[Final]

Eldorado–Lugo–Mohave Series Capacitor Project

Integrated Weed Management Plan

Prepared for

Southern California Edison

August 2020

Prepared by

Environmental Planning Group, LLC
4141 North 32nd Street, Suite 102
Phoenix, AZ 85018

Applicable agencies

Bureau of Land Management
National Park Service
California Public Utilities Commission
California Department of Fish and Wildlife
United States Fish and Wildlife Service
Nevada Department of Wildlife

This page intentionally left blank.

CONTENTS

FIGURES

TABLES

Acronyms and Abbreviations

APM	Applicant Proposed Measure
BLM	Bureau of Land Management
Cal-IPC	California Invasive Plant Council
CCR	California Code of Regulations
CDFA	California Department of Food and Agriculture
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CPUC	California Public Utilities Commission
GPS	Global Positioning System
HRRP	Habitat Restoration and Revegetation Plan
IWMP	Integrated Weed Management Plan
kV	Kilovolt
MM	Mitigation Measure
MNP	Mojave National Preserve
NEPA	National Environmental Policy Act
NDA	Nevada Department of Agriculture
NPS	National Park Service
PEIS	Programmatic Environmental Impact Statement
Plan	Integrated Weed Management Plan
Project	Eldorado–Lugo–Mohave Series Capacitor Project
ROW	Right(s)-of-way
RRA	Risk Rating and Action
S&RS	Science and Resource Stewardship Division
SCE	Southern California Edison
U.S.C.	United States Code
USDA	U.S. Department of Agriculture
WEAP	Worker Environmental Awareness Program

This page intentionally left blank.

1 INTRODUCTION

Southern California Edison (SCE) is proposing to construct two new mid-line series capacitors and make other improvements to increase capacity and power flow along three existing 500-kilovolt (kV) transmission lines under the Eldorado-Lugo-Mohave Series Capacitor Project (Project). This Integrated Weed Management Plan (IWMP or Plan) has primarily been prepared as required in mitigation measures required by authorizing agencies for the Project. The Plan prescribes methods and procedures to prevent and control the spread of weeds during preconstruction, construction, and restoration phases of the Project. SCE and/or its designees or contractors will be responsible for carrying out the methods and procedures described in this Plan.

1.1 Plan Scope

The scope of this Plan is geographically limited to the areas disturbed by the Project. Unless otherwise noted, locations outside the Project's construction footprint are not considered part of the Project area. Appendix C of this Plan directly addresses weed issues on National Park Service (NPS)-managed lands.

1.2 Goals and Objectives

The goal of this Plan is to avoid or minimize the spread of weeds as a result of Project activities, consistent with requirements provided by authorizing agencies.

The objectives of this Plan are as follows:

- Present a weed control strategy applicable to the Project
- Identify weed species present in the Project area
- Identify construction activities that may increase the presence of weeds or introduce new weed species on or adjacent to the corridor
- Specify implementation procedures, including reporting, to fulfill mitigation measures to avoid, contain, control, or eradicate weed populations where feasible in SCE's right-of-way (ROW) and other areas directly affected by Project construction.

Implementation procedures are intended to (1) prevent establishment of weeds where these are not currently found within affected Project areas, (2) avoid spreading of weeds already present to other areas, and (3) to the extent feasible, avoid worsening existing weed infestations.

1.3 Project Description

This Project will 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. SCE's Proposed Project would:

- Construct 2 new 500 kV mid-line series capacitors (i.e., the proposed Newberry Springs Series Capacitor and Ludlow Series Capacitor) and associated equipment.
- Provide 2 communication paths between the series capacitor sites.

- Install approximately 2 miles of overhead and 700 feet of underground telecommunications facilities as one path to connect the proposed series capacitors to SCE's existing communication system.
- Install approximately 2 miles of underground telecommunications facilities as a second communication path to connect the series capacitors to SCE's existing communication system.

- Provide station light and power to the proposed series capacitors by extending and/or rerouting existing lines to create approximately 2 miles of overhead and 700 feet of underground 12 kV distribution circuits. (The new distribution poles would support overhead telecommunication facilities as well as the electric distribution lines.)
- Construct 3 new fiber optic repeater facilities (Barstow, Kelbaker, and Lanfair) within the Lugo-Mohave ROW.
- Install distribution lines for light and power at the 3 proposed fiber optic repeater sites.
- Install underground telecommunications facilities from existing transmission structures to the Barstow, Kelbaker, and Lanfair fiber optic repeater sites.
- Address 16 potential overhead clearance discrepancies at 14 locations by:
  - Relocating, replacing, or modifying existing transmission, subtransmission, and distribution facilities at approximately 12 locations along the Eldorado-Lugo, Eldorado-Mohave, and Lugo-Mohave 500 kV transmission lines to address 14 of the overhead clearance discrepancies. Tower modifications would include raising 9 towers up to approximately 18.5 feet by inserting new lattice-steel sections in tower bodies.
  - Performing minor grading at 2 locations along the Lugo-Mohave 500 kV transmission line to address 2 of the overhead clearance discrepancies.
- Install approximately 232 miles of optical ground wire (OPGW) (approximately 59 miles on the Eldorado-Mohave transmission line and approximately 173 miles on the Lugo-Mohave transmission line and approximately 3 miles of underground telecommunications facilities in the vicinity of the Mohave Substation).
- Modify and strengthen the ground wire peak of existing suspension towers where OPGW splices would occur. (Some of these towers would also require minor modifications to the steel in the tower body.)
- Install approximately 2,000 feet of underground telecommunications facilities within the existing Lugo, Mohave, and Eldorado substations.
- Within Lugo Substation, perform modifications on the existing series capacitors and install new terminating equipment and remove 2 existing tubular steel poles (TSPs) and install 2 new TSPs on the Eldorado-Lugo and Lugo-Mohave 500 kV transmission lines.
- Within the Eldorado Substation, perform modifications on the existing series capacitors and upgrade the terminal equipment on the Eldorado-Lugo 500 kV transmission line.
- Within the Mohave Substation, replace existing series capacitors on the Lugo-Mohave 500 kV transmission line and install new terminal equipment on the Eldorado-Mohave and Lugo-Mohave 500 kV transmission lines.

- Install (if necessary) cathodic protection on approximately 60 miles of SoCalGas's natural gas pipelines parallel to SCE's Lugo-Mohave 500 kV transmission line and on other pipelines as needed.

1.4 Mitigation Measures

The Mitigation Measures (MM) and other conditions imposed by lead and cooperating federal and state agencies related to this Plan are provided in Table 1. The CPUC requires compliance with Project-specific MMs provided in August 2019 in response to Applicant-Proposed Measures previously submitted. The Bureau of Land Management (BLM) incorporated MMs into the Project's Environmental Assessment, and the NPS has provided conditions related to a Special Use Permit for the Project area within the Mohave National Preserve (MNP). Mitigation related to weed control is also a component of the Project's Incidental Take Permit (ITP), to minimize the effects of weeds on habitat for the Mojave Desert Tortoise (*Gopherus agassizii*), and this IWMP will aid in meeting those mitigation objectives.

1.5 Applicable Project Areas, Activities, and Timing

This Plan is applicable to all components and activities of the Project. The Plan establishes the methods that will be implemented during the preconstruction, construction, and restoration phases. The body of this Plan addresses the entire Project area, with the exception of the MNP. Inventory results and weed control specific to the MNP is provided in Appendix C.

The measures requiring this Plan also require that the Plan be implemented throughout the duration of Project activities. The requirements of this Plan will be met at the completion of revegetation or restoration that meets the success criteria defined in the HRRP.

1.6 Lead, Cooperating, and Consulting Agencies

1.6.1 Lead Agencies

Lead agencies have discretionary approval over the Project and are responsible for reviewing aspects of the measures documented in this Plan. The CPUC is California's lead agency responsible for compliance with the California Environmental Quality Act (CEQA) for Project areas on non-federal lands. The CPUC issued an Initial Study/Mitigated Negative Declaration for the Project under CEQA. The BLM Desert District is the federal lead agency responsible for compliance with NEPA for the Project areas on federal lands.

1.6.2 Cooperating Agencies

Because the Project also crosses the MNP, NPS elected to participate as a cooperating agency for the environmental review of the Project. Although the existing transmission lines associated with the Project also cross lands administered by the Bureau of Reclamation and the Department of Defense, the NPS represents the only federal cooperating agency at this time.

The NPS is working with SCE to develop an independent plan to address invasive plants within the MNP as a part of broader NPS management efforts. While this Plan may reference invasive plant issues within the MNP and provide general measures that will be implemented Project-wide to prevent the spread of weeds to uninfested areas, the separate plan prepared for the NPS will supersede the treatment

approach described in this Plan within the MNP. The NPS-specific plan is provided as Appendix C of this Plan.

1.6.3 Consulting Agencies

Consulting agencies are public agencies, other than the lead agencies, that may provide guidance or information needed to satisfy the requirements of the measures contained in this Plan. Consulting agencies for select mitigation measures listed in Table 1 include U.S. Fish and Wildlife Service, California Department of Fish and Wildlife (CDFW), Nevada Department of Wildlife, and the U.S. Army Corps of Engineers.

Table 1 Mitigation Measure Addressed	
Measure[a]	**Description**
CPUC BR-5	**Prepare and Implement an Integrated Weed Management Plan.** [Supersedes Applicant Proposed Measure (APM) BIO-03.] SCE shall prepare and implement an IWMP describing the proposed methods of preventing or controlling project-related spread of weeds or new weed infestations. The IWMP also must meet BLM's requirements for National Environmental Policy Act (NEPA) disclosure and analysis if herbicide use is proposed for the project. A Draft IWMP shall be submitted to the California Public Utilities Commission (CPUC) and BLM for review and approval at least 60 days prior to SCE's application for Notice to Proceed, and no preconstruction activities (e.g., for geotechnical borings, hazardous waste evaluations, etc.), construction, equipment or crew mobilization, or project-related ground-disturbing activity shall proceed until the IWMP is approved. For the purpose of the IWMP, "weeds" shall include designated noxious weeds, as well as any other non-native weeds or pest plants identified on the weed lists of the California Department of Food and Agriculture (CDFA), the California Invasive Plant Council (Cal-IPC), or identified by BLM as special concern. The IWMP will include the contents listed below. The IWMP will be implemented throughout project preconstruction, construction, and post-construction restoration phases, including throughout implementation of the Habitat Restoration and Revegetation Plan (HRRP) (Mitigation Measure BR-4). The IWMP will include the information defined in the following paragraphs. **Background.** An assessment of the Proposed Project's potential to cause spread of invasive non-native weeds into new areas, or to introduce new non-native invasive weeds into the ROW. This section must list known and potential non-native and invasive weeds occurring on the ROW and in the project region and identify threat rankings and potential consequences of project-related occurrence or spread for each species. This section must also identify control goals for each species (e.g., eradication, suppression, or containment) likely to be found within the Proposed Project area. **Preconstruction weed inventory.** SCE shall inventory weeds in all areas (both within and outside the ROW) subject to project-related vegetation removal/disturbance, "drive and crush," and ground-disturbing activity. The weed inventory shall also include vehicle and equipment access routes within the ROW and all project staging and storage yards. Weed occurrences shall be mapped and described according to density and area covered. **Preconstruction weed treatment.** Weed infestations identified in the preconstruction weed inventory shall be evaluated to identify potential for project-related spread. The IWMP will identify any infestations to be controlled or eradicated prior to project construction, or other site-specific weed management requirements (e.g., avoidance of soil or transport and site-specific vehicle washing where threat or spread potential is high). Control and follow-up monitoring of preconstruction weed treatment sites will follow methods identified in appropriate sections of the IWMP. **Prevention.** The IWMP shall specify methods to minimize potential transport of weed seeds onto the ROW, or from one section of the ROW to another. The ROW may be divided into "weed zones," based on known or likely invasive weeds in any portion of the ROW. The IWMP will specify inspection procedures for construction materials and equipment entering the Proposed Project area. Vehicles and equipment may be inspected and cleaned at entry points to specified portions of the ROW and before leaving work sites where weed occurrences must be contained locally. Construction equipment shall be cleaned of dirt and mud that could contain weed seeds, roots, or rhizomes. Equipment shall be inspected to ensure it is free of any dirt or mud that could contain weed seeds; and the tracks, outriggers, tires, and undercarriage will

