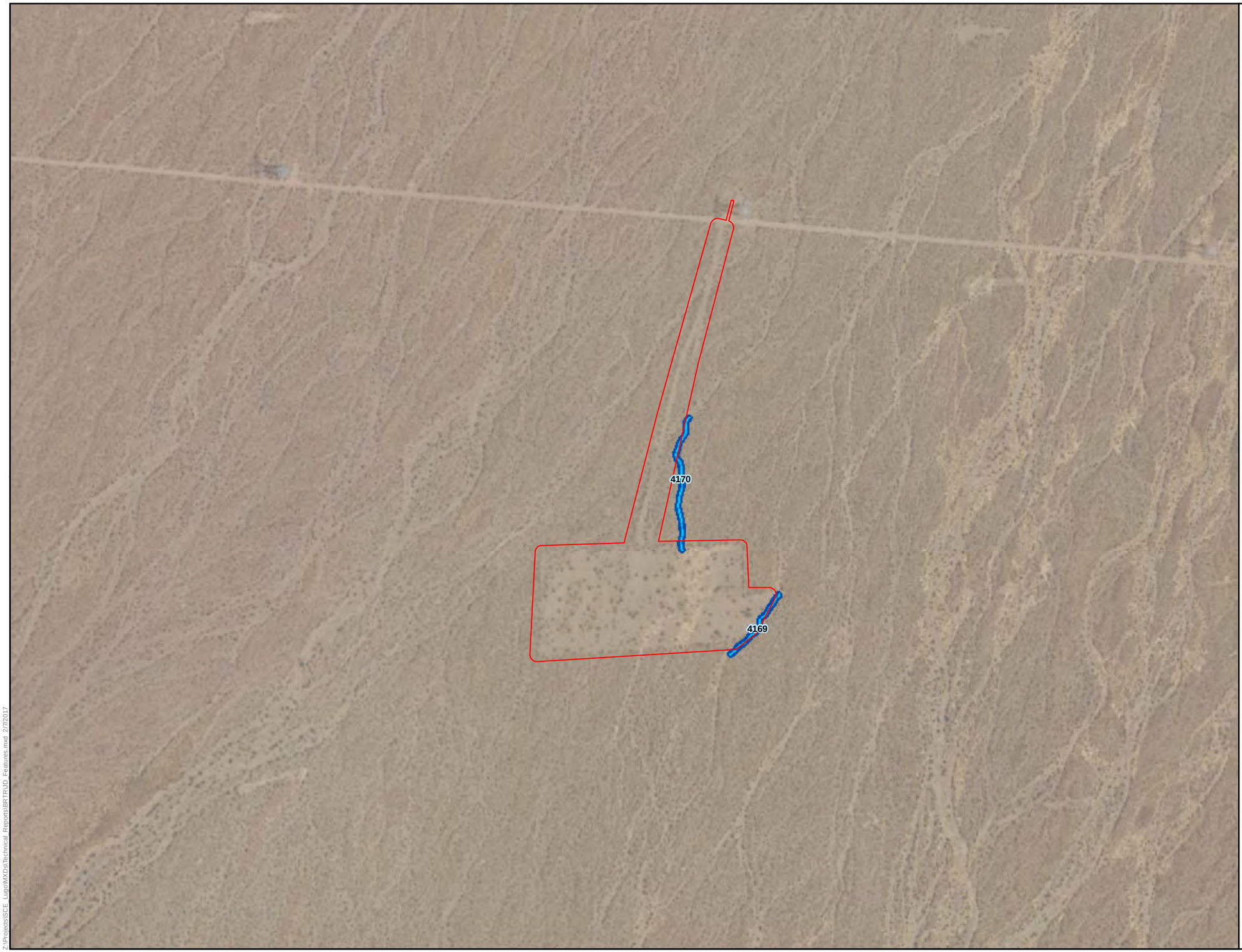

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Page 143 of 153

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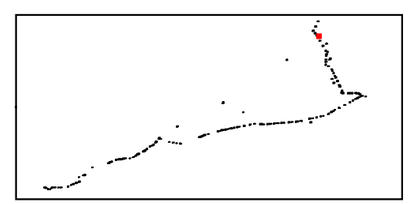

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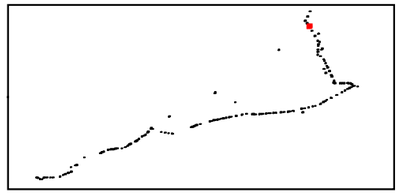

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Page 145 of 153

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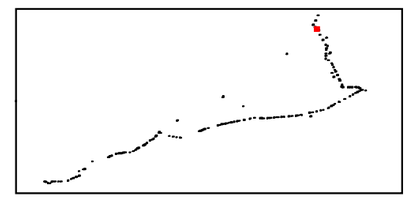

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Page 146 of 153

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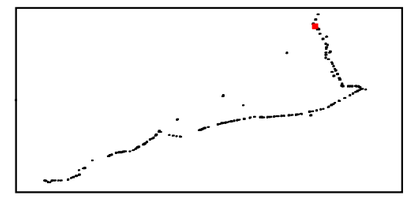

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Page 147 of 153

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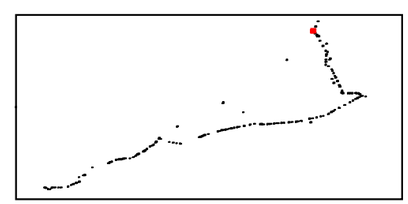

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INSIGNIA ENVIRONMENTAL

Source: Insignia, 2016; SCE

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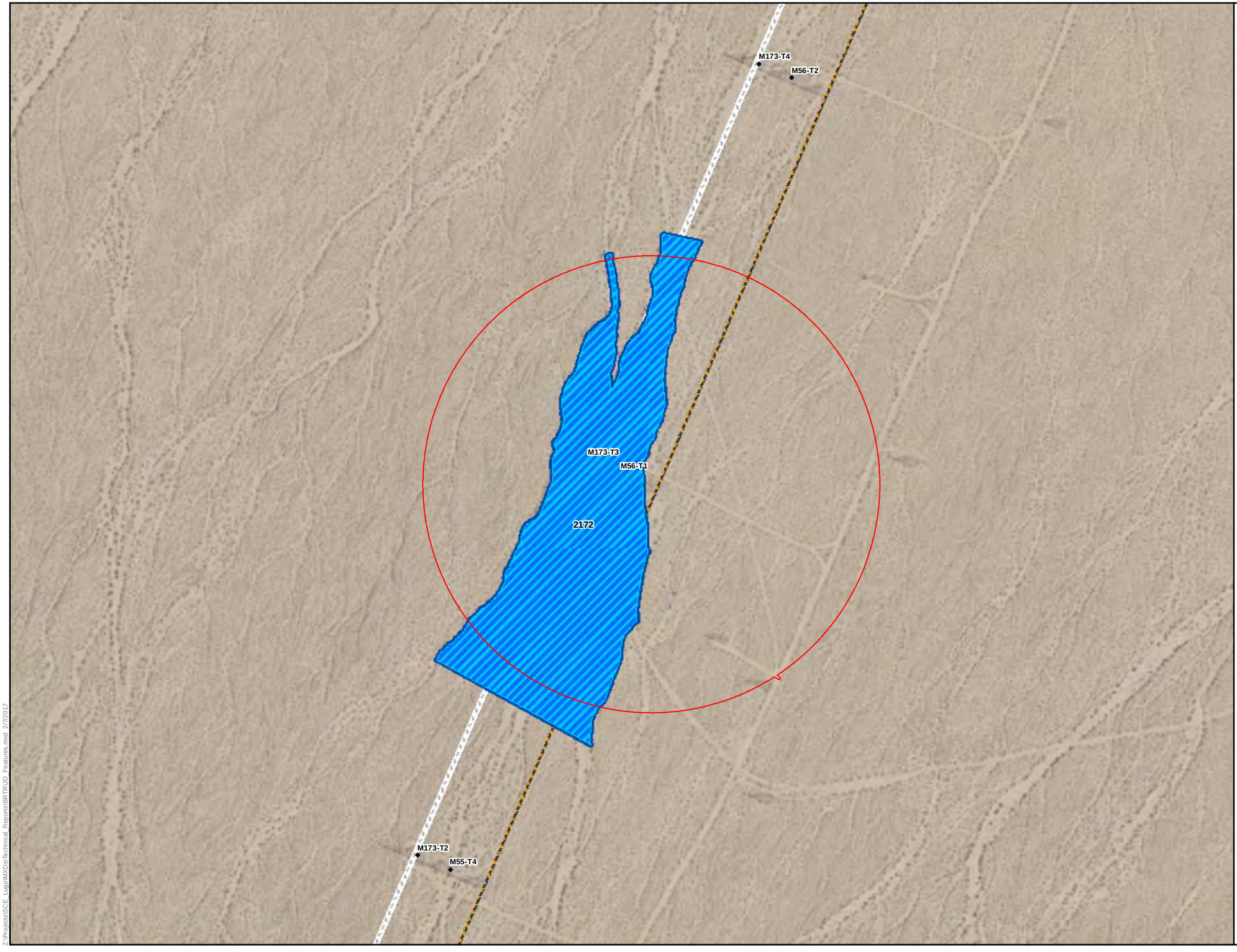

Attachment B:
Jurisdictional Delineation Map

Eldorado-Lugo-Mohave Series Capacitor Project

- Substation
- Mid-Line Capacitor Location
- Proposed Fiber Optic Repeater Location
- Structure
- Eldorado - Lugo 500 kV Transmission Line
- Eldorado - Mohave 500 kV Transmission Line
- Lugo - Mohave 500 kV Transmission Line
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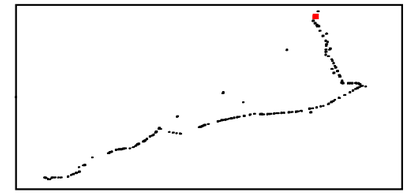
- Survey Extent

USACE-Jurisdictional Areas

- Drainage (Ordinary High Water Mark)
- Wetland

CDFW-Jurisdictional Areas

- Drainage (Top of Bank)
- Riparian



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Source: Insignia, 2016; SCE

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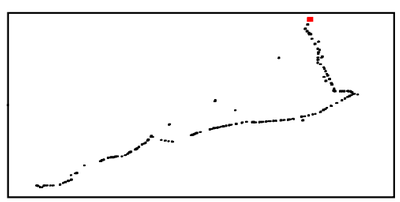

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Attachment B:
Jurisdictional Delineation Map
Page 150 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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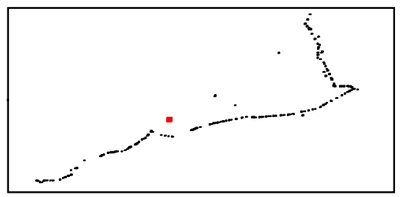

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Attachment B:
Jurisdictional Delineation Map
Page 151 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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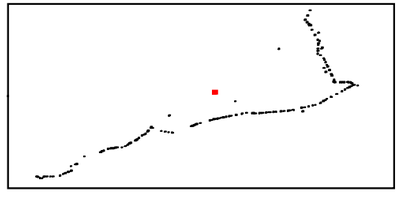