Table 1 Mitigation Measure Addressed	
Measure[a]	**Description**
	be carefully washed, with special attention being paid to axles, frame, cross members, motor mounts, underneath steps, running boards, and front bumper/brush guard assemblies. Other construction vehicles (e.g., pick-up trucks) that will be frequently entering and exiting the site will be inspected and washed on an as-needed basis. Tools such as chainsaws, hand clippers, pruners, etc., shall be cleaned of dirt and mud before entering project work areas. All vehicles shall be washed off-site when possible. If off-site washing is infeasible, on-site cleaning stations will be set up at specified locations to clean equipment before it enters the work area. Wash stations will be located away from native habitat or special-status species occurrences. Wastewater from cleaning stations will not be allowed to run off the cleaning station site. When vehicles and equipment are washed, a daily log must be kept stating the location, date and time, types of equipment, methods used, and personnel present. The log shall contain the signature of the responsible crewmember. Written or electronic logs shall be available to BLM and CPUC monitors on request. Erosion control materials (e.g., hay bales) must be certified free of weed seed before they are brought onto the site. The IWMP must prohibit on-site storage or disposal of mulch or green waste that may contain weed material. Mulch or green waste will be removed from the site in a covered vehicle to prevent seed dispersal and transported to a licensed landfill or composting facility. The IWMP must specify guidelines for any soil, gravel, mulch, or fill material to be imported into the Proposed Project area, transported from site to site within the Proposed Project area, or transported from the Proposed Project area to an off-site location to prevent the introduction or spread of weeds to or from the Proposed Project area. **Monitoring.** The IWMP shall specify methods to survey for weeds during preconstruction, construction, and restoration phases, and shall specify qualifications of botanists responsible for weed monitoring and identification. It must include a monitoring schedule to ensure timely detection and immediate control of weed infestations to prevent further spread. Surveying and monitoring for weed infestations shall occur at least two times per year through the close of the restoration phase to coincide with the early detection period for early season and late season weeds (i.e., species germinating in winter and flowering in late winter or spring, and species germinating later in the season and flowering in summer or fall). It also must include methods for marking invasive weeds on the ROW and recording and communicating these locations to weed control staff. The map of weed locations (discussed above) shall be updated at least once a year. The monitoring section shall also describe methods for post-eradication monitoring to evaluate success of control efforts and any need for follow-up control. **Control.** The IWMP must specify manual and chemical weed control methods to be employed. The IWMP shall include only weed control measures with a demonstrated record of success for target weeds, based on the best available information. The plan shall describe proposed methods for promptly scheduling and implementing control activity when any weed infestation is located to ensure effective and timely weed control. Weed infestations must be controlled or eradicated as soon as possible upon discovery, and before they go to seed, to prevent further spread. All proposed weed control methods must minimize the extent of any disturbance to native vegetation, limit ingress and egress to defined routes, and avoid damage from herbicide use or other control methods to any environmentally sensitive areas identified within or adjacent to the ROW.

Table 1 Mitigation Measure Addressed	
Measure[a]	**Description**
	Weed infestations shall be treated at a minimum of once annually until eradication, suppression, or containment goals are met. For eradication, when no new seedlings or resprouts are observed for three consecutive, normal rainfall years, *OR* for five consecutive years regardless of rainfall, the weed occurrence can be considered eradicated and weed control efforts may cease for the site. Manual control shall specify well-timed removal of weeds or their seed heads with hand tools; seed heads and plants must be disposed of in accordance with guidelines from the San Bernardino County Agricultural Commissioner and Nevada Department of Agriculture (NDA), if such guidelines are available. The chemical control section must include specific and detailed plans for any herbicide use. It must indicate where herbicides will be used, which herbicides will be used, and specify techniques to be used to avoid drift or residual toxicity to wildlife and native vegetation or special-status plants, consistent with BLM's *Vegetation Treatments Using Herbicides on BLM Lands in 17 Western States* (BLM 2007) and *National Invasive Species Management Plan* (National Invasive Species Council 2008). Only state and BLM-approved herbicides may be used. Herbicide treatment will be implemented by a Licensed Qualified Applicator. Herbicides shall not be applied during or within 72 hours of predicted rain. Only water-safe herbicides shall be used in riparian areas or within channels (engineered or not) where they could run off into downstream areas. Herbicides shall not be applied when wind velocities exceed six (6) miles per hour. All herbicide applications will follow U.S. Environmental Protection Agency label instructions and will be in accordance with federal, state, and local laws and regulations. **Reporting schedule and contents.** The IWMP shall specify the reporting schedule and contents of each report.
NPS BR-6	**Weed Management** An Integrated Weed Management Plan shall be prepared and implemented to minimize the spread of noxious and invasive weeds during construction. The Integrated Weed Management Plan will follow guidelines set forth in the "SCE Right-of-way Weeds in Mojave National Preserve – Status and Guidance 2018" for construction activities in Mojave National Preserve. In particular, active control measures will be implemented during the appropriate control season prior to the start of construction. See LUPA-BIO-6/10/11 and LUPA-LIVE-1.
MNP-01[1]	The Permittee's activities shall be conducted to minimize the spread of non-native plants within the ROW permitted ("Eldorado-Lugo-Mohave 500 kV transmission line" and Pisgah-Cima-Eldorado No. 1 and No. 2 220 kV lines") areas.
MNP-02	The Permittee and MNP shall meet annually to review weed control efforts, results of those efforts, and the potential adjustment of the control measures, including possible reductions or expansions to Active Control and Containment areas and discuss MNP's landscape-level weed control projects and programs.
MNP-03	Permanent signage shall be placed on towers to demarcate the boundaries of Active Control and Containment areas. Global Position System (GPS) coordinates for sign locations will be incorporated into the Permittee's electronic databases.
MNP-04	The Permittee shall implement a worker weed control awareness program for personnel conducting operation and maintenance or project activities within Active Control and Containment areas.
MNP-05	Containment procedures require that vehicles and equipment be decontaminated prior to egressing Containment areas. a. For light contamination (mostly during dry conditions), decontamination consists of using compressed air and wire brushes to remove seeds and dirt that may contain seeds.

Table 1 Mitigation Measure Addressed	
Measure[a]	**Description**
	b. For heavy contamination (mostly during wet conditions), decontamination consists of using high-pressured washing to remove seed and mud that may contain seeds. Wash down stations will be established at the end of a Containment area. A drive through containment berm should be placed down to reduce probability of re-accumulation of contaminated soil. (For more information see Appendix B. Cleaning and Decontamination Procedures of the USBR Technical Memorandum No. 86-68220-07-05 Inspection and Cleaning Manual for Equipment and Vehicles to Prevent the Spread of Invasive Species) c. The Permittee shall maintain a decontamination log and make it available to MNP following completion of activities within Containment areas. d. The Permittee shall provide notification to the MNP at least 48 hours prior to conducting work in a Containment area and arrange for MNP Science & Resource Stewardship Division (S&RS) staff or designees to inspect the equipment and vehicles to ensure decontamination methods have been implemented properly and equipment and vehicles are weed-free. For activities that involve ingress/egress through multiple Containment Areas, a weekly look-ahead schedule will be provided to MNP in the event the MNP S&RS staff or designee elects to conduct additional field inspections.
MNP-06	Active Control requirements shall be satisfied through annual payment to MNP. MNP will be responsible for Active Control of weeds as part of the MNP's overall weed control strategy.
MNP-07	For emergency work, Active Control requirements and Containment procedures are not required. Vehicles and equipment will be cleaned prior to egressing Containment areas to the extent possible without compromising the immediate need to repair emergency conditions. Follow up surveys and/or weed control may be necessary depending on the extent of ground disturbance and locations of emergency work.
MNP-08	For routine operation and maintenance activities without ground and/or vegetation disturbance and for which vehicles stay on existing access roads (e.g., routine patrols, inspections, etc.), Active Control requirements and Containment procedures are not required.
MNP-09	For routine operation and maintenance activities with ground and or/vegetation disturbance within the existing ROW (e.g., road maintenance, pole replacements, etc.): a. Containment procedures (see Condition 5) shall be implemented for activities within Containment areas. b. Active Control measures are not required for the above-named activities within Active Control areas. Containment procedures will be applied to Active Control areas.
MNP-10	Excluding emergency and routine operations and maintenance activities, for pre-planned work activities with ground and/or vegetation disturbance activities in areas designated as requiring Active Control or Containment measures: a. Containment procedures (see Condition 5) shall be implemented for activities within Containment areas. b. Active Control measures (see Condition 6) shall be implemented for activities within Active Control areas.

Table 1 Mitigation Measure Addressed	
Measure[a]	**Description**
ITP 8.1	Permittee shall prepare and implement an Integrated Weed Management Plan (IWMP) to prevent the introduction and spread of weeds during the construction and revegetation phases of the Project. The IWMP shall provide an inventory of existing weed species within and adjacent to the Project footprint; evaluate the Project's potential to introduce or spread weeds; identify specific prevention and treatment strategies; and propose a monitoring, treatment, and reporting schedule. The IWMP shall be provided to CDFW for review no fewer than 30 days prior to the initiation of Project activities.
NOTE: Measures MNP-1 through MNP-10 are from the "SCE Right-of-way Weeds in Mojave National Preserve – Status and Guidance 2018" cited in NPS BR-6.	

2 BACKGROUND INFORMATION

2.1 Definitions for Noxious Weeds and Invasive Plants

The CPUC MM BR-5, requiring development of this Plan, includes the following definition: "For the purpose of the IWMP, "weeds" shall include designated noxious weeds, as well as any other non-native weeds or pest plants identified on the weed lists of the California Department of Food and Agriculture, the California Invasive Plant Council, or identified by BLM as special concern."

The following definitions provide a brief summary of several similar and related terms used in this Plan:

- **Weed** – a plant that is considered undesirable in a given location. Used in this document to collectively refer to all species addressed by the Plan.
- **Noxious weed** – a legal status applied by federal or state agencies to a plant species that may be injurious to agriculture, land use, or land-management objectives; noxious weed policies vary and may or may not require treatment or quarantine.
- **Invasive plant** – a plant, generally but not always non-native, that is capable of spreading beyond its natural range or environmental setting, often in response to disturbance or changing conditions.

The State of California, State of Nevada, and the U.S. Department of Agriculture (USDA) all maintain separate lists of noxious weeds, although those lists overlap for many species. Additionally, agencies such as the BLM maintain lists of invasive plants that are not designated as noxious but may be of management concern. This Plan addresses noxious weeds and some other invasive plant species as required by the policies of all authorizing agencies, as well as by Project-specific mitigation measures. This Plan does not comprehensively address all species of invasive plants. Invasive plant species present in the Project area but not included in the definition of "weeds" from CPUC MM BR-5 are often ubiquitous with no feasible treatment methods, and the Project would not appreciably change conditions related to those species.

Because the various state and federal agencies may use differing common names for weeds, this Plan generally uses standard names as provided in the USDA PLANTS database (https://plants.sc.egov.usda.gov/java/).

2.2 Relevant Laws, Guidelines, and Policies

2.2.1 Federal

The USDA maintains the official federal list of noxious weeds (7 CFR 360.200; USDA 2011). In addition to the federal list, the CDFA maintains the list of official noxious weeds requiring control under the Noxious Weed Act of 1989 (CDFA 2010). The official weed list was last updated in the California Code of Regulations (CCR) (3 CCR 4500) in 2015.

The term "noxious weed" is defined by the USDA under the Federal Plant Protection Act (7 U.S.C. 7701 et seq.) as: "any plant or plant product that can directly or indirectly injure or cause damage to crops (including nursery stock or plant products); livestock, poultry, or other interests of agriculture; irrigation; navigation; the natural resources of the U.S.; the public health; or the environment."

The BLM recognizes noxious weeds as a legal designation that can be made by state or federal agencies, with definitions that may vary by jurisdiction. The BLM also defines an invasive plant as "a plant that interferes with management objectives for a given area of land at a given point in time." The BLM Manual 9015 (Integrated Weed Management) provides methods for weed control on BLM lands.

2.2.2 California

In California, the CDFA defines noxious weeds under the Noxious Weed Act of 1989 (pursuant to CDFA 3 CCR § 4500) as "any species of plant that is, or is liable to be, troublesome, aggressive, intrusive, detrimental, or destructive to agriculture, silviculture, or important native species, and difficult to control or eradicate, which the director, by regulation, designates to be a noxious weed. In determining whether or not a species shall be designated a noxious weed for the purposes of protecting silviculture or important native plant species, the director shall not make that designation if the designation will be detrimental to agriculture." The CDFA also designates ratings for weeds and other pests. These ratings are based on the impacts of the pest to agriculture within California.

- **A** – An organism of known economic importance subject to state (or commissioner when acting as a state agent) enforced action involving eradication, quarantine regulation, containment, rejection, or other holding action.
- **B** – An organism of known economic importance subject to eradication, containment, control or other holding action at the discretion of the individual county agricultural commissioner, or an organism of known economic importance subject to state endorsed holding action and eradication only when found in a nursery.
- **C** – An organism subject to no state enforced action outside of nurseries except to retard spread at the discretion of the county agricultural commissioner, or an organism subject to no state enforced action except to provide for pest cleanliness in nurseries.
- **Q** – An organism or disorder requiring a temporary "A" action pending determination of a permanent rating. The organism is suspected to be of economic importance, but its status is uncertain because of incomplete identification or inadequate information. In the case of an established infestation, at the discretion of the Director, the Department may conduct surveys and may convene the Division Pest Study Team to determine a permanent rating.

The Cal-IPC maintains a rating for risk of spread and consequence of spread for noxious weeds that is based on the best available published literature and knowledge of invasive plant experts from California. Although the Cal-IPC rating does not carry a legal requirement similar to designation as a noxious weed, the rating categories are used to complete risk assessments and determine the appropriate response for infestations.

- **High** – These species have severe ecological impacts on physical processes, plant and animal communities, and vegetation structure. Their reproductive biology and other attributes are conducive to moderate to high rates of dispersal and establishment. Most are widely distributed ecologically.
- **Moderate** – These species have substantial and apparent—but generally not severe—ecological impacts on physical processes, plant and animal communities, and vegetation structure. Their reproductive biology and other attributes are conducive to moderate to high rates of dispersal,

though establishment is generally dependent upon ecological disturbance. Ecological amplitude and distribution may range from limited to widespread.

- **Limited** – These species are invasive, but their ecological impacts are minor on a statewide level, or there was not enough information to justify a higher score. Their reproductive biology and other attributes result in low to moderate rates of invasiveness. Ecological amplitude and distribution are generally limited, but these species may be locally persistent and problematic.

2.2.3 Nevada

The State of Nevada maintains an official list of weed species that are designated noxious for the state. The Nevada Control of Insects, Pests, and Noxious Weeds Act (Nevada Revised Statutes: Chapter 555) grants the Director of the NDA the authority to investigate and control noxious plants. The State of Nevada has officially designated 47 weed species as noxious. The following is an explanation of the categories established for noxious weeds by the NDA.

2.2.3.1 Category A:

- Weeds not found or limited in distribution throughout the state
- Actively excluded from the state and actively eradicated wherever found
- Actively eradicated from nursery premises
- Control required by the state in all infestations

2.2.3.2 Category B:

- Weeds established in scattered populations in some counties of the state
- Actively excluded where possible
- Actively eradicated from nursery premises
- Control required by the state in areas where populations are not well-established or previously unknown to occur

2.2.3.3 Category C:

- Weeds currently established and generally widespread in many counties of the state
- Actively eradicated from nursery premises
- Abatement at the discretion of the State Quarantine Officer

The USDA, CDFA, CAL-IPC, and NDA lists were consulted to assemble a combined list of targeted weeds that may occur within the Project area, based on known records from public sources. Appendix B provides a list of weed species with records from San Bernardino County, California, and Clark County, Nevada, and their status as listed by the USDA, CDFA, CAL-IPC, and NDA.

2.3 Weed Inventory

Prior to the initiation of construction activities, an inventory of noxious weeds and invasive plants collectively referred to as “weeds” in this Plan as discussed in Section 2.2 was completed across the Project area and a buffer of 150 feet around each individual Project feature (Appendix A). However, any Project features separated by less than 600 feet (i.e., a buffer of 300 feet around each Project feature) were combined into a single survey polygon for the purposes of mapping individual infestations and

considering treatment or containment. After completion of the inventory, risk ratings for Weed Zones were completed and are provided in Appendix A.

Section 3.2 discusses the approach for treatments identified on private and BLM lands in the Project area prior to construction (i.e., the baseline conditions). The NPS has provided preliminary inventory results and related mitigation as conditions of a Special Use Permit within the MNP (NPS 2018; Appendix C), which includes required areas for active control and containment of weed infestations along SCE's existing ROW. Active control and containment will be implemented according to conditions provided by the NPS in Appendix C. Appendix C also provides summary information from the 2020 Project-wide inventory.

SCE, the BLM, and the NPS recognize that there are species, such as Red Brome (*Bromus madritensis* var. *rubens*) and Mediterranean Grass (collectively, *Schismus barbatus* and *S. arabicus*), that have such a widespread distribution that general control of these species is not considered feasible, and meaningful control of such ubiquitous species is beyond the scope of the Project and this Plan. SCE's objective is to prevent or control the further spread of weeds as related to SCE projects. Repeated control measures on a project ROW and any ancillary Project areas are generally not considered feasible where weed species are already established and abundant in the adjacent undisturbed areas. Appendix B provides preliminary species-specific objectives for each species of weed. However, these objectives are guidelines, and site-specific treatment determinations will be based on the risk assessment rating, as described in the IWMP.

- **Surveillance** – Generally appropriate for ubiquitous weeds that cannot be feasibly treated. Project activities will be conducted in a manner that is not anticipated to worsen or spread infestations of these species.
- **Containment** – Generally appropriate for species that may be present in infestations prior to Project construction and are too widespread for feasible eradication. Measures will be implemented to ensure that Project activities do not worsen or spread infestations of these species.
- **Eradication** – Generally appropriate for species that are likely to be present in discrete infestations that can feasibly be fully eradicated.

2.4 Risk Assessment

In consultation with the BLM, a BLM Risk Assessment Process and Evaluation (BLM Risk Assessment) was determined necessary to maintain compliance with the BLM 9015 Manual. The BLM Risk Assessment process includes the CDFA priority classification and the Cal-IPC ratings.

2.4.1 Project-Specific Risk Assessment Rating

The Project will use the BLM risk ratings to assess the likelihood of weed species spreading to the Project area (Factor 1) and the consequences of weed establishment in the Project area (Factor 2) based on a low, moderate, or high rating after the implementation of the weed preventative and control measures. A final Risk Rating and Action (RRA) score is obtained by multiplying the likelihood (Factor 1) score by the consequence (Factor 2) score. These risk ratings will be applied to each Weed Zone and to discrete infestations outside Weed Zones identified during preconstruction surveys.

2.4.1.1 Factor 1 – Likelihood of Weed Species Spreading to Project Area:

- **None (0)** –Weed species not located within or adjacent to the Project area. Project activity is not likely to result in the establishment of weed species in the Project area.
- **Low (1)** – Weed species present in areas adjacent to but not within the Project area, or weed species are present but not susceptible to Project-related spread. Project activities can be implemented and prevent the spread of weeds into the Project area.
- **Moderate (5)** – Weed species located immediately adjacent to or within the Project area. Project activities are likely to result in some areas becoming infested with weed species even when preventative management actions are followed. Control measures are essential to prevent the spread of weeds within the Project area.
- **High (10)** – Heavy infestations of weeds are located within or immediately adjacent to the Project area. Project activities, even with preventative management actions, are likely to result in the establishment and spread of weeds on disturbed sites throughout much of the Project area.

2.4.1.2 Factor 2 – Consequence of Weed Establishment in Project Area:

- **Low to Nonexistent (1)** – None. No cumulative effects expected.
- **Moderate (5)** – Possible adverse effects onsite and possible expansion of infestation within the Project area. Cumulative effects on native plant community are likely but limited.
- **High (10)** – Obvious adverse effects within the Project area and probable expansion of weed infestations to areas outside the Project area. Adverse cumulative effects on native plant community are probable.

A summary of the Risk Assessment Analysis for target species identified within the Project area during the 2020 weed inventory is included in Table 2. If additional weed species are identified during construction or restoration, additional risk assessments would be completed as needed.

Table 2 Risk Assessment for Weed Species in the Project Area

Common Name	*Scientific Name*	CAL-IPC Status	Noxious Weed Status	Bureau of Land Management Risk Rating (Factor 1/ Factor 2	Final Risk Rating and Action
Slender Oat	*Avena barbata*	Moderate		Moderate/Moderate	Moderate
Wild Oats	*Avena fatua*	Moderate		Moderate/Moderate	Moderate
Asian Mustard	*Brassica tournefortii*	High	B (NV)	Moderate/High	High
Red Brome	*Bromus madritensis* ssp. *rubens*	High		Moderate/Moderate	Moderate
Cheatgrass	*Bromus tectorum*	High		Moderate/Moderate	Moderate
Redstem Stork's Bill	*Erodium cicutarium*	Limited		Moderate/Moderate	Moderate
Short-Pod Mustard	*Hirschfeldia incana*	Moderate		Moderate/Moderate	Moderate
Seaside Barley	*Hordeum marinum*	Moderate		Moderate/Moderate	Moderate
Mouse Barley	*Hordeum murinum*	Moderate		Moderate/Moderate	Moderate
Russian Thistle	*Salsola tragus*	Limited	C (CA)	Moderate/Moderate	Moderate

Table 2 Risk Assessment for Weed Species in the Project Area					
Common Name	***Scientific Name***	**CAL-IPC Status**	**Noxious Weed Status**	**Bureau of Land Management Risk Rating (Factor 1/ Factor 2**	**Final Risk Rating and Action**
Mediterranean Grass	*Schismus* sp.	Limited		Moderate/Moderate	Moderate
London Rocket	*Sisymbrium irio*	Limited		Moderate/Moderate	Moderate
Saltcedar	*Tamarix ramosissima*	High	B (CA), C (NV)	Low/Low	Low

2.5 Identification of Problem Areas and Weed Zones

Baseline surveys were conducted to identify and record weed species within 150 feet of all Project features, including temporary work areas. These surveys were conducted in March and April 2020, prior to receiving authorization to begin work on the Project.

Once the surveys were completed, the distribution and frequency of weed infestations across the Project area were reviewed. The majority of weed infestations recorded in the Project area were ubiquitous species present throughout the region. As described in Section 2.3, eradication is not considered to be a feasible goal for ubiquitous species and infestations that occur beyond the Project ROW and associated access. However, containment can be an appropriate objective for some of these species.

In general, most species were determined to either be untreatable, or require containment measures. Few weed infestations are likely to warrant active treatment, as nearly all species are already widespread in and around the Project area. However, mechanical treatment according to Section 3.3.1 will be implemented prior to construction in a given location, if feasible and effective.

Weed Zones were selected based the inventory results and administrative boundaries, as well as on accessible entry points to segments of the Project ROW and the presence of Project features such as yards that can support inspection and cleaning stations (described further in Section 3.2.2). Six primary Weed Zones were defined. Weed Zone 4, the MNP in its entirety, is anticipated to have several subzones within it based on the NPS agreement (Appendix C).