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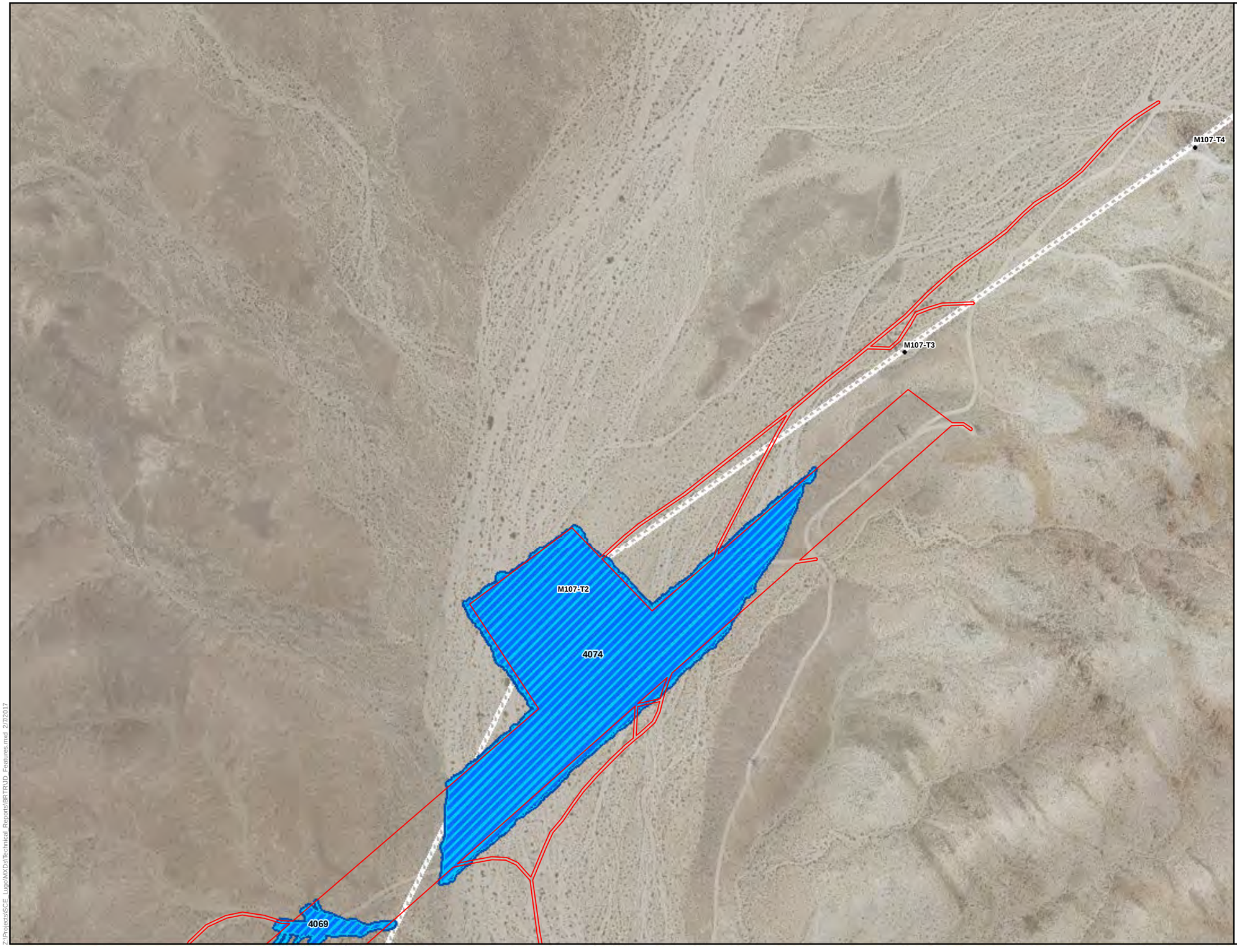

Attachment B:
Jurisdictional Delineation Map
Page 152 of 153

Eldorado-Lugo-Mohave Series Capacitor Project

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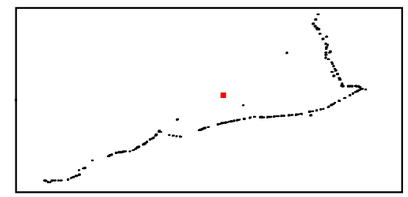

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Attachment B: Jurisdictional Delineation Map Page 153 of 153

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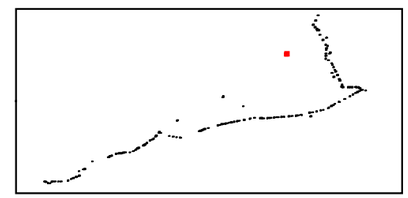

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ATTACHMENT C: JURISDICTIONAL DELINEATION SURVEY RESULTS

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ATTACHMENT C: JURISDICTIONAL DELINEATION SURVEY RESULTS

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
1001	Ephemeral Drainage	116.03	0.67	0.12	1.00	0.18	0.002	0.003	4, 5
1002	Ephemeral Drainage	1089.33	2.33	0.13	2.83	0.90	0.115	0.140	5
1003	Ephemeral Drainage	252.52	1.42	0.26	1.50	0.58	0.012	0.013	5
1004	Ephemeral Drainage	225.56	1.50	0.50	2.17	1.50	0.015	0.022	5
1005	Ephemeral Drainage	164.12	1.50	0.35	1.50	1.75	0.011	0.011	5
1006	Ephemeral Drainage	72.78	0.58	0.20	2.50	0.75	0.002	0.008	5
1007	Ephemeral Drainage	530.59	1.00	0.58	2.00	0.75	0.024	0.049	5
1008	Ephemeral Drainage	502.85	1.67	0.27	2.17	1.50	0.039	0.050	5
1009	Ephemeral Drainage	255.85	0.83	0.23	2.00	0.83	0.009	0.023	5
1010	Ephemeral Drainage	117.23	2.83	0.33	3.17	1.83	0.015	0.017	5
1013	Ephemeral Drainage	193.37	1.17	0.25	2.83	3.00	0.011	0.025	5

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
1017	Ephemeral Drainage	652.44	7.17	0.10	13.00	1.10	0.108	0.195	6
1019	Ephemeral Drainage	437.06	4.00	0.10	6.33	1.00	0.040	0.063	6
1020	Ephemeral Drainage	87.36	1.25	0.50	3.00	1.00	0.003	0.006	6
1022	Ephemeral Drainage	181.36	1.50	0.30	6.50	4.83	0.006	0.027	7
1024	Ephemeral Drainage	140.90	1.00	0.10	2.75	1.50	0.003	0.009	7
1025	Ephemeral Drainage	237.16	2.67	0.10	6.50	0.50	0.015	0.035	8
1026	Ephemeral Drainage	1,519.27	28.33	0.35	34.33	0.75	0.987	1.196	8
1027	Ephemeral Drainage	1,016.02	9.00	0.15	12.33	0.40	0.210	0.288	8
1028	Ephemeral Drainage	175.19	3.33	0.27	3.67	0.50	0.013	0.015	30
1029	Ephemeral Drainage	217.81	3.50	0.40	5.00	0.67	0.017	0.025	29
1030	Ephemeral Drainage	151.91	3.50	0.15	4.00	0.35	0.012	0.013	29
1031	Ephemeral Drainage	906.00	0.00	0.30	0.00	0.30	4.733	4.733	29

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
1032	Ephemeral Drainage	132.11	7.00	0.15	8.00	0.25	0.022	0.025	45
1034	Ephemeral Drainage	1,027.46	0.00	0.80	0.00	2.08	1.025	1.149	45
1035	Ephemeral Drainage	231.42	2.50	0.45	4.50	0.88	0.013	0.024	45
1036	Ephemeral Drainage	1,475.66	34.33	1.25	34.33	2.00	1.158	1.156	45, 46
1037	Ephemeral Drainage	1,381.42	5.50	0.35	7.50	0.80	0.174	0.238	45, 46
1038	Ephemeral Drainage	1,884.00	0.00	0.65	0.00	3.00	2.153	2.351	46
1039	Ephemeral Drainage	836.41	6.50	0.15	8.50	1.13	0.121	0.159	45
1040	Ephemeral Drainage	141.56	5.50	0.15	9.00	1.50	0.018	0.029	47
1046	Ephemeral Drainage	1,054.36	4.00	0.30	5.00	1.17	0.194	0.243	65
1047	Ephemeral Drainage	803.93	1.83	0.33	5.00	1.17	0.066	0.182	65
1048	Ephemeral Drainage	307.71	3.33	0.23	4.33	0.47	0.047	0.061	65
1049	Ephemeral Drainage	198.28	1.58	0.23	2.33	0.47	0.014	0.019	65

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
1050	Ephemeral Drainage	413.46	2.17	0.20	3.67	0.55	0.041	0.069	65
1051	Ephemeral Drainage	753.72	4.00	0.40	5.33	1.17	0.137	0.180	65
1052	Ephemeral Drainage	144.39	2.67	0.30	3.83	0.63	0.017	0.024	65
1054	Ephemeral Drainage	205.35	11.00	0.57	12.00	2.33	0.104	0.113	66
1055	Ephemeral Drainage	658.79	6.00	0.42	10.00	1.33	0.181	0.302	67
1056	Ephemeral Drainage	658.79	11.00	0.33	31.67	1.00	3.364	4.197	67
1057	Ephemeral Drainage	658.79	4.33	0.18	11.00	0.43	0.089	0.225	67
1058	Ephemeral Drainage	658.79	2.50	0.20	4.33	0.40	0.021	0.036	67
1059	Ephemeral Drainage	658.79	9.67	0.33	10.67	0.50	0.208	0.228	67
1060	Ephemeral Drainage	658.79	4.00	0.40	0.00	0.50	0.046	0.058	67
1061	Ephemeral Drainage	88.30	2.33	0.60	4.00	0.83	0.009	0.016	68
1062	Ephemeral Drainage	735.77	4.00	0.42	4.67	0.62	0.134	0.157	71

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
1064	Ephemeral Drainage	511.41	1.50	0.22	2.40	0.43	0.035	0.056	71
1065	Ephemeral Drainage	907.65	4.17	0.38	5.67	1.50	0.175	0.237	71
1066	Ephemeral Drainage	311.88	4.33	0.83	5.00	1.50	0.061	0.070	71
1067	Ephemeral Drainage	787.29	2.50	0.23	4.00	0.40	0.045	0.072	71
1068	Ephemeral Drainage	961.60	14.33	0.61	0.00	3.33	1.184	1.354	71
1069	Ephemeral Drainage	1,000.47	4.00	0.29	5.00	0.72	0.092	0.115	71
1070	Ephemeral Drainage	974.79	4.00	0.28	4.83	0.43	0.090	0.107	69
1071	Ephemeral Drainage	75.25	2.33	0.17	4.00	0.32	0.004	0.007	69
1072	Ephemeral Drainage	950.44	7.67	0.18	8.33	0.40	0.168	0.181	69
1073	Ephemeral Drainage	657.69	4.67	0.30	4.67	0.58	0.071	0.071	69
1074	Ephemeral Drainage	299.76	3.00	0.26	3.33	0.47	0.018	0.020	69
1075	Ephemeral Drainage	260.02	1.33	0.31	5.17	0.43	0.008	0.031	69

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
1079	Ephemeral Drainage	255.46	25.00	0.37	28.33	2.67	0.148	0.167	90
1080	Ephemeral Drainage	198.80	38.33	0.63	36.67	0.83	0.156	0.156	101
1080	Riparian	N/A	N/A	N/A	N/A	N/A	0.000	0.010	101
1081	Ephemeral Drainage	797.34	3.00	0.20	3.00	2.00	0.055	0.055	106, 107
1082	Ephemeral Drainage	487.00	2.17	0.38	3.33	0.50	0.769	0.785	106, 107
1083	Ephemeral Drainage	1,330.00	0.00	1.35	0.00	7.67	2.290	2.748	106
1084	Ephemeral Drainage	445.00	3.33	0.60	0.00	1.50	0.293	0.375	106
1085	Ephemeral Drainage	85.68	12.33	0.53	13.00	0.53	0.024	0.025	105
1086	Ephemeral Drainage	50.68	7.67	0.17	8.33	0.67	0.009	0.010	105
1087	Ephemeral Drainage	135.04	2.33	0.35	3.00	0.58	0.007	0.009	112
1088	Ephemeral Drainage	666.89	1.83	0.57	2.67	1.00	0.027	0.040	112
1089	Ephemeral Drainage	1,801.33	7.67	0.38	14.67	1.67	0.317	0.602	112

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2000	Ephemeral Drainage	26.44	0.90	0.30	2.50	0.80	0.001	0.002	3
2001	Ephemeral Drainage	273.66	0.50	0.10	2.00	0.90	0.003	0.012	1, 2
2002	Ephemeral Drainage	585.84	1.10	0.10	4.50	2.00	0.015	0.060	1, 2
2003	Ephemeral Drainage	47.64	0.95	0.20	2.95	0.80	0.001	0.003	9
2004	Ephemeral Drainage	62.82	1.50	0.20	6.00	2.00	0.002	0.009	9
2005	Ephemeral Drainage	62.39	1.50	0.30	7.00	3.00	0.002	0.010	9
2006	Intermittent Drainage	121.08	0.00	0.40	0.00	25.00	0.106	0.137	9
2007	Ephemeral Drainage	211.77	0.50	0.30	2.00	0.90	0.002	0.010	12, 13
2008	Wetland/Riparian	N/A	N/A	N/A	N/A	N/A	0.244	0.246	13
2013	Ephemeral Drainage	175.62	1.25	0.10	3.25	0.45	0.005	0.013	20
2015	Ephemeral Drainage	113.00	1.50	0.10	3.00	0.50	0.004	0.008	20
2017	Ephemeral Drainage	449.48	1.25	0.10	2.25	0.25	0.027	0.047	20

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2018	Ephemeral Drainage	555.42	1.50	0.10	2.00	0.20	0.038	0.051	20
2019	Ephemeral Drainage	281.17	1.75	0.10	3.00	0.30	0.012	0.019	20
2020	Ephemeral Drainage	212.18	1.00	0.10	2.50	0.25	0.005	0.012	20
2022	Ephemeral Drainage	64.25	1.50	0.10	2.00	0.50	0.004	0.006	20
2023	Ephemeral Drainage	200.60	7.25	0.10	15.50	0.75	0.034	0.071	25
2024	Intermittent Drainage	910.21	0.00	1.27	0.00	1.27	5.729	5.729	25
2025	Ephemeral Drainage	234.76	1.75	0.10	3.50	0.30	0.010	0.019	25
2026	Ephemeral Drainage	380.00	0.00	0.40	0.00	0.87	0.879	0.904	25
2027	Ephemeral Drainage	384.85	1.90	0.15	5.00	0.65	0.017	0.044	25
2028	Ephemeral Drainage	381.14	2.75	0.15	4.00	0.40	0.024	0.035	25
2029	Ephemeral Drainage	256.88	13.00	0.25	15.50	0.45	0.076	0.091	26
2030	Ephemeral Drainage	310.04	2.00	0.10	3.00	0.20	0.014	0.021	26

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2031	Ephemeral Drainage	110.31	4.50	0.30	5.00	0.65	0.012	0.013	28
2032	Ephemeral Drainage	59.08	4.50	0.15	8.50	0.80	0.006	0.012	28
2033	Ephemeral Drainage	50.42	2.50	0.10	5.00	0.50	0.003	0.006	28
2034	Ephemeral Drainage	212.47	4.33	0.37	4.33	0.37	0.021	0.021	31
2035	Ephemeral Drainage	989.27	3.00	0.25	5.00	0.65	0.068	0.113	31
2036	Ephemeral Drainage	286.45	2.25	0.35	5.25	1.15	0.015	0.035	31
2037	Ephemeral Drainage	160.22	5.00	0.50	5.00	0.50	0.018	0.018	31
2038	Ephemeral Drainage	407.07	2.50	0.40	4.50	0.65	0.023	0.042	31
2039	Ephemeral Drainage	249.88	2.00	0.20	7.00	0.50	0.011	0.040	31
2040	Ephemeral Drainage	28.76	4.00	0.20	6.00	0.50	0.003	0.544	41
2041	Ephemeral Drainage	45.88	0.00	0.30	0.00	3.00	0.011	0.011	41
2042	Ephemeral Drainage	804.97	0.00	0.30	0.00	1.50	3.426	11.091	41

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2043	Ephemeral Drainage	718.90	0.00	0.20	0.00	1.10	1.353	1.353	41
2044	Ephemeral Drainage	51.08	26.50	0.20	28.00	2.00	0.035	0.038	41
2045	Ephemeral Drainage	510.20	4.00	0.20	6.00	0.50	0.047	0.070	41
2046	Ephemeral Drainage	650.51	0.00	0.20	0.00	0.53	5.596	5.596	42
2047	Ephemeral Drainage	416.15	4.00	0.13	5.00	0.53	0.038	0.047	42
2048	Ephemeral Drainage	654.75	4.67	0.23	5.67	0.77	0.071	0.086	42
2049	Ephemeral Drainage	290.92	4.83	0.13	6.00	0.40	0.031	0.038	42
2050	Ephemeral Drainage	72.94	1.50	0.30	7.00	3.00	0.002	0.012	44
2051	Ephemeral Drainage	135.52	1.50	0.10	7.00	2.25	0.005	0.022	44
2053	Ephemeral Drainage	91.51	3.00	0.20	12.00	0.70	0.006	0.024	50
2054	Ephemeral Drainage	103.39	2.00	0.20	6.00	1.00	0.005	0.014	50
2055	Ephemeral Drainage	219.26	2.33	0.20	4.67	0.90	0.011	0.023	51

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2056	Ephemeral Drainage	814.00	10.17	0.60	20.33	1.27	4.792	4.792	51
2057	Ephemeral Drainage	239.33	3.67	0.30	12.00	0.70	0.020	0.066	51
2058	Ephemeral Drainage	733.26	1.50	0.20	3.50	0.65	0.025	0.059	51
2059	Ephemeral Drainage	559.00	22.00	0.23	24.33	0.70	0.941	1.110	51
2060	Ephemeral Drainage	103.37	5.67	0.93	18.33	5.00	0.014	0.031	53
2061	Intermittent Drainage	288.06	13.33	0.53	166.67	21.67	0.790	0.993	53
2062	Ephemeral Drainage	69.13	2.00	0.30	30.00	6.00	0.003	0.030	53
2063	Ephemeral Drainage	158.49	4.67	0.30	15.00	8.00	0.017	0.056	53
2064	Intermittent Drainage	363.13	9.00	0.77	170.00	13.67	1.101	1.292	53
2065	Ephemeral Drainage	128.70	2.00	0.20	30.00	6.00	0.006	0.074	53
2066	Ephemeral Drainage	263.82	3.00	0.50	10.50	2.00	0.018	0.062	54
2067	Ephemeral Drainage	126.70	2.00	1.00	4.00	1.50	0.006	0.012	54

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2068	Ephemeral Drainage	32.68	2.00	0.50	5.00	4.00	0.001	0.004	55
2069	Ephemeral Drainage	37.01	2.00	0.50	12.00	4.00	0.002	0.010	55
2070	Ephemeral Drainage	32.59	3.00	0.50	12.00	3.00	0.002	0.010	55
2071	Ephemeral Drainage	24.53	2.00	0.10	3.00	1.50	0.001	0.002	55
2072	Ephemeral Drainage	63.78	1.50	0.30	10.00	3.00	0.002	0.015	55
2073	Ephemeral Drainage	27.34	2.00	0.30	5.00	1.00	0.001	0.003	55
2074	Ephemeral Drainage	366.28	2.83	0.13	4.00	0.40	0.024	0.034	59
2075	Ephemeral Drainage	453.29	4.67	0.13	7.33	0.37	0.048	0.074	59
2076	Ephemeral Drainage	158.07	1.50	0.15	4.00	0.50	0.005	0.015	60
2077	Ephemeral Drainage	129.74	3.00	0.20	7.50	0.45	0.009	0.022	60
2078	Ephemeral Drainage	144.76	3.00	0.30	4.00	0.50	0.010	0.013	60
2079	Ephemeral Drainage	108.49	3.25	0.15	5.00	0.50	0.008	0.012	60

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2080	Ephemeral Drainage	248.39	3.50	0.30	6.00	0.65	0.020	0.034	60
2081	Ephemeral Drainage	144.68	4.00	0.10	10.00	0.55	0.013	0.033	61
2082	Ephemeral Drainage	75.20	1.50	0.10	3.00	0.60	0.003	0.005	61
2083	Ephemeral Drainage	934.10	29.00	0.27	90.00	1.37	3.520	3.967	61
2084	Ephemeral Drainage	318.42	2.50	0.23	20.00	1.50	0.018	0.144	61
2085	Ephemeral Drainage	235.29	1.50	0.10	5.00	1.00	0.008	0.027	61
2086	Ephemeral Drainage	248.91	2.50	0.10	8.00	1.00	0.014	0.046	61
2087	Ephemeral Drainage	802.00	18.33	0.30	29.67	1.17	0.992	1.250	61
2088	Ephemeral Drainage	409.82	2.50	0.20	6.00	1.00	0.024	0.056	61
2089	Ephemeral Drainage	344.00	9.00	0.33	21.67	1.00	0.394	0.490	61
2090	Ephemeral Drainage	281.00	1.00	0.10	20.00	0.30	0.641	0.818	62
2091	Ephemeral Drainage	137.82	1.50	0.30	6.50	0.75	0.005	0.021	63

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2092	Ephemeral Drainage	178.72	3.00	0.10	5.00	1.00	0.012	0.021	64
2093	Ephemeral Drainage	113.36	11.50	0.15	12.50	0.45	0.030	0.033	78
2094	Ephemeral Drainage	139.00	3.25	0.15	9.00	0.50	0.011	0.029	78
2095	Ephemeral Drainage	70.74	3.75	0.10	14.00	0.55	0.006	0.023	78
2096	Ephemeral Drainage	59.50	1.00	0.15	4.00	0.70	0.001	0.005	78
2097	Ephemeral Drainage	210.20	6.75	0.25	14.00	1.35	0.038	0.073	79
2097	Riparian	N/A	N/A	N/A	N/A	N/A	0.000	0.010	79
2098	Ephemeral Drainage	543.00	7.00	0.15	22.50	2.00	0.501	0.624	80
2099	Ephemeral Drainage	491.85	1.50	0.15	3.75	1.50	0.017	0.043	80
2100	Ephemeral Drainage	679.60	2.00	0.10	4.50	0.45	0.031	0.070	80
2101	Ephemeral Drainage	538.71	1.50	0.15	4.00	0.55	0.019	0.049	80
2102	Ephemeral Drainage	387.59	1.50	0.10	2.50	0.45	0.013	0.022	80