Figure 1 shows Weed Zones, bounded by the following Project features:

- Weed Zone 1: Lugo Substation to Barstow Road Yard
- Weed Zone 2: Barstow Road Yard to Newberry Springs Series Capacitor
- Weed Zone 3: Newberry Springs Series Capacitor Station to Mojave National Preserve western boundary
- Weed Zone 4: Mojave National Preserve
- Weed Zone 5: Mojave National Preserve eastern boundary to Mohave Substation
- Weed Zone 6: Mohave Substation to Eldorado Substation

Appendix A lists and maps weed infestations found in each Weed Zone and provides a risk assessment for species found in each Weed Zone. Table 3 also lists the weed species found in each Weed Zone.

Table 3 Risk Assessment for Weed Species in the Project Area by Zones							
Common Name	**Scientific Name**	**Zone 1**	**Zone 2**	**Zone 3**	**Zone 4**	**Zone 5**	**Zone 6**
Slender Oat	*Avena barbata*	●					
Wild Oats	*Avena fatua*						●
Asian Mustard	*Brassica tournefortii*	●	●	●	●	●	●
Red Brome	*Bromus madritensis ssp.rubens*	●	●	●	●	●	●
Cheatgrass	*Bromus tectorum*	●	●		●		●
Redstem Stork's Bill	*Erodium cicutarium*	●	●	●	●	●	●
Short-Pod Mustard	*Hirschfeldia incana*	●					●
Seaside Barley	*Hordeum marinum*	●					
Mouse Barley	*Hordeum murinum*	●					
Russian Thistle	*Salsola tragus*	●					
Mediterranean Grass	*Schismus* sp.	●	●	●	●	●	●
London Rocket	*Sisymbrium irio*	●	●	●	●	●	
Saltcedar	*Tamarix ramosissima*				●		

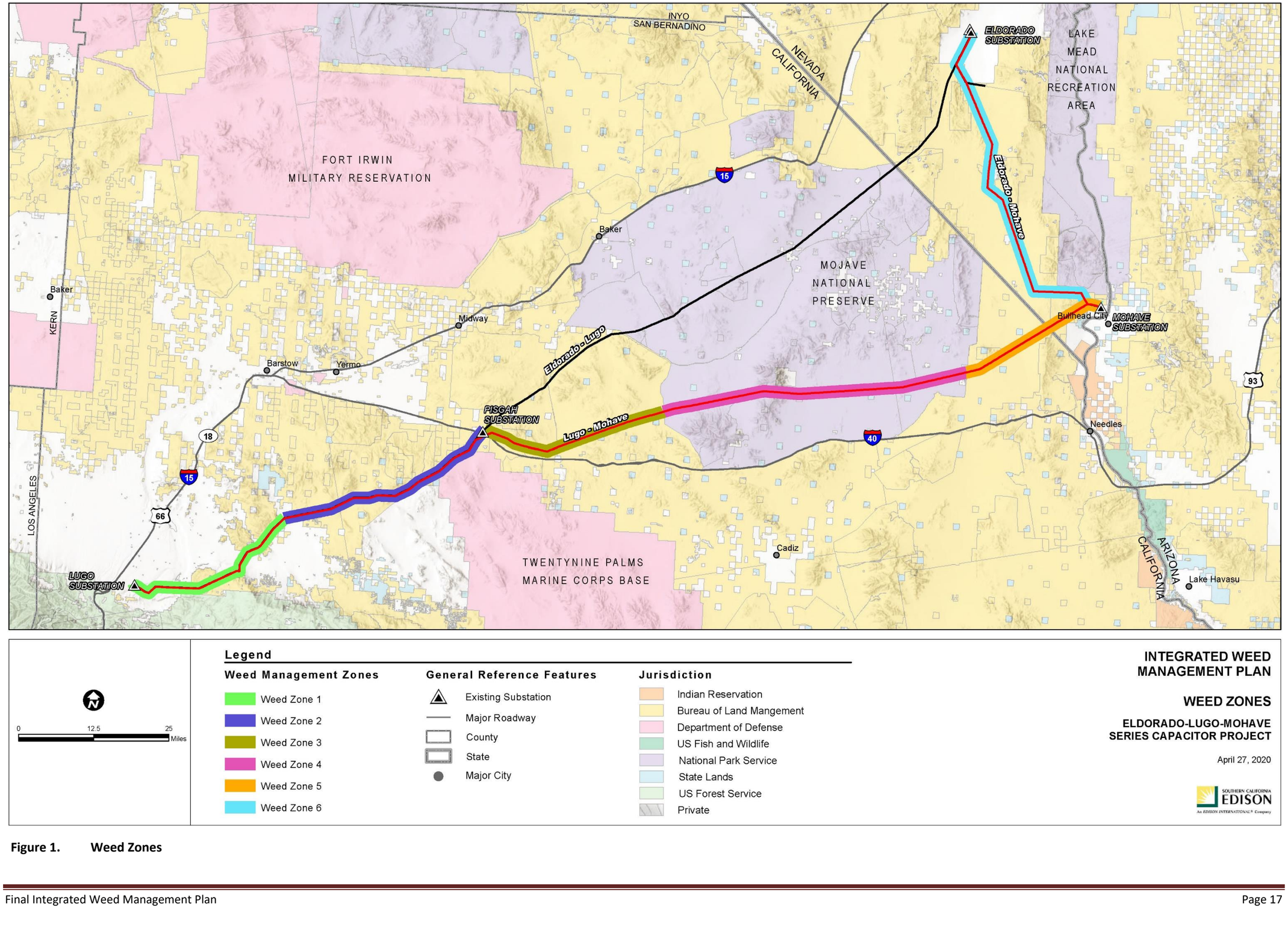


Figure 1. Weed Zones

This page intentionally left blank.

3 IMPLEMENTING WEED CONTROL

Methods for weed control will comply with all other final mitigation measures required or committed to for the Project.

3.1 Update Weed Mapping (as needed)

Project-wide weed mapping data will be updated at least annually during construction and restoration of the Project. Implementation of measures to control or manage weed populations begins with determining where weed populations occur in the Project area. Therefore, mapping of the weed populations in the Project area must be up to date. The weed inventory described in Section 2.3 was completed to provide updated weed mapping at the beginning of the Project's construction phase in 2020. Project impact areas will be resurveyed annually as needed during construction for target weeds and survey results used to refine the baseline inventory and mapping. Bi-annual surveys during the restoration and revegetation phase will identify weed infestations after the completion of Project construction, concurrent with monitoring surveys conducted under the HRRP. The HRRP provides a comprehensive description of surveys required for restoration and revegetation. Those surveys will include a brief overview visit to each Project feature to determine whether any vegetation or erosion issues require further treatment, including the presence of new weed infestations.

3.2 Preventive Measures

Two important goals of this Plan are to prevent spreading weeds into areas not already infested and to prevent material from the area containing weeds to be spread to non-infested sites, both on the Project site and elsewhere. To accomplish these goals, weed control efforts will be implemented during all three Project phases: (1) preconstruction; (2) during construction; and (3) restoration. The scope of weed treatment activities associated with these three phases is described below.

3.2.1 Preconstruction

Impact Minimization. The Project has been designed to minimize disturbance of native vegetation to the extent possible. During construction, efforts will be made to further minimize disturbance. In doing so, exposure of equipment to weeds and weed seeds may be limited.

Planning. Prior to construction, it is recommended that treatment methods be considered and selected to suppress target weed populations where these occur within areas that will be directly affected during construction. Treatment effectiveness frequently depends on appropriate timing of application so that control efforts coincide with active growth of the target weeds but before specimens become large or set seed.

Treatments. Prior to the initial start of the Project and prior to the start of ground-disturbing activities in any given work area during the construction phase of the Project, treatment methodologies will be determined following the process identified in Section 3. However, the primary focus for most weed species during preconstruction planning and during the construction phase will be on containment methods, as most weed infestations present in the Project area extend beyond the Project area and cannot be feasibly treated (Appendix A).

3.2.2 During Construction

Worker Environmental Awareness Program. Prior to the initiation of any ground-disturbing activities and prior to any individuals beginning work on the Project, Project personnel will be required to attend a Worker Environmental Awareness Program (WEAP) training which, among other objectives, will serve to inform the workers of their responsibilities with regard to the Mitigation Measures, permit conditions, and other project requirements, including methods in the Plans such as the responsibility to wash vehicles and equipment. Ongoing tailboard meetings (I.e., meetings held prior to the start of week each day) will give biological monitors and other Project personnel an opportunity to remind the construction crews of these responsibilities and to detail specific site conditions, if needed.

Other Measures. A list of potentially effective preventive measures to be implemented during construction is provided below. In general, such measures are intended to control the spread of weeds during project construction when soil-disturbing activities can introduce new weed seed and result in proliferation of new infestations. If weeds are observed in new areas after construction commences, appropriate control measures will be implemented to reduce the spread or proliferation of weeds.

During construction, the following measures will be implemented, as applicable and feasible, to prevent the spread of weeds:

- Construction vehicles and equipment will be cleaned prior to arrival at the work site. Offsite wash stations will be used when available. Monitoring personnel, with construction inspector oversight, will ensure vehicles and equipment are free of soil and debris capable of transporting weed seeds, roots, or rhizomes before the vehicles and equipment are allowed use of access roads. The vehicle inspection process will include ensuring the axles, frame, cross members, motor mounts, underneath steps, running boards, and front bumper/brush guard assemblies are free of mud and plant parts.
- Tools associated with ground-disturbing activities or vegetation trimming and removal activities will be cleaned prior to use in areas containing natural vegetation and on any BLM and NPS lands. Such areas will be identified in preconstruction surveys as mentioned in Section 2.3. Chainsaws and other tools and equipment will be cleaned with compressed air, water, cloth, and/or wire brush as appropriate.
- Likewise, after conducting work with tools involving ground disturbing activities or vegetation trimming and removal activities in areas infested with weeds, tools must be cleaned before they are removed from the infested area.
- For construction activities occurring during the appropriate season for weed treatment, small, discrete weed infestations within Project features will be treated, if feasible, as described in Sections 3.3 and 3.4.
- If equipment is working in areas containing weeds on site, equipment and vehicles should be cleaned with compressed air or washed to remove seeds, roots, and rhizomes from equipment before transport off the site. Cleaning sites will be recorded using a GPS unit. Equipment and vehicle cleaning information will be recorded by the biological monitors in wash logs.
- Discrete portions of the Project with widespread weed infestations, or infestations within several nearby disturbance areas, will be considered Weed Zones. Cleaning sites will be located to allow cleaning of all vehicles and equipment entering (if not already clean) or leaving each Weed Zone.

- Straw or hay bales used for sediment barrier installations or mulch distribution will be certified "weed free" by the supplier and/or obtained from state-approved sources.
- Ground disturbance to vegetation will be limited to the minimum necessary to perform the activity safely and as designed. Activities that will create soil conditions that promote weed germination and establishment will be avoided whenever possible.
- Any imported fill material (soil, gravel, etc.) will be certified "weed-free" by the supplier and/or obtained from state-approved sources.

Prior to the initiation of construction activities, all construction personnel will be instructed on the importance of controlling weeds as part of the WEAP.

Cleaning Stations. Consistent with CPUC MM BR-5, off-site cleaning stations will be used whenever feasible, allowing vehicles to arrive at Project sites free of weed propagules. However, vehicle inspections will be required prior to entry into the Project area and before movement between weed zones. In most cases, inspections and cleaning (if any is needed) will be conducted at the following locations:

- Lugo Substation (Weed Zone 1)
- Barstow Road Yard (Weed Zones 1, 2)
- Newberry Springs (or Ludlow as alternate) Series Capacitor Yard (Weed Zones 2, 3)
- Appendix C notes requirements for weed zones within the MNP (Weed Zone 4).
- Mohave Substation Yard (Weed Zones 5, 6)
- South Eldorado Substation Yard (Weed Zone 6)

3.2.3 Restoration and Revegetation

The Project also entails habitat restoration or revegetation after the completion of construction activities, which contributes to weed management. The HRRP has been prepared to describe where restoration versus revegetation is the appropriate strategy, and how successful restoration and revegetation will be accomplished and assessed after the completion of construction activities. If necessary, weed treatments would be implemented consistent with this Plan in areas subject to restoration and revegetation.