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2103	Ephemeral Drainage	123.48	2.00	0.10	3.50	0.40	0.006	0.010	80
2104	Ephemeral Drainage	130.00	10.25	0.20	22.50	0.75	0.031	0.067	81
2105	Ephemeral Drainage	28.08	1.00	0.20	4.00	1.00	0.001	0.003	82
2106	Ephemeral Drainage	981.00	6.00	0.13	10.67	0.80	4.066	4.167	86
2107	Ephemeral Drainage	582.74	11.33	0.13	30.67	1.33	0.151	0.411	86
2108	Ephemeral Drainage	174.13	6.00	0.10	12.00	0.75	0.022	0.041	86
2109	Ephemeral Drainage	582.37	3.25	0.20	6.50	1.75	0.044	0.087	86
2110	Ephemeral Drainage	465.72	1.50	0.10	4.50	1.00	0.016	0.048	86
2111	Ephemeral Drainage	277.62	2.75	0.15	8.50	1.00	0.018	0.053	86
2112	Ephemeral Drainage	1041.00	3.73	0.13	5.50	0.77	1.589	1.764	94
2113	Ephemeral Drainage	887.77	2.75	0.10	4.50	0.90	0.057	0.092	94
2114	Ephemeral Drainage	1,115.80	10.00	0.23	20.67	1.83	0.256	0.529	94

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2115	Ephemeral Drainage	518.12	2.75	0.20	7.50	2.25	0.033	0.087	94
2116	Ephemeral Drainage	88.23	1.10	0.20	2.75	1.25	0.002	0.006	95
2117	Ephemeral Drainage	73.78	2.00	0.20	3.50	2.00	0.003	0.006	95
2118	Ephemeral Drainage	202.58	4.75	0.25	17.50	2.00	0.022	0.081	95
2119	Ephemeral Drainage	210.24	7.00	0.20	18.50	1.25	0.034	0.089	95
2120	Ephemeral Drainage	81.35	2.00	0.20	4.00	2.50	0.003	0.006	95
2121	Ephemeral Drainage	181.10	1.50	0.25	5.00	2.50	0.006	0.021	95
2122	Ephemeral Drainage	729.00	7.10	0.30	15.33	1.67	1.288	1.527	95
2123	Ephemeral Drainage	214.69	1.40	0.15	5.50	2.50	0.007	0.027	95
2124	Ephemeral Drainage	608.46	8.20	0.20	17.50	1.50	0.115	0.244	95
2125	Ephemeral Drainage	67.22	1.50	0.30	7.00	2.00	0.002	0.011	97
2126	Ephemeral Drainage	701.57	1.75	0.25	3.75	1.25	0.029	0.061	97

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2127	Ephemeral Drainage	301.76	1.75	0.25	4.50	1.75	0.012	0.031	97
2128	Ephemeral Drainage	686.00	17.00	0.40	62.00	3.50	0.547	0.584	97
2129	Ephemeral Drainage	455.25	3.00	0.15	8.50	2.50	0.031	0.089	97
2130	Ephemeral Drainage	158.99	3.50	0.20	7.00	3.00	0.013	0.026	97
2131	Ephemeral Drainage	1007.89	7.50	0.25	17.50	3.50	0.173	0.400	97
2132	Ephemeral Drainage	109.14	4.25	0.25	20.50	3.50	0.016	0.027	98
2133	Ephemeral Drainage	626.72	3.00	0.25	4.00	0.65	0.043	0.058	101
2134	Ephemeral Drainage	780.31	3.00	0.20	6.00	2.50	0.054	0.107	101
2135	Ephemeral Drainage	737.58	4.00	0.20	6.00	1.75	0.068	0.102	101
2136	Ephemeral Drainage	100.43	1.25	0.10	3.75	2.00	0.003	0.009	102
2137	Ephemeral Drainage	637.41	5.40	0.30	25.00	2.50	0.079	0.364	103
2138	Ephemeral Drainage	425.00	2.60	0.17	6.67	3.00	0.136	0.270	103

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2139	Ephemeral Drainage	838.00	47.83	0.27	61.67	3.50	1.466	1.736	103
2140	Ephemeral Drainage	75.02	1.50	0.20	4.00	1.00	0.003	0.007	104
2141	Ephemeral Drainage	533.44	2.75	0.25	10.00	1.50	0.034	0.122	112
2142	Ephemeral Drainage	994.00	8.33	0.23	38.33	2.50	0.418	0.783	112
2143	Ephemeral Drainage	857.07	5.00	0.25	5.67	2.00	0.098	0.112	112
2144	Ephemeral Drainage	857.08	3.15	0.35	5.00	1.75	0.063	0.098	112
2145	Ephemeral Drainage	738.49	2.50	0.23	6.67	2.33	0.042	0.113	112
2146	Ephemeral Drainage	802.02	2.75	0.30	25.00	2.00	0.052	0.460	124
2147	Ephemeral Drainage	802.00	11.00	0.13	18.67	0.83	5.163	5.419	125
2148	Ephemeral Drainage	1,245.00	9.33	0.20	11.33	3.17	0.932	1.254	126
2149	Ephemeral Drainage	1,059.85	3.40	0.20	8.67	1.17	0.083	0.212	126
2150	Ephemeral Drainage	158.00	6.75	0.15	20.00	3.00	0.025	0.073	127

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2151	Ephemeral Drainage	273.00	6.83	0.20	11.67	2.17	0.197	0.247	127
2152	Ephemeral Drainage	61.16	4.25	0.25	11.75	1.75	0.006	0.017	127
2153	Ephemeral Drainage	1,166.00	3.17	0.20	20.00	2.00	0.374	0.550	128
2154	Ephemeral Drainage	1,139.32	2.00	0.13	6.00	2.50	0.052	0.157	128
2155	Ephemeral Drainage	858.47	2.00	0.17	4.67	1.33	0.039	0.093	128
2156	Ephemeral Drainage	1,060.00	3.50	0.20	5.00	1.00	0.480	0.530	128
2157	Ephemeral Drainage	101.34	2.00	0.20	3.50	1.50	0.005	0.008	137
2158	Ephemeral Drainage	229.00	4.00	0.17	7.67	1.50	0.116	0.167	137
2159	Ephemeral Drainage	187.91	5.25	0.15	12.00	2.75	0.005	0.185	138
2160	Ephemeral Drainage	1,308.00	1.50	0.20	4.00	2.00	0.045	0.120	139
2161	Ephemeral Drainage	700.00	3.67	0.27	13.67	2.50	0.342	0.848	139
2162	Ephemeral Drainage	481.15	1.25	0.15	6.00	2.00	0.014	0.066	139

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2163	Ephemeral Drainage	666.11	2.00	0.25	4.50	2.50	0.030	0.067	139
2164	Ephemeral Drainage	867.00	5.00	0.25	14.50	2.25	0.622	0.719	140
2165	Ephemeral Drainage	1,041.00	4.00	0.13	7.33	2.33	0.480	0.599	140
2166	Ephemeral Drainage	434.86	2.15	0.10	4.50	1.00	0.022	0.045	140
2167	Ephemeral Drainage	1,349.00	10.83	0.33	36.67	2.67	7.035	7.664	142
2168	Ephemeral Drainage	1,316.00	6.17	0.27	44.67	2.67	1.896	2.252	142
2169	Ephemeral Drainage	951.00	18.00	0.30	27.00	3.00	1.617	1.823	142
2170	Ephemeral Drainage	374.72	24.00	0.10	13.50	3.50	0.112	0.206	141
2172	Ephemeral Drainage	1,738.00	24.00	0.23	28.33	1.83	13.834	14.083	148
2173	Ephemeral Drainage	741.97	1.50	0.10	21.00	4.00	0.026	0.357	147
2174	Ephemeral Drainage	1313.42	2.50	0.10	35.00	9.00	0.075	1.051	147
2175	Ephemeral Drainage	1019.74	2.75	0.15	15.00	3.50	0.066	0.351	147

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
2176	Ephemeral Drainage	1755.00	7.17	0.23	20.00	2.33	6.334	6.750	147
2177	Ephemeral Drainage	1243.00	6.83	0.27	25.33	3.00	3.780	3.921	147
2178	Ephemeral Drainage	771.26	4.75	0.30	13.50	2.75	0.085	0.239	147
3000	Ephemeral Drainage	42.21	2.00	0.30	1.60	0.90	0.002	0.002	10
3001	Ephemeral Drainage	545.31	1.03	0.17	2.07	0.57	0.012	0.026	10
3002	Ephemeral Drainage	493.51	1.10	0.17	1.77	0.63	0.012	0.020	10
3003	Ephemeral Drainage	116.00	0.00	0.25	0.00	1.05	0.041	0.045	10
3004	Ephemeral Drainage	246.12	1.20	0.10	2.05	0.70	0.007	0.012	10
3005	Ephemeral Drainage	326.81	1.10	0.15	5.40	3.20	0.008	0.040	10
3006	Ephemeral Drainage	775.52	3.00	0.13	10.47	0.93	0.053	0.187	12
3007	Ephemeral Drainage	444.54	3.73	0.10	5.80	0.30	0.038	0.059	12
3008	Ephemeral Drainage	59.67	6.70	0.10	8.60	1.80	0.009	0.012	13

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3009	Ephemeral Drainage	67.04	2.40	0.10	5.40	0.50	0.004	0.008	13
3010	Ephemeral Drainage	49.59	1.20	0.10	3.40	1.70	0.001	0.004	15
3013	Ephemeral Drainage	726.86	2.07	0.20	2.97	0.67	0.035	0.050	17
3015	Ephemeral Drainage	213.38	1.75	0.10	3.15	0.35	0.009	0.016	21
3016	Ephemeral Drainage	66.08	3.70	0.10	4.80	0.40	0.006	0.007	22
3017	Ephemeral Drainage	75.49	4.75	0.10	5.85	0.70	0.008	0.010	22
3018	Ephemeral Drainage	104.29	6.00	0.10	7.60	0.60	0.014	0.018	22
3019	Ephemeral Drainage	72.59	3.10	0.30	7.50	0.60	0.005	0.012	22
3020	Ephemeral Drainage	32.51	0.80	0.20	2.30	0.60	0.001	0.002	23
3021	Ephemeral Drainage	58.37	1.70	0.10	2.90	1.10	0.002	0.004	23
3022	Ephemeral Drainage	87.95	1.10	0.10	4.00	0.20	0.002	0.008	24
3023	Ephemeral Drainage	62.59	1.50	0.10	4.20	0.20	0.002	0.006	24

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3024	Ephemeral Drainage	75.75	2.10	0.10	3.80	0.20	0.004	0.007	24
3025	Ephemeral Drainage	125.59	5.60	0.10	10.50	0.90	0.016	0.031	27
3026	Ephemeral Drainage	202.54	14.95	0.10	16.10	0.25	0.070	0.075	32
3027	Ephemeral Drainage	32.13	1.30	0.10	3.30	0.40	0.001	0.002	32
3028	Ephemeral Drainage	116.95	7.30	0.10	10.70	0.20	0.020	0.029	32
3030	Ephemeral Drainage	19.87	1.00	0.10	1.90	0.20	0.000	0.001	43
3031	Ephemeral Drainage	49.72	1.40	0.10	2.70	0.20	0.002	0.003	43
3032	Ephemeral Drainage	185.00	0.00	0.10	0.00	0.30	0.103	0.114	43
3033	Ephemeral Drainage	95.66	3.30	0.10	3.60	0.30	0.007	0.008	48
3034	Ephemeral Drainage	943.30	4.33	0.17	6.97	0.77	0.093	0.152	49
3035	Ephemeral Drainage	193.97	3.55	0.45	10.35	0.70	0.016	0.045	49
3036	Ephemeral Drainage	697.71	2.00	0.10	10.45	0.80	0.032	0.166	49

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
3037	Ephemeral Drainage	527.22	1.40	0.10	3.75	0.45	0.017	0.046	49
3038	Ephemeral Drainage	977.97	241.00	0.55	245.00	1.20	1.536	1.591	52
3039	Ephemeral Drainage	1014.90	9.20	0.15	14.40	0.50	0.214	0.335	56
3040	Ephemeral Drainage	206.41	5.10	0.10	13.10	0.30	0.024	0.062	56
3041	Ephemeral Drainage	562.94	2.40	0.10	6.40	0.25	0.031	0.083	56
3042	Ephemeral Drainage	314.36	3.10	0.10	4.20	0.20	0.022	0.030	56
3043	Ephemeral Drainage	314.36	80.00	0.10	85.00	0.80	5.211	5.552	56
3044	Ephemeral Drainage	565.98	1.50	0.10	2.90	0.22	0.019	0.037	56
3045	Ephemeral Drainage	146.51	3.50	0.10	13.10	0.20	0.012	0.044	57
3046	Ephemeral Drainage	177.35	2.20	0.10	11.20	0.20	0.009	0.046	57
3047	Ephemeral Drainage	64.15	0.90	0.10	4.40	0.20	0.001	0.006	57
3048	Ephemeral Drainage	852.46	2.05	0.10	7.05	0.35	0.041	0.139	58

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
3049	Ephemeral Drainage	273.41	1.90	0.10	3.80	0.35	0.012	0.023	58
3050	Ephemeral Drainage	202.21	2.00	0.10	3.85	0.20	0.009	0.018	58
3051	Ephemeral Drainage	782.60	2.75	0.10	9.65	0.20	0.050	0.174	58
3052	Ephemeral Drainage	889.00	0.00	0.40	0.00	1.50	3.017	3.180	83
3053	Ephemeral Drainage	478.84	1.35	0.10	2.35	0.25	0.015	0.026	83
3054	Ephemeral Drainage	472.95	1.35	0.10	2.35	0.30	0.015	0.026	83
3055	Ephemeral Drainage	168.06	1.80	0.10	3.60	0.60	0.007	0.014	83
3056	Ephemeral Drainage	151.78	300.00	0.20	304.00	1.00	0.043	0.053	83
3057	Ephemeral Drainage	525.76	2.17	0.10	3.63	0.43	0.027	0.043	84
3058	Ephemeral Drainage	621.00	0.00	0.10	1.00	0.60	1.360	1.440	84
3059	Ephemeral Drainage	287.95	1.95	0.10	3.00	0.20	0.013	0.020	84
3060	Ephemeral Drainage	253.91	1.60	0.10	3.05	0.20	0.009	0.018	85

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
3061	Ephemeral Drainage	196.89	3.35	0.10	5.90	0.25	0.015	0.027	87
3062	Ephemeral Drainage	88.00	0.00	0.10	0.00	0.30	0.035	0.040	88
3063	Ephemeral Drainage	76.00	1.60	0.10	3.20	0.20	0.003	0.006	96
3064	Ephemeral Drainage	111.00	0.00	0.10	0.00	0.30	0.036	0.042	96
3065	Ephemeral Drainage	102.76	1.60	0.10	3.60	0.50	0.004	0.008	96
3066	Ephemeral Drainage	248.00	0.00	0.20	0.00	0.80	0.417	0.442	99
3068	Ephemeral Drainage	492.19	2.17	0.10	6.10	0.23	18.464	18.600	103
3069	Ephemeral Drainage	94.54	1.30	0.20	2.30	0.30	0.003	0.005	103
3070	Ephemeral Drainage	127.63	1.30	0.10	3.25	0.40	0.004	0.009	103
3071	Ephemeral Drainage	1,071.00	0.00	0.20	0.00	1.50	1.607	1.756	103
3072	Ephemeral Drainage	116.58	33.00	0.10	35.00	0.30	0.009	0.011	113
3073	Ephemeral Drainage	124.03	2.30	0.20	4.85	0.70	0.007	0.014	113

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
3074	Ephemeral Drainage	141.73	4.45	0.25	13.70	0.35	0.015	0.045	114
3075	Ephemeral Drainage	1,065.00	0.00	0.20	0.00	0.70	6.308	6.574	115
3076	Ephemeral Drainage	183.68	1.40	0.10	3.70	0.20	0.006	0.016	115
3079	Ephemeral Drainage	276.00	0.00	0.10	0.00	0.30	0.204	0.237	122
3080	Ephemeral Drainage	661.73	2.47	0.10	5.37	0.20	0.038	0.082	120
3081	Ephemeral Drainage	434.25	2.40	0.10	4.00	0.20	0.024	0.040	120
3082	Ephemeral Drainage	495.65	2.95	0.10	6.40	0.20	0.034	0.073	120
3083	Ephemeral Drainage	64.95	2.40	0.10	4.40	0.30	0.004	0.007	120
3084	Ephemeral Drainage	972.54	3.00	0.10	6.30	0.27	0.067	0.141	120
3085	Ephemeral Drainage	145.38	1.90	0.10	3.20	0.30	0.006	0.011	120
3086	Ephemeral Drainage	366.87	2.00	0.10	4.05	0.20	0.017	0.035	120
3087	Ephemeral Drainage	68.88	1.15	0.15	4.60	0.30	0.002	0.007	121

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
3088	Ephemeral Drainage	169.00	0.00	0.20	0.00	0.90	0.086	0.097	121
3089	Ephemeral Drainage	650.81	1.35	0.10	3.70	0.25	0.021	0.055	123
3090	Ephemeral Drainage	795.15	1.50	0.10	4.65	0.20	0.027	0.086	123
3091	Ephemeral Drainage	763.92	1.35	0.10	3.10	0.30	0.025	0.054	123
3092	Ephemeral Drainage	889.78	2.10	0.10	3.90	0.20	0.043	0.080	123
3093	Ephemeral Drainage	176.91	1.25	0.10	2.45	0.55	0.005	0.010	134
3095	Ephemeral Drainage	32.74	2.25	0.10	2.85	0.50	0.002	0.002	135
3096	Ephemeral Drainage	250.00	0.00	0.10	0.00	0.80	0.131	0.147	132
3097	Ephemeral Drainage	356.76	1.30	0.10	2.10	0.35	0.011	0.017	132
3098	Ephemeral Drainage	1,371.78	2.17	0.10	8.47	0.23	0.069	0.268	132
3099	Ephemeral Drainage	182.32	1.70	0.10	3.40	0.20	0.007	0.014	132
3100	Ephemeral Drainage	712.02	2.10	0.10	3.95	0.30	0.034	0.065	132

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
3101	Ephemeral Drainage	352.27	1.60	0.10	2.65	0.20	0.013	0.022	132
3102	Ephemeral Drainage	124.74	1.70	0.10	2.50	0.20	0.005	0.007	132
3103	Ephemeral Drainage	404.92	1.75	0.10	3.85	0.25	0.017	0.036	132
3104	Ephemeral Drainage	59.63	1.60	0.10	3.40	0.20	0.002	0.005	133
3105	Ephemeral Drainage	850.00	0.00	0.10	0.00	0.20	0.670	0.741	136
3106	Ephemeral Drainage	776.97	1.73	0.10	4.23	0.23	0.030	0.075	136
3107	Ephemeral Drainage	229.25	1.30	0.10	2.40	0.20	0.007	0.013	136
3108	Ephemeral Drainage	141.77	1.90	0.10	2.80	0.80	0.006	0.009	136
3109	Ephemeral Drainage	157.59	1.10	0.10	3.10	0.20	0.004	0.011	149
4000	Ephemeral Drainage	38.74	1.83	0.70	3.67	1.17	0.002	0.003	4
4001	Ephemeral Drainage	446.12	2.50	0.67	13.33	3.67	0.025	0.133	4
4002	Ephemeral Drainage	176.68	1.00	0.40	1.67	0.57	0.004	0.007	4

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4003	Ephemeral Drainage	192.10	0.80	0.30	1.33	0.80	0.007	0.011	4
4006	Ephemeral Drainage	74.29	1.17	0.33	2.50	1.17	0.004	0.009	4
4007	Ephemeral Drainage	59.29	1.00	0.33	5.33	5.33	0.003	0.014	4
4010	Ephemeral Drainage	99.21	0.47	0.20	0.63	0.40	0.002	0.003	4
4011	Ephemeral Drainage	259.80	1.33	0.17	1.67	0.60	0.016	0.020	4
4012	Ephemeral Drainage	214.09	0.70	0.30	1.50	1.13	0.007	0.015	4
4013	Ephemeral Drainage	370.51	3.17	0.20	4.50	1.00	0.027	0.038	4
4016	Ephemeral Drainage	262.83	1.10	0.13	3.83	0.63	0.007	0.023	11
4017	Ephemeral Drainage	367.01	0.53	0.20	1.50	0.80	0.004	0.012	11
4018	Ephemeral Drainage	125.98	0.53	0.20	1.53	0.83	0.003	0.009	11
4019	Ephemeral Drainage	250.61	0.97	0.20	1.57	0.53	0.012	0.018	11
4025	Ephemeral Drainage	102.95	1.13	0.37	2.33	1.17	0.003	0.005	14

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4026	Ephemeral Drainage	38.10	0.57	0.30	0.80	0.37	0.001	0.001	14
4027	Ephemeral Drainage	37.56	1.13	0.30	2.43	1.57	0.001	0.002	14
4028	Ephemeral Drainage	145.42	1.17	0.33	1.67	0.80	0.004	0.006	14
4030	Ephemeral Drainage	345.55	2.27	0.30	4.23	1.00	0.018	0.033	14
4031	Ephemeral Drainage	214.29	0.70	0.27	1.90	1.63	0.003	0.009	14
4032	Ephemeral Drainage	200.44	1.00	0.17	3.50	1.10	0.009	0.032	16
4033	Ephemeral Drainage	170.87	2.00	0.27	3.33	0.80	0.016	0.026	18
4034	Ephemeral Drainage	220.18	2.50	0.17	4.03	0.70	0.025	0.040	18
4035	Ephemeral Drainage	471.60	2.00	0.43	6.83	2.20	0.021	0.070	19
4036	Ephemeral Drainage	208.95	3.67	0.27	7.33	2.17	0.016	0.031	19
4037	Ephemeral Drainage	167.39	2.07	0.20	2.83	0.40	0.008	0.011	33
4038	Ephemeral Drainage	118.28	1.00	0.30	2.00	0.40	0.003	0.005	33