3.3 Weed Control - Treatment Methods

Weed control measures will be implemented in accordance with existing BLM regulations by SCE and its contractors. Control measures may include various treatment methods and considerations. Physical removal and chemical control of weedy species will be employed as required and are described below. Biological control methods are not prescribed under this Plan but may be considered and implemented if determined to be safe and approved by the BLM or other authorizing agencies. Treatment methods will be based on species-specific and area-specific conditions. Treatments on NPS lands are proposed to be conducted by NPS, as presented in Appendix C.

3.3.1 Physical Control

Physical removal of weeds is employed for localized, discrete weed control. Typically, physical control methods will uproot, girdle, or cut plants through manual hand-pulling or use of power tools. Several

types of physical removal techniques are recommended, including hand-pulling, lever arms, weed whipping, hoeing, and mowing.

Hand-pulling should be focused on discrete populations of weed species that have a single-root mass. Hand-pulling is particularly effective to remove annual species after germination and prior to seed set, when the stems are not as easily broken so that root mass is left behind. Broken root pieces and other fragments of many weedy species are able to re-sprout and recolonize cleared areas. Hand-pulling is less effective in large areas and with weed species that spread through an underground root system (for example, tamarisk).

The Weed Wrench (shown below) and Root Jack are types of lever arm devices that secure stems. They are readily procured and can be used to pull out and remove small woody shrubs.

Hoeing and weed whipping may be used to control herbaceous weeds in limited discrete areas before seed has set. Care must be taken not to damage adjacent native plants. Hoeing and weed whipping is most effective on small weeds with single root masses. Larger weeds are more likely to regenerate from cut roots. Cut plant material should be bagged and removed to prevent re-sprout and seed maturation as follows:

- Cover all loads while removing vegetation using a tarpaulin. Caution must be taken to contain all plant stem and root fragments as they may recolonize cleared areas and can invade new areas if not disposed of properly.
- Avoid contact with established native shrub and grass species.
- Temporarily discontinue weed abatement work in the event of rainfall.

3.3.2 Chemical Control

Herbicide applications are widely used to control or eradicate infestations of weed species. Herbicides may be used selectively to control discrete but significant infestations where manual and mechanical control methods are deemed ineffective.

Herbicide application may be needed for the Project. Based on the results of the 2020 weed inventory (Appendix A), no locations requiring herbicides were identified for treatment prior to construction. However, conditions during the restoration and revegetation phase cannot be predicted, and this IWMP considers that herbicide use will remain an option during that phase if needed. If weed infestations are encountered that would be most effectively treated with herbicides, herbicide use would only proceed under authorization from the appropriate land-management agency. Any herbicide application that occurs will be conducted per the *BLM 2007 Vegetation Treatments Using Herbicides on the Bureau of Land Management Lands in 17 Western States Final Programmatic Environmental Impact Statement* (PEIS), *2016 National Vegetation Treatments Using Aminopyralid, Fluroxypyr, and Rimsulfuron Final PEIS*. Prior to beginning the restoration and revegetation phase when herbicide use becomes more likely, SCE will coordinate with the BLM to go through the necessary regulatory procedure to establish a Pesticide Use Proposal prior to herbicide use on the Project.

If additional herbicides not addressed in the BLM's PEIS (e.g., fluazifop-P-butyl [Fusilade II/DX]) are proposed for use on the Project, additional NEPA analysis may be required. SCE would determine Project-specific NEPA requirements with the appropriate permitting agencies once a potential location and need for additional herbicide use is identified and proposed.

Where herbicides are applied, all treated areas must be identified and mapped to record treatment type and extent and to allow future monitors to compare or verify treatment effectiveness.

Before application of herbicide, contractors must demonstrate they possess any required permits from state and local authorities. All herbicides will be applied in accordance with applicable laws, regulations, and permit stipulations. Only herbicides and adjuvants approved by the BLM or NPS for use on public lands under their respective management will be used within or adjacent to the Project site.

Table 4 provides a list of herbicides that could potentially be used, if warranted, during restoration and revegetation. Table 4 also lists species present in SCE's overall service area that can be effectively treated by these herbicides. The majority of these species have not been recorded in the Project area but are listed to provide examples of potential treatments in the event new infestations occur.

Table 4 Examples of Weed Species and Appropriate Herbicides			
Herbicide	**Use**	**Common Name**	**Scientific Name**
Clopyralid (Transline)	Upland	Artichoke Thistle	*Cynara cardunculus*
		Blessed Thistle	*Cnicus benedictus*
		Bull Thistle	*Cirsium vulgare*
		Canada Thistle	*Cirsium arvense*
		Italian Thistle	*Carduus pycnocephalus*
		Milk Thistle	*Silybum marianum*
		Russian Thistle	*Salsola tragus*
		Spotted Knapweed	*Centaurea maculosa*
		Tocalote	*Centaurea melitensis*
		Yellow Star Thistle	*Centaurea solstitialis*
Glyphosate (Roundup Pro)	Upland	Artichoke Thistle	*Cynara cardunculus*
		Castorbean	*Ricinus communis*
		Fountain Grass	*Pennisetum setaceum*
		Horehound	*Marrubium vulgare*
		Italian Thistle	*Carduus pycnocephalus*
		Milk Thistle	*Silybum marianum*
		Rosemary	*Rosemarinus officianalis*
		Russian Thistle	*Salsola tragus*
		Shortpod Mustard	*Hirschfeldia incana*
		Smilo Grass	*Piptatherum miliaceum*
		Tocalote	*Centaurea melitensis*
		Wooly Mullein	*Verbascum thapsus*
		Yellow Star Thistle	*Centaurea solstitialis*
		Blessed Thistle	*Cnicus benedictus*
Pathfinder II	Upland	English Ivy	*Hedera helix*
		Fennel	*Foeniculum vulgare*
		Fig	*Ficus carica*
		Horehound	*Marrubium vulgare*
		Locust	*Robinia neomexicana pseudoacacia*
		Mexican Fan Palm	*Washingtonia robusta*
		Peruvian Pepper Tree	*Schinus molle*
		Rockrose	*Cistus creticus*
		Spanish Broom	*Spartium junceum*
		Tasmanian Blue Gum	*Eucalyptus globulus*
		Tree Spurge	*Euphorbia dendroides*
		Tree Tobacco	*Nicotiana glauca*
Rodeo/Aquamaster	Near Water	Castorbean	*Ricinus communis*
		Fountain Grass	*Pennisetum setaceum*
		Giant Reed Grass	*Arundo donax*
		Italian Thistle	*Carduus pycnocephalus*
		Periwinkle	*Vinca major*
		Rosemary	*Rosemarinus officianalis*
		Smilo Grass	*Piptatherum miliaceum*
		Sweetclover	*Melilotus indicus/officinalis/alba*
		Throughwort, Eupatory	*Ageratina adenophora*

Table 4 Examples of Weed Species and Appropriate Herbicides			
Herbicide	**Use**	**Common Name**	**Scientific Name**
Triclopyr (Garlon 3A)	Near Water	English Ivy	*Hedera helix*
		Fennel	*Foeniculum vulgare*
		Fig	*Ficus carica*
		Giant Reed Grass	*Arundo donax*
		Himalayan Blackberry	*Rubus discolor*
		Horehound	*Marrubium vulgare*
		Locust	*Robinia neomexicana/ pseudoacacia*
		Mexican Fan Palm	*Washingtonia robusta*
		Peruvian Pepper Tree	*Schinus molle*
		Rockrose	*Cistus creticus*
		Scotch Broom	*Cytisus scoparius*
		Spanish Broom	*Spartium junceum*
		Tasmanian Blue Gum	*Eucalyptus globulus*
		Throughwort, Eupatory	*Ageratina adenophora*
		Tree Spurge	*Euphorbia dendroides*
		Tree Tobacco	*Nicotiana glauca*
Triclopyr (Garlon 4)	Upland	English Ivy	*Hedera helix*
		Fennel	*Foeniculum vulgare*
		Fig	*Ficus carica*
		Horehound	*Marrubium vulgare*
		Locust	*Robinia neomexicana/ pseudoacacia*
		Mexican Fan Palm	*Washingtonia robusta*
		Peruvian Pepper Tree	*Schinus molle*
		Rockrose	*Cistus creticus*
		Spanish Broom	*Spartium junceum*
		Tasmanian Blue Gum	*Eucalyptus globulus*
		Tree Spurge	*Euphorbia dendroides*
		Tree Tobacco	*Nicotiana glauca*

3.4 Weed Control – Application of Treatment Methods

For the purposes of this Plan, weed control methods have been organized into three categories: manual removal, mechanical removal, and herbicide application. These methods are described in Table 5. Weed control should be based on the weed species, location of weeds, and the time of year that weed control operations occur and may include more than one treatment method. Some treatment methods—such as flooding, steaming, soil solarization, and biological control—were not included because these methods were not practical to implement at this scale or appropriate for the particular area.

Table 5 Weed Treatment Methods			
Control Method	**Description**	**Appropriate Target**	**Key Considerations**
Manual Removal			
Pulling	Removing the plant from the ground by hand or using hand tools (e.g., weeder, pliers, pry bar, Weed Wrench)	Taprooted and shallow rooted plants (annuals and some perennials) unable to re-sprout from roots or other vegetative organs	Plants need to be large enough to be grasped, and soils should be damp or loose enough to release roots. Labor-intensive, may need to be repeated. Minimal disturbance.
Hoeing	Scraping seedlings at the soil line or cutting off small plants just below the ground surface	Annual and perennial plants (seedlings and small plants) unable to re-sprout from roots or other vegetative organs	Applicable for seedlings and small plants. Labor-intensive, may need to be repeated. Moderate disturbance.
Digging	Removing a plant from the ground using trowels, spades, picks, or other tools to loosen the plant's roots from the soil; often combined with pulling.	Taprooted and shallow rooted plants (annuals and some perennials) unable to re-sprout from roots or other vegetative organs	Labor-intensive, may need to be repeated. Moderate disturbance.
Mechanical Removal			
Trimming/Brush Cutting	Using handheld string trimmers or other motorized tools to cut off plants at the ground surface	Effective on plants less than 2 inches in stem diameter	Conduct during the bolting/budding stage of target plants, before seed development. Labor-intensive. Can also affect interspersed native individuals.
Herbicide Application (none proposed at this time)			
Foliar Treatment	Applying herbicide to the leaves of plants using a spray bottle or backpack applicator (spot application); by wiping using a hand, trail, or vehicle mounted wick	Low-growing annual and perennial plants, shrubs, and saplings where little non-target vegetation exists	Apply when plants are actively growing, and after full leaf expansion. Requires complete coverage to be effective. Ineffective on plants with waxy cuticles. May require several applications. Overspray/wind drift may affect adjacent desirable plants. Spot spraying and hand wicking are labor-intensive.
Basal Bark	Applying herbicide in a band encircling the base of the trunk	Woody vines, shrubs, and trees	Can be conducted at any time of year. Little chance of impacting adjacent desirable plants. Labor-intensive.

Table 5 Weed Treatment Methods			
Control Method	**Description**	**Appropriate Target**	**Key Considerations**
Hack and Squirt	Cutting the bark using an axe, or similar tool, at selected points around the base of the stem/trunk; cuts should angle downward, be less than 1 inch apart, and extend into the sapwood; apply herbicide to each cut.	Woody vines, shrubs, and trees	Can be conducted at any time of year. Little chance of impacting adjacent desirable plants. Labor-intensive.
Cut Stump	Painting herbicide on the stump immediately after a tree or shrub has been cut; must be applied within 5 minutes of being cut	Woody vines, shrubs, and trees	Delayed treatment may reduce effectiveness. Labor-intensive.