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4039	Ephemeral Drainage	704.62	11.67	0.43	13.17	0.90	0.189	0.213	33
4040	Ephemeral Drainage	394.10	0.00	0.23	0.00	0.43	0.070	0.318	33
4041	Ephemeral Drainage	33.23	1.47	0.20	3.23	0.53	0.001	0.002	34
4042	Ephemeral Drainage	39.94	1.33	0.33	2.07	0.83	0.001	0.002	34
4043	Ephemeral Drainage	1503.00	2.83	0.17	3.67	0.43	0.012	0.016	35
4044	Ephemeral Drainage	66.78	1.17	0.23	1.83	0.47	0.002	0.003	36
4045	Ephemeral Drainage	200.69	0.83	0.23	1.83	0.93	0.004	0.008	37
4046	Ephemeral Drainage	138.69	0.73	0.40	5.33	0.93	0.002	0.017	37
4047	Ephemeral Drainage	182.04	2.33	0.30	3.00	0.73	0.010	0.013	37
4048	Ephemeral Drainage	204.27	1.67	0.27	2.50	0.83	0.008	0.012	38
4049	Ephemeral Drainage	62.58	1.50	0.27	2.17	0.63	0.002	0.003	38
4050	Ephemeral Drainage	35.42	1.03	0.40	2.50	1.23	0.001	0.002	38

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4051	Ephemeral Drainage	642.86	0.00	0.23	0.00	0.33	0.444	11.391	39
4053	Ephemeral Drainage	667.00	0.00	0.20	0.00	0.50	0.716	0.716	40
4054	Ephemeral Drainage	667.00	0.00	0.20	0.00	0.40	0.589	0.589	40
4055	Ephemeral Drainage	1,078.79	14.67	0.20	16.33	0.80	0.358	0.397	44
4056	Ephemeral Drainage	840.00	0.00	0.17	0.00	0.43	1.603	1.661	44
4057	Ephemeral Drainage	1,191.00	0.00	0.17	0.00	0.53	2.008	2.055	44
4058	Ephemeral Drainage	288.24	1.63	0.40	3.50	0.80	0.011	0.023	44
4059	Ephemeral Drainage	85.41	1.67	0.30	3.33	0.63	0.003	0.006	44
4060	Ephemeral Drainage	335.00	0.00	0.20	0.00	0.43	0.111	0.119	37
4061	Ephemeral Drainage	34.00	0.00	0.47	0.00	1.50	0.014	0.016	37
4062	Ephemeral Drainage	117.59	3.67	0.40	5.50	0.97	0.010	0.015	44
4063	Ephemeral Drainage	419.10	2.83	1.10	4.67	1.50	0.026	0.043	150

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4064	Ephemeral Drainage	475.78	10.33	1.03	13.00	1.57	0.111	0.140	150
4065	Ephemeral Drainage	343.64	5.33	0.60	9.00	0.80	0.041	0.070	150
4066	Ephemeral Drainage	88.56	2.67	0.97	7.00	0.87	0.006	0.014	150
4067	Ephemeral Drainage	105.00	4.00	0.53	10.00	0.90	0.020	0.036	150
4068	Ephemeral Drainage	90.00	3.00	0.97	19.33	2.00	0.015	0.033	150
4069	Ephemeral Drainage	596.00	7.50	0.93	10.33	1.67	0.824	0.875	151, 152
4070	Ephemeral Drainage	126.91	8.83	0.43	10.33	1.10	0.026	0.031	151
4071	Ephemeral Drainage	51.33	3.50	1.47	5.50	2.83	0.004	0.006	151
4072	Ephemeral Drainage	93.69	1.10	0.40	2.00	0.87	0.002	0.004	151
4073	Ephemeral Drainage	88.00	2.00	0.40	2.17	0.80	0.017	0.023	151
4074	Ephemeral Drainage	1,941.00	14.67	1.23	17.33	2.00	13.651	13.767	151, 152
4075	Ephemeral Drainage	76.79	7.00	0.17	8.33	0.40	0.012	0.015	153

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4076	Ephemeral Drainage	396.55	5.00	0.23	7.83	1.17	0.046	0.071	70
4077	Ephemeral Drainage	282.69	5.17	0.23	7.33	1.33	0.034	0.047	70
4078	Ephemeral Drainage	760.00	3.67	0.10	4.33	0.27	0.786	0.797	70
4079	Ephemeral Drainage	412.00	6.33	0.23	7.67	0.40	0.478	0.492	70
4080	Ephemeral Drainage	41.60	0.73	0.50	1.17	0.87	0.001	0.001	72
4081	Ephemeral Drainage	120.02	3.33	0.30	5.67	1.33	0.009	0.016	72
4082	Ephemeral Drainage	393.89	0.57	0.27	1.27	0.87	0.005	0.012	73
4083	Ephemeral Drainage	362.09	0.83	0.93	1.37	0.57	0.007	0.012	73
4084	Ephemeral Drainage	59.61	0.50	0.30	1.47	0.63	0.001	0.002	73
4085	Ephemeral Drainage	55.00	11.00	0.87	15.33	1.93	0.011	0.017	74
4086	Ephemeral Drainage	246.02	1.50	0.67	2.37	1.13	0.008	0.014	74
4087	Ephemeral Drainage	1,328.00	7.33	0.70	14.67	3.13	0.667	0.930	75

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4088	Ephemeral Drainage	797.50	1.17	0.33	3.17	1.10	0.022	0.059	75
4089	Ephemeral Drainage	304.33	0.93	0.37	1.10	0.97	0.006	0.008	75
4090	Ephemeral Drainage	274.12	2.17	0.30	3.67	0.63	0.014	0.023	75
4091	Ephemeral Drainage	318.36	1.17	0.37	1.73	0.60	0.009	0.012	75
4092	Ephemeral Drainage	336.31	0.93	0.30	2.00	0.63	0.007	0.015	75
4093	Ephemeral Drainage	129.38	1.20	0.50	4.67	2.10	0.004	0.014	75
4094	Ephemeral Drainage	964.70	1.37	0.40	3.33	0.87	0.031	0.073	75
4095	Ephemeral Drainage	1,408.00	17.00	1.47	20.67	2.63	1.140	1.315	75
4096	Ephemeral Drainage	50.79	0.00	1.00	2.00	1.50	0.000	0.000	76
4097	Ephemeral Drainage	197.75	1.97	0.63	6.33	1.03	0.009	0.029	76
4098	Ephemeral Drainage	111.57	2.13	0.50	4.00	1.00	0.005	0.010	77
4099	Ephemeral Drainage	32.48	3.33	0.40	4.83	0.80	0.000	0.000	77

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4100	Ephemeral Drainage	140.41	20.67	0.30	22.00	0.90	0.070	0.075	77
4101	Ephemeral Drainage	90.06	6.63	0.30	9.67	0.70	0.004	0.005	77
4103	Ephemeral Drainage	1071.00	11.00	0.33	15.67	0.77	1.086	1.143	77
4104	Ephemeral Drainage	1071.00	5.33	0.30	9.33	0.60	0.202	0.202	77
4105	Ephemeral Drainage	75.00	2.50	0.23	4.33	0.47	0.062	0.064	89
4106	Ephemeral Drainage	260.00	5.00	0.17	8.67	0.43	0.339	0.346	89
4107	Ephemeral Drainage	44.92	2.83	0.17	4.17	0.37	0.003	0.004	89
4108	Ephemeral Drainage	376.51	2.00	0.13	3.67	0.37	0.017	0.032	89
4109	Ephemeral Drainage	821.04	1.00	0.25	1.50	0.40	0.019	0.028	89
4110	Ephemeral Drainage	319.86	2.67	0.20	3.33	0.60	0.020	0.024	89
4111	Ephemeral Drainage	140.77	1.00	0.20	2.00	0.50	0.003	0.006	91
4112	Ephemeral Drainage	140.77	2.00	0.23	4.33	0.53	14.689	14.689	92

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4113	Ephemeral Drainage	64.74	3.33	0.20	4.67	0.37	0.006	0.006	93
4114	Ephemeral Drainage	266.25	30.67	0.33	72.67	0.90	0.074	0.110	95
4115	Ephemeral Drainage	571.42	1.50	0.13	2.00	0.33	0.020	0.026	95
4116	Ephemeral Drainage	508.76	1.83	0.20	3.00	0.53	0.021	0.035	95
4117	Ephemeral Drainage	220.00	2.83	0.27	3.67	0.50	0.074	0.078	95
4118	Ephemeral Drainage	405.00	2.17	0.23	3.17	1.00	0.338	0.346	100
4120	Ephemeral Drainage	674.46	2.33	0.13	3.50	0.37	0.036	0.054	100
4121	Ephemeral Drainage	893.77	2.67	0.13	3.33	0.27	3.315	3.321	100
4122	Ephemeral Drainage	1,045.28	1.17	0.13	1.50	0.27	4.784	4.789	100
4123	Ephemeral Drainage	520.00	3.67	0.20	4.67	0.43	0.260	0.296	100
4124	Ephemeral Drainage	203.93	1.67	0.20	2.33	0.37	0.008	0.011	100
4125	Ephemeral Drainage	45.18	1.83	0.20	2.33	0.37	0.002	0.002	106

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4126	Ephemeral Drainage	33.43	0.63	0.37	0.80	0.67	0.000	0.001	106
4127	Ephemeral Drainage	49.95	0.87	0.40	1.10	0.40	0.001	0.001	106
4128	Ephemeral Drainage	267.70	1.67	0.57	2.83	0.67	0.010	0.017	106
4129	Ephemeral Drainage	373.67	8.00	0.27	6.33	0.47	0.374	0.382	109
4130	Ephemeral Drainage	322.90	0.80	0.50	2.00	0.63	0.006	0.015	110
4131	Ephemeral Drainage	129.97	0.50	0.30	1.17	0.60	0.001	0.004	110
4132	Ephemeral Drainage	107.75	0.63	0.47	1.23	0.77	0.001	0.003	110
4133	Ephemeral Drainage	2,159.00	8.00	0.47	12.67	0.65	17.835	18.111	110
4134	Ephemeral Drainage	310.00	5.00	0.30	13.33	0.60	0.349	0.421	110
4135	Ephemeral Drainage	121.77	0.70	0.40	1.50	0.63	0.002	0.004	110
4137	Ephemeral Drainage	293.62	1.20	0.30	3.33	0.87	0.008	0.022	110
4138	Ephemeral Drainage	38.66	1.53	0.60	3.83	2.43	0.001	0.003	110