4 MONITORING AND REPORTING

SCE will conduct monitoring of weed infestations and effectiveness of control measures in conjunction with biological monitoring of construction and monitoring during the restoration and revegetation phase of areas in the Project's HRRP.

4.1 Monitoring Schedule and Methods

Monitoring will begin 1 year after treatment of weeds has been conducted, whether during the preconstruction or restoration and revegetation phase, and will continue until success criteria (Section 4.3) are met.

Monitoring will be conducted at all sites impacted by construction (tower pads, staging areas, landing zones, etc.), including access/spur roads disturbed during project construction. During project construction, monitoring will be the responsibility of the Construction Contractor. After completion of project construction, monitoring will be the responsibility of the Restoration Contractor. All monitoring activities will be conducted by qualified biologists or ecologists.

Monitoring will consist of a qualitative evaluation of treatment success and will focus on identifying the location, extent, and species composition of any new or repeated infestations. Visual surveys will be performed by walking over the entire acreage of disturbance areas including towers, landing zones, assembly yards, pull sites, and spur roads. Visual surveys will be performed while driving and by stopping at intervals to view all affected or treated areas and access roads (excluding all state highways and county roads if applicable) utilized by the Project.

All areas treated during preconstruction weed eradication efforts will be monitored by walking each site. Occurrences of new infestations of weed species will be documented and mapped using GPS. Photographs will be taken when appropriate.

4.2 Success Criteria

Success of weed control treatments will be based on the following recommendation by the CPUC from MM BR-5:

- Weed infestations shall be treated at a minimum of once annually until eradication, suppression, or containment goals are met. For eradication, when no new seedlings or resprouts are observed for three consecutive, normal rainfall years, OR for five consecutive years regardless of rainfall, the weed occurrence can be considered eradicated and weed control efforts may cease for the site.

4.3 Reporting

Areas containing or being treated for weed infestations will be identified, mapped, and referenced in an annual report. The annual report will include specific maps identifying treatment areas and will provide a qualitative analysis and photo documentation for treatment areas. A report describing weed infestations and control efforts implemented and their effectiveness, as verified by surveying previously treated areas, will be submitted annually. Restoration areas anticipated to require remediation activities

to control new or repeated infestations of weeds will be identified. General recommendations and lessons learned will be provided.

An annual monitoring report will be prepared by the biological monitor or Contractor (during project construction) or the Restoration Contractor (after completion of project construction) and submitted to SCE and the BLM. Because NPS will conduct treatments within the MNP (Appendix C), reporting to the NPS is not required. The annual report will include the following information:

- Monitoring methods;
- Occurrence, extent, and species composition of weed populations;
- Changes from previous years monitoring data;
- Treatment methods, timing, and results;
- Herbicide tracking table;
- Recommended changes in treatment methods and/or monitoring methods;
- Progress toward meeting success criteria, including impacts to treatment sites that are outside the control of SCE such as illegal off-highway vehicle trespass;
- Remedial actions that may be required to meet success criteria;
- Applicable data sheets, maps, and photographs; and
- Vehicle inspection logs (during project construction).

The annual monitoring report, which will address activities occurring between July 1 and June 30 of each year of project implementation, will be submitted by SCE to the BLM and CPUC by November 30.

5 REFERENCES

Bureau of Land Management (BLM). 2007. Final Vegetation Treatments Using Herbicides on Bureau of Land Management Lands in 17 Western States Programmatic Environmental Impact Statement.

California Department of Food and Agriculture (CDFA). 2010. Noxious Weed Information Project – accessed August 2010. Internet site: http://www.cdfa.ca.gov/phpps/ipc/noxweedinfo/noxweedinfo_hp.htm

National Park Service (NPS). 2018. SCE Right Of Way Weeds – Status & Guidance 2018.

Nevada Department of Agriculture (NDA) Plant Industry Division, 2005. Noxious Weed List – accessed August 2010. Internet site: http://agri.nv.gov/nwac/PLANT_NoxWeedList.htm.

The Watershed Project and California Invasive Plants Council. 2004. The Weed Workers' Handbook. A Guide to Techniques for Removing Bay Area Invasive Plants. 120 pp.

This page intentionally left blank.

Appendices

Appendix A. Weed Inventory Summary Report
Appendix B. Potential Weed Species
Appendix C. Mojave National Preserve IWMP

This page intentionally left blank.

Appendix A. Weed Inventory Summary Report

This page intentionally left blank.

A1 INTRODUCTION

This Weed Inventory Summary Report was prepared to provide information required as part of the Integrated Weed Management Plan (IWMP) prepared for Southern California Edison's (SCE) Eldorado-Lugo-Mojave Series Capacitor Project (the Project).

A2 METHODS

Surveys in 2016 and 2019, completed to support the Project's permitting process, were not designed to meet the needs of the preconstruction survey required in CPUC MM BR-5. These surveys documented 29 species of weeds in 2016 and 18 species in 2019 but did not record the locations or extent of infestations.

Surveys conducted in March and April 2020 were intended to provide baseline weed infestation information for the Project prior to the anticipated construction start date in the summer of 2020. The surveys were conducted at all Project features, and all areas within 150 feet of all Project features. Exceptions that were not surveyed included the existing, developed Eldorado, Mohave, and Lugo substations, as well as proposed yards on private lands. However, yards that were visible from public roads were surveyed visually from the roadside, and weed infestations were noted if visible.

Surveyors conducted intensive 100-percent coverage surveys within each Project feature and transects spaced approximately every 50 to 100 feet outside of Project features. Surveyors recorded points on Trimble Geo-XT and Geo 7X submeter GPS units, with the following information for each infestation:

- Species
- Patch radius
- Estimated number of plants (if feasible)
- Phenology (e.g., vegetation, flowering, fruiting, senescent)

In many cases, the entire 150-foot survey buffer contained scattered or continuous infestations of some species. In those cases, the patch radius was not estimated, and the population was mapped as "Ubiquitous" within that survey area. However, dense concentrations of the ubiquitous species within that overall area were still recorded in some cases.

After completion of the inventory, weed infestations were mapped by generating polygons based on the recorded patch radius. Although the weed inventory survey area extended out 150 feet from Project features, the results are presented by polygons based on a 300-foot buffer around each Project feature. Thus, Project features within 600 feet of other Project features were all considered to be part of the same area with respect to the survey results.

A3 RESULTS

Approximately 15 species of weeds, as defined in the IWMP, were found during the inventory. Two very similar species, Arabian Schismus (*Schismus arabicus*) and Common Mediterranean Grass (*Schismus barbatus*), were treated as Mediterranean Grass (*Schismus* sp.) in the survey results. Table A-1 lists species recorded in the 2016, 2019, and 2020 surveys. However, all spatial information and discussion of individual infestations is based only on the species found in 2020.

This section also lists each infestation found within each of the Weed Zones across the Project area, with the exception of Weed Zone 4 (Mojave National Preserve), which is addressed in Appendix C. Project features in each of the sites (300-foot buffered areas) with weed infestations are listed and shown on the accompanying map panel series. The map panel series includes only Project features with weed infestations.

Table A-1 Weed Species Recorded in Project Area										
Common Name	***Scientific Name***	**CA IPC Status**		**Noxious Weed Status[1]**			**Years Detected**			**Project Objective**
		Risk Rating	**Alert**	**CA**	**NV**	**Federal**	**2016**	**2019**	**2020**	
Slender Oat	*Avena barbata*	Moderate					X	X	X	Containment
Wild Oats	*Avena fatua*	Moderate					X		X	Containment
Black Mustard	*Brassica nigra*	Moderate					X	X	X	Containment
Asian (Sahara) Mustard	*Brassica tournefortii*	High			B		X	X	X	Containment
Ripgut Brome	*Bromus diandrus*	Moderate					X	X		Containment
Soft Brome	*Bromus hordeaceus*	Limited					X			Surveillance
Japanese Brome	*Bromus japonicus*	Limited					X			Surveillance
Red Brome	*Bromus madritensis* ssp. *rubens*	High					X	X	X	Containment
Cheatgrass	*Bromus tectorum*	High					X	X	X	Containment
Bermuda Grass	*Cynodon dactylon*	Moderate					X	X		Containment
Tansy Mustard	*Descurainia sophia*	Limited					X	X		Surveillance
Redstem Stork's Bill	*Erodium cicutarium*	Limited					X	X	X	Surveillance
Italian Ryegrass	*Festuca perennis*	Moderate					X			Containment
Short-Pod Mustard	*Hirschfeldia incana*	Moderate					X	X	X	Containment
Mediterranean Barley	*Hordeum marinum*	Moderate					X			Containment
Mouse Barley	*Hordeum murinum*	Moderate					X	X	X	Containment
Horehound	*Marrubium vulgare*	Limited					X			Surveillance
Slenderleaf Iceplant	*Mesembryanthemum nodiflorum*	Limited					X	X		Surveillance
Crimson Fountain Grass	*Pennisetum setaceum*	Moderate			A		X	X		Containment
Rabbitsfoot Grass	*Polypogon monspeliensis*	Limited					X			Surveillance
Wild Radish	*Raphanus sativus*	Limited						X		Surveillance
Russian Thistle	*Salsola tragus*	Limited		C			X	X	X	Surveillance
Mediterranean Grass	*Schismus arabicus*	Limited					X		X	Surveillance
Common Mediterranean Grass	*Schismus barbatus*	Limited					X	X	X	Surveillance
London Rocket	*Sisymbrium irio*	Limited					X	X	X	Containment
Athel	*Tamarix aphylla*	Limited		–	C		X			Containment
Chinese Tamarisk	*Tamarix chinensis*	High		X	C		X	X		Containment
Saltcedar	*Tamarix ramosissima*	High		B	C		X		X	Containment
Puncture Vine	*Tribulus terrestris*	Limited		C	C		X			Containment
Woolly Mullein	*Verbascum thapsus*	Limited					X			Surveillance

NOTE: [1]Noxious Weed Status Definitions: A, B, and C: Noxious weed category. Q: Quarantine. X: Designated noxious weed with no specific category.

A3.1 Weed Zone 1: Lugo Substation to Barstow Road Yard

A3.1.1 Weed Zone 1 Infestations

Site BIO S01 (Map Panel 3) contains the following Project features:

- Wire Setup: M2-T3 STR-AS1
- Wire Setup: M2-T3 STR-BS1
- Tower Work: M2-T3 SWA

Table A-2 shows the weed species present in Site BIO S01.

Table A-2 Weed Species Present in Site BIO S01

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	50	30	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Slender Oat	Ubiquitous	Not applicable	Containment

Site BIO S02 (Map Panel 2) contains the following Project features:

- Guard Structure Area: GS84
- Guard Structure Area: GS85

Table A-3 shows the weed species present in Site BIO S02.

Table A-3 Weed Species Present in Site BIO S02

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S03 (Map Panel 1) contains the following Project features:

- Guard Structure Area: GS86

Table A-4 shows the weed species present in Site BIO S03.

Table A-4 Weed Species Present in Site BIO S03

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S04 (Map Panel 4) contains the following Project features:

- Guard Structure Area: GS82
- Guard Structure Area: GS83

Table A-5 shows the weed species present in Site BIO S04.

Table A-5 Weed Species Present in Site BIO S04			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Slender Oat	Ubiquitous	Not applicable	Surveillance

Site BIO S07 (Map Panel 6) contains the following Project features:

- Helicopter Landing Zone: LZ_8

Table A-6 shows the weed species present in Site BIO S07.

Table A-6 Weed Species Present in Site BIO S07			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S08 (Map Panel 5) contains the following Project features:

- Helicopter Landing Zone: LZ_6
- Site Access: M4-T2-IFWA

Table A-7 shows the weed species present in Site BIO S08.

Table A-7 Weed Species Present in Site BIO S08			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	50	Not applicable	Surveillance

Site BIO S09 (Map Panel 6) contains the following Project features:

- Helicopter Landing Zone: LZ_7

Table A-8 shows the weed species present in Site BIO S09.

Table A-8 Weed Species Present in Site BIO S09			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S010 (Map Panel 7) contains the following Project features:

- Helicopter Landing Zone: LZ_9
- Tower Work: M5-T4 SWA
- Wire Setup: M5-T4 STR-AS1
- Wire Setup: M5-T4 STR-BS1

Table A-9 shows the weed species present in Site BIO S010.

Table A-9 Weed Species Present in Site BIO S010			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Containment

Site BIO S011 (Map Panel 9) contains the following Project features:

- Guard Structure Area: GS80
- Guard Structure Area: GS81

Table A-10 shows the weed species present in Site BIO S011.

Table A-10 Weed Species Present in Site BIO S011			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	30	15	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S012 (Map Panel 11) contains the following Project features:

- Helicopter Landing Zone: LZ_12

Table A-11 shows the weed species present in Site BIO S012.

Table A-11 Weed Species Present in Site BIO S012			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S013 (Map Panel 10) contains the following Project features:

- Distribution: M8-T2
- Guard Structure Area: GS78
- Guard Structure Area: GS79

Table A-12 shows the weed species present in Site BIO S013.

Table A-12 Weed Species Present in Site BIO S013			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S014 (Map Panel 11) contains the following Project features:

- Foot Access: M9-T1-TP
- Foot Access: M9-T1-TP2
- Helicopter Landing Zone: LZ_14
- Tower Work: M9-T1 SWA
- Wire Setup/Grading: M9-T1 STR-BS1
- Wire Setup: M9-T1 STR-AS1

Table A-13 shows the weed species present in Site BIO S014.

Table A-13 Weed Species Present in Site BIO S014

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Slender Oat	50	Not applicable	Containment

Site BIO S015 (Map Panel 11) contains the following Project features:

- Helicopter Landing Zone: LZ_13

Table A-14 shows the weed species present in Site BIO S015.

Table A-14 Weed Species Present in Site BIO S015

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S016 (Map Panel 9) contains the following Project features:

- Helicopter Landing Zone: LZ_10

Table A-15 shows the weed species present in Site BIO S016.

Table A-15 Weed Species Present in Site BIO S016

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Seaside Barley	Ubiquitous	Not applicable	Containment

Site BIO S017 (Map Panel 12) contains the following Project features:

- Helicopter Landing Zone: LZ_15

Table A-16 shows the weed species present in Site BIO S017.

Table A-16 Weed Species Present in Site BIO S017			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S019 (Map Panel 12) contains the following Project features:

- Helicopter Landing Zone: LZ_16

Table A-17 shows the weed species present in Site BIO S019.

Table A-17 Weed Species Present in Site BIO S019			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S020 (Map Panel 13) contains the following Project features:

- Foot Access: M12-T2-TP
- Tower Work: M12-T2 SWA
- Wire Setup: M12-T2 STR-AS1
- Wire Setup: M12-T2 STR-BS1

Table A-18 shows the weed species present in Site BIO S020.

Table A-18 Weed Species Present in Site BIO S020			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S021 (Map Panel 13) contains the following Project features:

- Helicopter Landing Zone: LZ_17
- Helicopter Landing Zone: LZ_18

Table A-19 shows the weed species present in Site BIO S021.

Table A-19 Weed Species Present in Site BIO S021			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S022 (Map Panel 8) contains the following Project features:

- Arrowhead Lake Road

Table A-20 shows the weed species present in Site BIO S022.

Table A-20 Weed Species Present in Site BIO S022			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
London Rocket	50	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Seaside Barley	Ubiquitous	Not applicable	Containment
Shortpod Mustard	1	1	Containment

Site BIO S023 (Map Panel 14) contains the following Project features:

- Helicopter Landing Zone: LZ_19

Table A-21 shows the weed species present in Site BIO S023.

Table A-21 Weed Species Present in Site BIO S023			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S024 (Map Panel 15) contains the following Project features:

- Tower Work: M14-T4 SWA

Table A-22 shows the weed species present in Site BIO S024.

Table A-22 Weed Species Present in Site BIO S024			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	NA	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S025 (Map Panel 16) contains the following Project features:

- Helicopter Landing Zone: LZ_21

Table A-23 shows the weed species present in Site BIO S025.

Table A-23 Weed Species Present in Site BIO S025			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S026 (Map Panel 16) contains the following Project features:

- Helicopter Landing Zone: LZ_20

Table A-24 shows the weed species present in Site BIO S026.

Table A-24 Weed Species Present in Site BIO S026			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Russian Thistle	1	1	Surveillance

Site BIO S027 (Map Panel 17) contains the following Project features:

- Tower Work: M15-T3 SWA
- Wire Setup: M15-T3 STR-AS1
- Wire Setup: M15-T3 STR-BS1

Table A-25 shows the weed species present in Site BIO S027.

Table A-25 Weed Species Present in Site BIO S027			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S028 (Map Panel 18) contains the following Project features:

- Helicopter Landing Zone: LZ_22

Table A-26 shows the weed species present in Site BIO S028.

Table A-26 Weed Species Present in Site BIO S028			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S029 (Map Panel 18) contains the following Project features:

- Helicopter Landing Zone: LZ_23

Table A-27 shows the weed species present in Site BIO S029.

Table A-27 Weed Species Present in Site BIO S029			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment

Site BIO S030 (Map Panel 19) contains the following Project features:

- Helicopter Landing Zone: LZ_24

Table A-28 shows the weed species present in Site BIO S030.

Table A-28 Weed Species Present in Site BIO S030			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S031 (Map Panel 20) contains the following Project features:

- Guard Structure Area: GS77

Table A-29 shows the weed species present in Site BIO S031.

Table A-29 Weed Species Present in Site BIO S031			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S032 (Map Panel 21) contains the following Project features:

- Helicopter Landing Zone: LZ_25
- Site Access: M18-T4 SA-AS1
- Tower Work: M18-T4
- Wire Setup: M18-T3 STR-BS1
- Wire Setup: M18-T4 STR-AS1

Table A-30 shows the weed species present in Site BIO S032.

Table A-30 Weed Species Present in Site BIO S032			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S033 (Map Panel 22) contains the following Project features:

- Guard Structure Area: GS75
- Guard Structure Area: GS76
- Helicopter Landing Zone: LZ_26

Table A-31 shows the weed species present in Site BIO S033.

Table A-31 Weed Species Present in Site BIO S033			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S034 (Map Panel 23) contains the following Project features:

- Guard Structure Area: GS74

Table A-32 shows the weed species present in Site BIO S034.

Table A-32 Weed Species Present in Site BIO S034

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S035 (Map Panel 24) contains the following Project features:

- Guard Structure Area: GS73
- Subtransmission: M20-T2

Table A-33 shows the weed species present in Site BIO S035.

Table A-33 Weed Species Present in Site BIO S035

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Seaside Barley	15	30	Containment

Site BIO S036 (Map Panel 25) contains the following Project features:

- Helicopter Landing Zone: LZ_27

Table A-34 shows the weed species present in Site BIO S036.

Table A-34 Weed Species Present in Site BIO S036

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	30	8	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
London Rocket	65	200 or so localized	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Seaside Barley	100	Not applicable	Containment

Site BIO S037 (Map Panel 26) contains the following Project features:

- Guard Structure Area: GS71
- Guard Structure Area: GS72

Table A-35 shows the weed species present in Site BIO S037.

Table A-35 Weed Species Present in Site BIO S037			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Seaside Barley	Ubiquitous	Not applicable	Containment

Site BIO S038 (Map Panel 26) contains the following Project features:

- Bear Valley

Table A-36 shows the weed species present in Site BIO S038.

Table A-36 Weed Species Present in Site BIO S038			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Russian Thistle	50	Not applicable	Surveillance

Site BIO S039 (Map Panels 27-28) contains the following Project features:

- Guard Structure Area: GS67
- Guard Structure Area: GS68
- Guard Structure Area: GS69
- Guard Structure Area: GS70
- Helicopter Landing Zone: LZ_28
- Helicopter Landing Zone: LZ_29
- Site Access: M22-T2 SA-BS1
- Tower Work: M22-T2 SWA
- Wire Setup: M22-T2 STR-AS1
- Wire Setup: M22-T2 STR-BS1

Table A-37 shows the weed species present in Site BIO S039.

Table A-37 Weed Species Present in Site BIO S039			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment

Table A-37 Weed Species Present in Site BIO S039			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Seaside Barley	30	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S040 (Map Panel 29) contains the following Project features:

- Tower Work: M22-T4 SWA

Table A-38 shows the weed species present in Site BIO S040.

Table A-38 Weed Species Present in Site BIO S040			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	100	GENERAL	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S041 (Map Panel 30) contains the following Project features:

- Helicopter Landing Zone: LZ_32

Table A-39 shows the weed species present in Site BIO S041.

Table A-39 Weed Species Present in Site BIO S041			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S042 (Map Panel 32) contains the following Project features:

- Helicopter Landing Zone: LZ_33

Table A-40 shows the weed species present in Site BIO S042.

Table A-40 Weed Species Present in Site BIO S042			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S043 (Map Panel 31) contains the following Project features:

- Helicopter Landing Zone: LZ_31

Table A-41 shows the weed species present in Site BIO S043.

Table A-41 Weed Species Present in Site BIO S043

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
London Rocket	50	20	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S044 (Map Panel 33) contains the following Project features:

- Guard Structure Area: GS66
- Helicopter Landing Zone: LZ_34
- Site Access: M24-T5 SA-AS1
- Tower Work: M24-T5 SWA
- Wire Setup: M24-T5 STR-AS1
- Wire Setup: M24-T5 STR-BS1

Table A-42 shows the weed species present in Site BIO S044.

Table A-42 Weed Species Present in Site BIO S044

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S045 (Map Panel 34) contains the following Project features:

- Guard Structure Area: GS65
- Guard Structure Area: GS63
- Guard Structure Area: GS64

Table A-43 shows the weed species present in Site BIO S045.

Table A-43 Weed Species Present in Site BIO S045

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S046 (Map Panel 34) contains the following Project features:

- Guard Structure Area: GS63
- Guard Structure Area: GS64

Table A-44 shows the weed species present in Site BIO S046.

Table A-44 Weed Species Present in Site BIO S046

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S047 (Map Panel 35) contains the following Project features:

- Guard Structure Area: GS62

Table A-45 shows the weed species present in Site BIO S047.

Table A-45 Weed Species Present in Site BIO S047

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S048 (Map Panel 36) contains the following Project features:

- Helicopter Landing Zone: LZ_35

Table A-46 shows the weed species present in Site BIO S048.

Table A-46 Weed Species Present in Site BIO S048

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S049 (Map Panel 36) contains the following Project features:

- Guard Structure Area: GS60
- Guard Structure Area: GS61

Table A-47 shows the weed species present in Site BIO S049.

Table A-47 Weed Species Present in Site BIO S049

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S050 (Map Panel 37) contains the following Project features:

- Foot Access: M27-T3-TP
- Foot Access: M27-T3-TP2

- Helicopter Landing Zone: LZ_36
- Site Access: M27-T3 SA-AS1
- Site Access: M27-T3 SA-BS1
- Tower Work: M27-T3 SWA
- Wire Setup: M27-T3 STR-AS1
- Wire Setup: M27-T3 STR-BS1

Table A-48 shows the weed species present in Site BIO S050.

Table A-48 Weed Species Present in Site BIO S050

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S051 (Map Panel 38) contains the following Project features:

- Helicopter Landing Zone: LZ_37

Table A-49 shows the weed species present in Site BIO S051.

Table A-49 Weed Species Present in Site BIO S051

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	30	20	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S052 (Map Panel 39) contains the following Project features:

- Foot Access: M29-T3-TP
- Foot Access: M29-T3-TP2
- Helicopter Landing Zone: LZ_38
- M29-T3 to M30-T1
- Site Access: M29-T3 SA-AS1
- Site Access: M29-T3 SA-BS1
- Site Access: M29-T3-IFWA
- Tower Work: M29-T3 SWA
- Wire Setup: M29-T3 STR-AS1
- Wire Setup: M29-T3 STR-BS1

Table A-50 shows the weed species present in Site BIO S052.