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4139	Ephemeral Drainage	186.00	3.67	0.70	7.33	2.03	0.143	0.152	110
4140	Ephemeral Drainage	42.43	2.17	0.80	3.67	1.83	0.002	0.004	110
4141	Ephemeral Drainage	40.10	2.17	0.57	3.17	0.77	0.002	0.003	110
4142	Ephemeral Drainage	129.86	1.50	0.30	4.33	0.50	0.004	0.013	110
4143	Ephemeral Drainage	44.50	2.00	0.40	3.33	0.60	0.002	0.003	110
4144	Ephemeral Drainage	37.63	3.00	0.30	5.00	0.57	0.003	0.004	110
4145	Ephemeral Drainage	62.21	1.33	0.50	2.00	0.97	0.002	0.003	111
4146	Ephemeral Drainage	457.56	3.67	0.30	8.67	0.70	0.039	0.092	112
4147	Ephemeral Drainage	772.85	1.10	0.30	5.93	0.57	0.020	0.105	115
4148	Ephemeral Drainage	127.61	1.83	0.23	3.50	0.63	0.005	0.010	115
4149	Ephemeral Drainage	134.76	1.50	0.30	2.50	0.40	0.005	0.008	115
4150	Ephemeral Drainage	1,019.00	3.00	0.33	21.67	0.90	0.363	0.411	115

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4151	Ephemeral Drainage	543.00	1.33	0.30	4.00	0.70	0.049	0.065	115
4152	Ephemeral Drainage	650.21	9.00	0.23	10.33	0.97	0.134	0.153	108
4153	Ephemeral Drainage	1,123.00	2.00	0.17	3.17	0.60	2.769	2.825	108
4154	Ephemeral Drainage	46.41	6.83	0.33	10.67	0.83	0.007	0.011	116
4155	Ephemeral Drainage	33.64	9.00	0.47	13.33	1.17	0.007	0.010	116
4156	Ephemeral Drainage	35.15	1.00	0.27	1.67	0.70	0.001	0.001	116
4157	Ephemeral Drainage	266.45	6.33	0.17	8.67	0.60	0.039	0.053	116
4158	Ephemeral Drainage	47.67	3.83	0.60	4.50	1.00	0.004	0.005	116
4159	Ephemeral Drainage	4,611.27	17.67	0.27	21.33	1.17	1.868	2.248	117, 118
4160	Ephemeral Drainage	395.96	9.67	0.17	11.00	0.37	0.079	0.087	118
4161	Ephemeral Drainage	1,191.00	4.67	0.30	6.00	0.67	1.423	1.478	118
4162	Ephemeral Drainage	199.00	5.33	0.33	7.00	1.30	0.089	0.096	119

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4163	Ephemeral Drainage	190.70	1.67	0.27	2.50	0.73	0.007	0.011	129
4164	Ephemeral Drainage	225.40	1.67	0.17	2.83	0.40	0.009	0.014	129
4165	Ephemeral Drainage	37.55	1.17	0.27	2.17	0.60	0.001	0.002	130
4166	Ephemeral Drainage	415.22	7.33	0.40	11.00	2.33	0.069	0.104	130
4167	Ephemeral Drainage	1,017.91	6.00	0.23	10.00	0.80	2.546	2.568	130
4168	Ephemeral Drainage	211.34	2.83	0.13	5.33	0.47	0.014	0.026	131
4169	Ephemeral Drainage	285.85	1.53	0.30	8.00	0.63	0.010	0.052	143
4170	Ephemeral Drainage	494.22	2.93	0.37	6.67	0.70	0.033	0.076	143
4171	Ephemeral Drainage	1,775.00	4.00	1.40	167.00	3.00	5.336	5.704	145
4172	Ephemeral Drainage	1,375.42	2.17	1.40	8.67	3.83	0.069	0.272	144, 145
4173	Ephemeral Drainage	936.59	3.33	0.57	14.67	2.17	0.070	0.305	145
4174	Ephemeral Drainage	2334.00	7.50	0.67	14.33	1.83	16.292	16.485	144, 145

Feature ID	Feature Type	Drainage Length (Feet)	Average of OHWM Widths (Feet)	Average of OHWM Depths (Feet)	Average of TOB Widths (Feet)	Average of TOB Depths (Feet)	USACE-, RWQCB-, and NDEP-Jurisdictional Areas (Acres)	CDFW-Jurisdictional Areas (Acres)	Attachment B Map Page
4175	Ephemeral Drainage	2,023.42	3.33	0.33	16.67	0.97	0.153	0.767	144, 145
4176	Ephemeral Drainage	43.77	1.50	0.63	11.00	1.53	0.002	0.011	144
4177	Ephemeral Drainage	61.21	1.67	0.50	3.50	1.60	0.002	0.005	144
4178	Ephemeral Drainage	32.41	1.17	0.40	4.67	0.93	0.001	0.003	144
4179	Ephemeral Drainage	405.00	8.67	0.63	11.67	1.40	0.376	0.398	144
4180	Ephemeral Drainage	392.00	4.67	1.25	10.33	2.67	0.099	0.156	144
4181	Ephemeral Drainage	40.22	2.00	0.53	3.00	1.43	0.002	0.003	145
4182	Ephemeral Drainage	576.74	3.67	0.47	10.67	1.30	0.049	0.142	146
4183	Ephemeral Drainage	953.46	8.83	0.37	12.33	0.67	2.445	2.467	146
Grand Total	**N/A**	**218,183.97**	**N/A**	**N/A**	**N/A**	**N/A**	**253.148**	**297.556**	

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ATTACHMENT D: DRAINAGE PHOTOGRAPH LOG

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Photograph 1: Feature 2001, looking downstream.

Photograph 2: Feature 2001, view of OHWM.

Photograph 1: Feature 2002, looking downstream.

Photograph 2: Feature 2002, view of OHWM.

Photograph 1: Feature 2000, looking upstream.

Photograph 2: Feature 2000, view of OHWM.

Photograph 1: Feature 1001, looking downstream.

Photograph 2: Feature 1001, view of OHWM.

Photograph 1: Feature 4000, looking downstream.

Photograph 2: Feature 4000, view of OHWM.

Photograph 1: Feature 4001, looking downstream.

Photograph 2: Feature 4001, view of OHWM.

Photograph 1: Feature 4002, looking upstream.

Photograph 2: Feature 4002, view of OHWM.

Photograph 1: Feature 4003, looking downstream.

Photograph 2: Feature 4003, view of OHWM.

Photograph 1: Feature 4006, looking upstream.

Photograph 2: Feature 4006, view of OHWM.

Photograph 1: Feature 4007, looking downstream.

Photograph 2: Feature 4007, view of OHWM.

Photograph 1: Feature 4010, looking upstream.

Photograph 2: Feature 4010, view of OHWM.

Photograph 1: Feature 4011, looking downstream.

Photograph 2: Feature 4011, view of OHWM.

Photograph 1: Feature 4012, looking upstream.

Photograph 2: Feature 4012, view of OHWM.

Photograph 1: Feature 4013, looking downstream.

Photograph 2: Feature 4013, view of OHWM.

Photograph 1: Feature 1002, looking upstream.

Photograph 2: Feature 1002, view of OHWM.

Photograph 1: Feature 1003, looking upstream.

Photograph 2: Feature 1003, view of OHWM.

Photograph 1: Feature 1004, looking upstream.

Photograph 2: Feature 1004, view of OHWM.

Photograph 1: Feature 1005, looking upstream.

Photograph 2: Feature 1005, view of OHWM.

Photograph 1: Feature 1006, looking upstream.

Photograph 2: Feature 1006, view of OHWM.

Photograph 1: Feature 1007, looking downstream.

Photograph 2: Feature 1007, view of OHWM.

Photograph 1: Feature 1008, looking upstream.

Photograph 2: Feature 1008, view of OHWM.

Photograph 1: Feature 1009, looking downstream.

Photograph 2: Feature 1009, view of OHWM.

Photograph 1: Feature 1010, looking downstream.

Photograph 2: Feature 1010, view of OHWM.

Photograph 1: Feature 1013, looking downstream.

Photograph 2: Feature 1013, view of OHWM.

Photograph 1: Feature 1017, looking downstream.

Photograph 2: Feature 1017, view of OHWM.

Photograph 1: Feature 1019, looking downstream.

Photograph 2: Feature 1019, view of OHWM.

Photograph 1: Feature 1020, looking upstream.

Photograph 2: Feature 1020, view of OHWM.

Photograph 1: Feature 1022, looking upstream.

Photograph 2: Feature 1022, view of OHWM.

Photograph 1: Feature 1024, looking downstream.

Photograph 2: Feature 1024, view of OHWM.

Photograph 1: Feature 1025, looking upstream.

Photograph 2: Feature 1025, view of OHWM.

Photograph 1: Feature 1026, looking downstream.

Photograph 2: Feature 1026, view of OHWM.

Photograph 1: Feature 1027, looking downstream.

Photograph 2: Feature 1027, view of OHWM.

Photograph 1: Feature 2003, looking downstream.

Photograph 2: Feature 2003, view of OHWM.

Photograph 1: Feature 2004, looking upstream.

Photograph 2: Feature 2004, view of OHWM.

Photograph 1: Feature 2005, looking upstream.

Photograph 2: Feature 2005, view of OHWM.

Photograph 1: Feature 2006, looking upstream.

Photograph 2: Feature 2006, view of OHWM.

Photograph 1: Feature 3000, looking upstream.

Photograph 2: Feature 3000, view of OHWM.

Photograph 1: Feature 3001, looking upstream.

Photograph 2: Feature 3001, view of OHWM.

Photograph 1: Feature 3002, looking downstream.

Photograph 2: Feature 3002, view of OHWM.

Photograph 1: Feature 3003, looking upstream.

Photograph 2: Feature 3003, view of OHWM.

Photograph 1: Feature 3004, looking upstream.

Photograph 2: Feature 3004, view of OHWM.

Photograph 1: Feature 3005, looking upstream.

Photograph 2: Feature 3005, view of OHWM.

Photograph 1: Feature 4016, looking upstream.

Photograph 2: Feature 4016, view of OHWM.

Photograph 1: Feature 4017, looking downstream.

Photograph 2: Feature 4017, view of OHWM.

Photograph 1: Feature 4018, looking downstream.

Photograph 2: Feature 4018, view of OHWM.

Photograph 1: Feature 4019, looking downstream.

Photograph 2: Feature 4019, view of OHWM.

Photograph 1: Feature 2007, looking upstream.

Photograph 2: Feature 2007, view of OHWM.

Photograph 1: Feature 3006, looking upstream.

Photograph 2: Feature 3006, view of OHWM.

Photograph 1: Feature 3007, looking upstream.

Photograph 2: Feature 3007, view of OHWM.

Photograph 1: Feature 2008, looking downstream.

Photograph 2: Feature 2008, view of OHWM.

Photograph 1: Feature 3008, looking upstream.

Photograph 2: Feature 3008, view of OHWM.

Photograph 1: Feature 3009, looking downstream.

Photograph 2: Feature 3009, view of OHWM.

Photograph 1: Feature 4025, looking downstream.

Photograph 2: Feature 4025, view of OHWM.

Photograph 1: Feature 4026, looking upstream.

Photograph 2: Feature 4026, view of OHWM.

Photograph 1: Feature 4027, looking downstream.

Photograph 2: Feature 4027, view of OHWM.

Photograph 1: Feature 4028, looking downstream.

Photograph 2: Feature 4028, view of OHWM.

Photograph 1: Feature 4030, looking downstream.

Photograph 2: Feature 4030, view of OHWM.

Photograph 1: Feature 4031, looking downstream.

Photograph 2: Feature 4031, view of OHWM.

Photograph 1: Feature 3010, looking upstream.

Photograph 2: Feature 3010, view of OHWM.

Photograph 1: Feature 4032, looking upstream.

Photograph 2: Feature 4032, view of OHWM.

Photograph 1: Feature 3013, looking upstream.

Photograph 2: Feature 3013, view of OHWM.

Photograph 1: Feature 4033, looking downstream.

Photograph 2: Feature 4033, view of OHWM.

Photograph 1: Feature 4034, looking upstream.

Photograph 2: Feature 4034, view of OHWM.

Photograph 1: Feature 4035, looking downstream.

Photograph 2: Feature 4035, view of OHWM.

Photograph 1: Feature 4036, looking downstream.

Photograph 2: Feature 4036, view of OHWM.

Photograph 1: Feature 2013, looking downstream.

Photograph 2: Feature 2013, view of OHWM.

Photograph 1: Feature 2015, looking downstream.

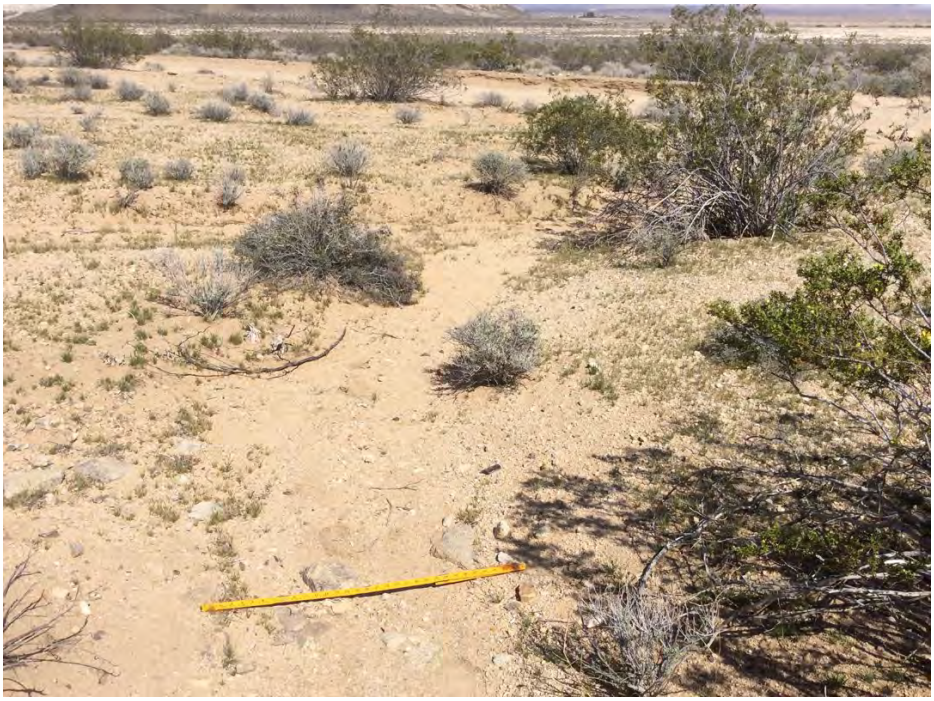
Photograph 2: Feature 2015, view of OHWM.

Photograph 1: Feature 2017, looking downstream.

Photograph 2: Feature 2017, view of OHWM.

Photograph 1: Feature 2018, looking downstream.

Photograph 2: Feature 2018, view of OHWM.



Photograph 1: Feature 2019, looking downstream.

Photograph 2: Feature 2019, view of OHWM.

Photograph 1: Feature 2020, looking downstream.

Photograph 2: Feature 2020, view of OHWM.

Photograph 1: Feature 2022, looking upstream.

Photograph 2: Feature 2022, view of OHWM.

Photograph 1: Feature 3015, looking upstream.

Photograph 2: Feature 3015, view of OHWM.

Photograph 1: Feature 3016, looking upstream.

Photograph 2: Feature 3016, view of OHWM.

Photograph 1: Feature 3017, looking upstream.

Photograph 2: Feature 3017, view of OHWM.

Photograph 1: Feature 3018, looking upstream.

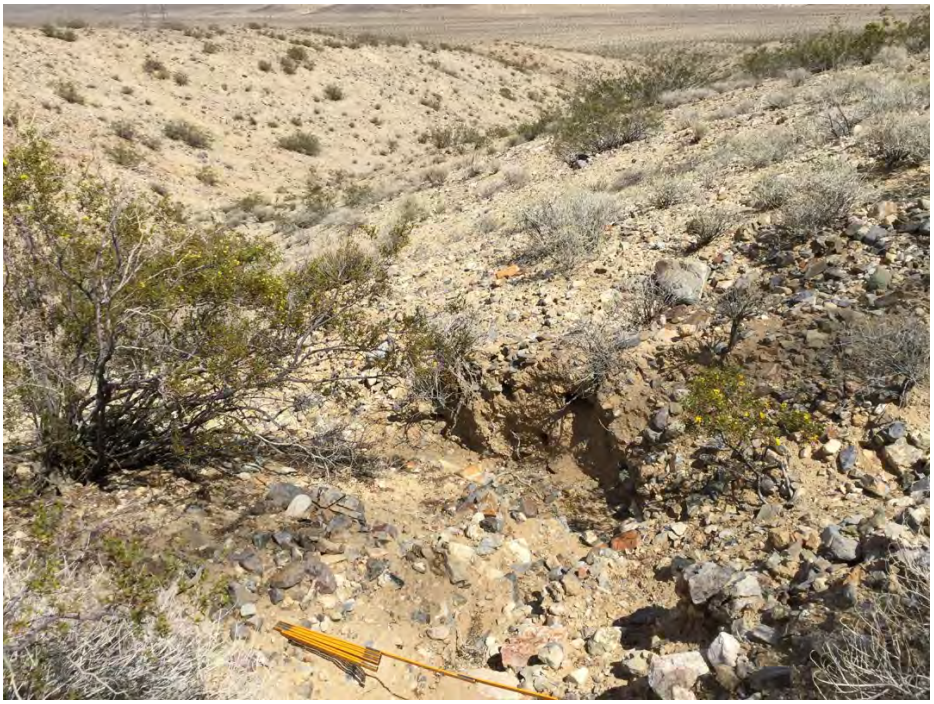
Photograph 2: Feature 3018, view of OHWM.

Photograph 1: Feature 3019, looking upstream.

Photograph 2: Feature 3019, view of OHWM.

Photograph 1: Feature 3020, looking downstream.

Photograph 2: Feature 3020, view of OHWM.



Photograph 1: Feature 3021, looking downstream.

Photograph 2: Feature 3021, view of OHWM.

Photograph 1: Feature 3022, looking downstream.

Photograph 2: Feature 3022, view of OHWM.

Photograph 1: Feature 3023, looking downstream.

Photograph 2: Feature 3023, view of OHWM.

Photograph 1: Feature 3024, looking upstream.

Photograph 2: Feature 3024, view of OHWM.

Photograph 1: Feature 2023, looking downstream.

Photograph 2: Feature 2023, view of OHWM.

Photograph 1: Feature 2024, looking downstream.

Photograph 2: Feature 2024, view of OHWM.

Photograph 1: Feature 2025, looking downstream.

Photograph 2: Feature 2025, view of OHWM.

Photograph 1: Feature 2026, looking downstream.

Photograph 2: Feature 2026, view of OHWM.

Photograph 1: Feature 2027, looking downstream.

Photograph 2: Feature 2027, view of OHWM.

Photograph 1: Feature 2028, looking upstream.

Photograph 2: Feature 2028, view of OHWM.

Photograph 1: Feature 2029, looking upstream.

Photograph 2: Feature 2029, view of OHWM.

Photograph 1: Feature 2030, looking downstream.

Photograph 2: Feature 2030, view of OHWM.

Photograph 1: Feature 3025, looking downstream.

Photograph 2: Feature 3025, view of OHWM.

Photograph 1: Feature 2031, looking upstream.

Photograph 2: Feature 2031, view of OHWM.

Photograph 1: Feature 2032, looking downstream.

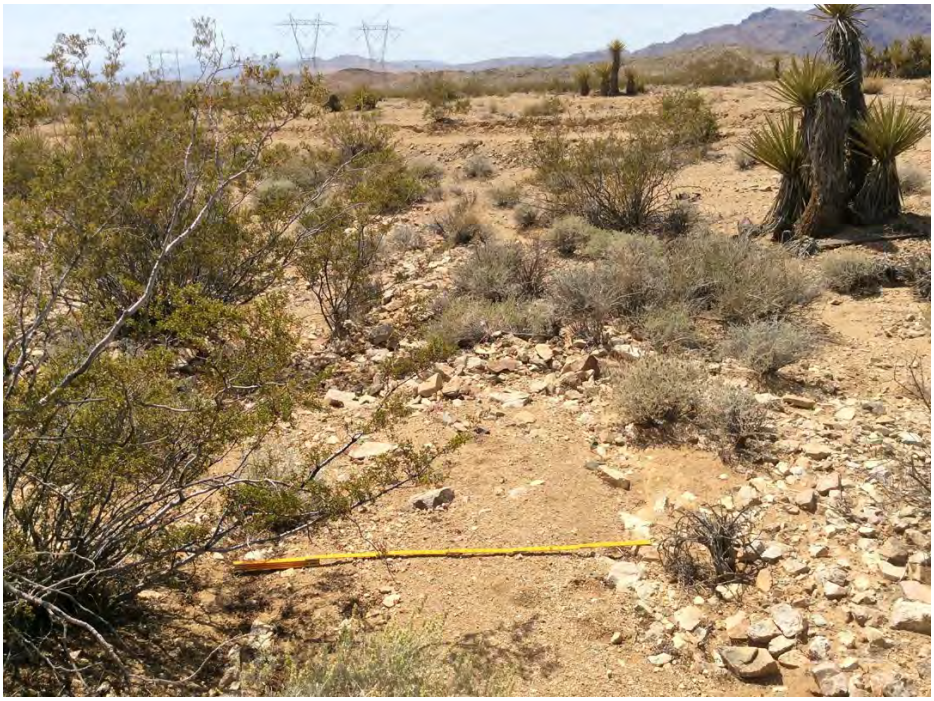
Photograph 2: Feature 2032, view of OHWM.

Photograph 1: Feature 2033, looking downstream.

Photograph 2: Feature 2033, view of OHWM.

Photograph 1: Feature 1029, looking downstream.

Photograph 2: Feature 1029, view of OHWM.



Photograph 1: Feature 1030, looking downstream.

Photograph 2: Feature 1030, view of OHWM.

Photograph 1: Feature 1031, looking upstream.

Photograph 2: Feature 1031, view of OHWM.

Photograph 1: Feature 1028, looking upstream.

Photograph 2: Feature 1028, view of OHWM.

Photograph 1: Feature 2034, looking upstream.

Photograph 2: Feature 2034, view of OHWM.

Photograph 1: Feature 2035, looking upstream.

Photograph 2: Feature 2035, view of OHWM.