Table A-50 Weed Species Present in Site BIO S052

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Cheatgrass	Ubiquitous	Not applicable	Containment
London Rocket	20	100	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment

A3.1.2 Weed Zone 1 Weed Species and Risk Assessment

Table A-51 presents the risk assessment for Weed Zone 1.

Table A-51 Risk Assessment for Weed Zone 1

Common Name	*Scientific Name*	CAL-IPC Status	Noxious Weed Status	Bureau of Land Management Risk Rating Factor 1/ Factor 2	Final Risk Rating and Action
Slender Oat	*Avena barbata*	Moderate		Moderate/Moderate	Moderate
Cheatgrass	*Bromus tectorum*	High		Moderate/Moderate	Moderate
Short-Pod Mustard	*Hirschfeldia incana*	Moderate		Moderate/Moderate	Moderate
Russian Thistle	*Salsola tragus*	Limited	C (CA)	Moderate/Moderate	Moderate
Mediterranean Grass	*Schismus* sp.	Limited		Moderate/Moderate	Moderate
London Rocket	*Sisymbrium irio*	Limited		Moderate/Moderate	Moderate
Asian Mustard	*Brassica tournefortii*	High	B (NV)	Moderate/High	High
Red Brome	*Bromus madritensis rubens*	High		Moderate/Moderate	Moderate
Redstem Stork's Bill	*Erodium cicutarium*	Limited		Moderate/Moderate	Moderate
Hare Barley	*Hordeum murinum*	Moderate		Moderate/Moderate	Moderate

A3.2 Weed Zone 2: Barstow Road Yard to Newberry Springs Series Capacitor

A3.2.1 Weed Zone 2 Infestations

Site BIO S053 (Map Panel 40) contains the following Project features:

- Barstow Road Yard
- Barstow Telecom Repeater: Barstow Telecom Repeater
- Distribution: Barstow Repeater - DWA
- Foot Access: M31-T1-TP
- Foot Access: M31-T1-TP2
- Guard Structure Area: GS56
- Guard Structure Area: GS57
- Guard Structure Area: GS58
- Guard Structure Area: GS59
- Helicopter Landing Zone: LZ_39
- Telecommunication: Barstow Repeater - TPS1
- Telecommunication: Barstow Repeater - TPS2
- Telecommunication: Barstow Repeater - TWA
- Telecommunication: M31-T1-TELAR
- Tower Work: M31-T1 SWA

- Wire Setup: M31-T1 STR-AS1
- Wire Setup: M31-T1 STR-BS1

Table A-52 shows the weed species present in Site BIO S053.

Table A-52 Weed Species Present in Site BIO S053

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S054 (Map Panel 41) contains the following Project features:

- Guard Structure Area: GS55

Table A-53 shows the weed species present in Site BIO S054

Table A-53 Weed Species Present in Site BIO S054

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S055 (Map Panel 42) contains the following Project features:

- Guard Structure Area: GS54

Table A-54 shows the weed species present in Site BIO S055,

Table A-54 Weed Species Present in Site BIO S055

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	100	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S056 (Map Panel 43) contains the following Project features:

- Helicopter Landing Zone: LZ_40
- Tower Work: M33-T1 SWA

Table A-55 shows the weed species present in Site BIO S056.

Table A-55 Weed Species Present in Site BIO S056

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S057 (Map Panels 43-44) contains the following Project features:

- Helicopter Landing Zone: LZ_41
- Site Access: M33-T2 SA-AS1
- Site Access: M33-T2 SA-BS1
- Tower Work: M33-T2 SWA
- Wire Setup: M33-T2 STR-AS1
- Wire Setup: M33-T2 STR-BS1

Table A-56 shows the weed species present in Site BIO S057.

Table A-56 Weed Species Present in Site BIO S057

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Cheatgrass	50	Scarce	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S058 (Map Panel 44) contains the following Project features:

- Helicopter Landing Zone: LZ_42
- Helicopter Landing Zone: LZ_43

Table A-57 shows the weed species present in Site BIO S058.

Table A-57 Weed Species Present in Site BIO S058

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S059 (Map Panel 45) contains the following Project features:

- Helicopter Landing Zone: LZ_44

Table A-58 shows the weed species present in Site BIO S059.

Table A-58 Weed Species Present in Site BIO S059

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S060 (Map Panel 46) contains the following Project features:

- Guard Structure Area: GS52
- Guard Structure Area: GS53

Table A-59 shows the weed species present in Site BIO S060.

Table A-59 Weed Species Present in Site BIO S060			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S061 (Map Panel 47) contains the following Project features:

- Foot Access: M36-T3-TP
- Helicopter Landing Zone: LZ_45
- Site Access: M36-T3 SA-AS1
- Site Access: M36-T3 SA-BS1
- Tower Work: M36-T3
- Wire Setup: M36-T3 STR-AS1
- Wire Setup: M36-T3 STR-BS1

Table A-60 shows the weed species present in Site BIO S061.

Table A-60 Weed Species Present in Site BIO S061			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	30	6	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S062 (Map Panel 48) contains the following Project features:

- Helicopter Landing Zone: LZ_46

Table A-61 shows the weed species present in Site BIO S062.

Table A-61 Weed Species Present in Site BIO S062			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S063 (Map Panel 48) contains the following Project features:

- Helicopter Landing Zone: LZ_47

Table A-62 shows the weed species present in Site BIO S063.

Table A-62 Weed Species Present in Site BIO S063			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S064 (Map Panel 49) contains the following Project features:

- Helicopter Landing Zone: LZ_48

Table A-63 shows the weed species present in Site BIO S064.

Table A-63 Weed Species Present in Site BIO S064

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S065 (Map Panel 49) contains the following Project features:

- Helicopter Landing Zone: LZ_49

Table A-64 shows the weed species present in Site BIO S065.

Table A-64 Weed Species Present in Site BIO S065

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S066 (Map Panel 50) contains the following Project features:

- Helicopter Landing Zone: LZ_50

Table A-65 shows the weed species present in Site BIO S066.

Table A-65 Weed Species Present in Site BIO S066

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S067 (Map Panel 51) contains the following Project features:

- Foot Access: M40-T1-TP4
- Site Access: M40-T1 SA-AS1
- Tower Work: M40-T1 SWA
- Wire Setup: M40-T1 STR-AS1
- Wire Setup: M40-T1 STR-BS1

Table A-66 shows the weed species present in Site BIO S067.

Table A-66 Weed Species Present in Site BIO S067

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S068 (Map Panels 51-52) contains the following Project features:

- Guard Structure Area: GS51
- Helicopter Landing Zone: LZ_51
- Helicopter Landing Zone: LZ_52

Table A-67 shows the weed species present in Site BIO S068.

Table A-67 Weed Species Present in Site BIO S068

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S069 (Map Panel 52) contains the following Project features:

- Helicopter Landing Zone: LZ_53

Table A-68 shows the weed species present in Site BIO S069.

Table A-68 Weed Species Present in Site BIO S069

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S070 (Map Panel 53) contains the following Project features:

- Helicopter Landing Zone: LZ_54

Table A-69 shows the weed species present in Site BIO S070.

Table A-69 Weed Species Present in Site BIO S070

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S071 (Map Panel 54) contains the following Project features:

- Helicopter Landing Zone: LZ_55

Table A-70 shows the weed species present in Site BIO S071.

Table A-70 Weed Species Present in Site BIO S071

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S072 (Map Panel 54) contains the following Project features:

- Foot Access: M42-T4-TP
- Guard Structure Area: GS50

- Tower Work: M42-T4 SWA
- Wire Setup: M42-T4 STR-AS1
- Wire Setup: M42-T4 STR-BS1

Table A-71 shows the weed species present in Site BIO S072.

Table A-71 Weed Species Present in Site BIO S072

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
London Rocket	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S073 (Map Panel 55) contains the following Project features:

- Helicopter Landing Zone: LZ_56

Table A-72 shows the weed species present in Site BIO S073.

Table A-72 Weed Species Present in Site BIO S073

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S074 (Map Panel 56) contains the following Project features:

- Helicopter Landing Zone: LZ_57

Table A-73 shows the weed species present in Site BIO S074.

Table A-73 Weed Species Present in Site BIO S074

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S075 (Map Panel 57) contains the following Project features:

- Foot Access: M46-T2-TP
- Site Access: M46-T2 SA-AS1
- Site Access: M46-T2 SA-BS2
- Tower Work: M46-T2 SWA
- Wire Setup: M46-T2 STR-AS1
- Wire Setup: M46-T2 STR-BS2

Table A-74 shows the weed species present in Site BIO S075.

Table A-74 Weed Species Present in Site BIO S075

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S076 (Map Panel 57) contains the following Project features:

- Helicopter Landing Zone: LZ_58

Table A-75 shows the weed species present in Site BIO S076.

Table A-75 Weed Species Present in Site BIO S076			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S077 (Map Panel 58) contains the following Project features:

- Helicopter Landing Zone: LZ_60

Table A-76 shows the weed species present in Site BIO S077.

Table A-76 Weed Species Present in Site BIO S077			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S078 (Map Panel 58) contains the following Project features:

- Helicopter Landing Zone: LZ_59

Table A-77 shows the weed species present in Site BIO S078.

Table A-77 Weed Species Present in Site BIO S078			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	100	Occasional	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S079 (Map Panel 59) contains the following Project features:

- Helicopter Landing Zone: LZ_61

Table A-78 shows the weed species present in Site BIO S079.

Table A-78 Weed Species Present in Site BIO S079			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S080 (Map Panel 60) contains the following Project features:

- Helicopter Landing Zone: LZ_62

Table A-79 shows the weed species present in Site BIO S080.

Table A-79 Weed Species Present in Site BIO S080			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S081 (Map Panel 60) contains the following Project features:

- Tower Work: M49-T3 SWA
- Wire Setup: M49-T3 STR-AS2
- Wire Setup: M49-T3 STR-BS1

Table A-80 shows the weed species present in Site BIO S081.

Table A-80 Weed Species Present in Site BIO S081			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	2	20	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S082 (Map Panel 61) contains the following Project features:

- Helicopter Landing Zone: LZ_64

Table A-81 shows the weed species present in Site BIO S082.

Table A-81 Weed Species Present in Site BIO S082			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	150	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S084 (Map Panel 62) contains the following Project features:

- Helicopter Landing Zone: LZ_65

Table A-82 shows the weed species present in Site BIO S084.

Table A-82 Weed Species Present in Site BIO S084			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S085 (Map Panel 63) contains the following Project features:

- Helicopter Landing Zone: LZ_66

Table A-83 shows the weed species present in Site BIO S085.

Table A-83 Weed Species Present in Site BIO S085			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S086 (Map Panel 63) contains the following Project features:

- Foot Access: M53-T1-TP
- Helicopter Landing Zone: LZ_67
- Site Access: M53-T1 SA-AS1b
- Site Access: M53-T1 SA-BS1
- Tower Work: M53-T1 SWA
- Wire Setup: M53-T1 STR-AS1
- Wire Setup: M53-T1 STR-BS1

Table A-84 shows the weed species present in Site BIO S086.

Table A-84 Weed Species Present in Site BIO S086			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S087 (Map Panel 65) contains the following Project features:

- Helicopter Landing Zone: LZ_68

Table A-85 shows the weed species present in Site BIO S087.

Table A-85 Weed Species Present in Site BIO S087			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S088 (Map Panel 64) contains the following Project features:

- Helicopter Landing Zone: LZ_71

Table A-86 shows the weed species present in Site BIO S088.

Table A-86 Weed Species Present in Site BIO S088			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	30	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S089 (Map Panel 66) contains the following Project features:

- Helicopter Landing Zone: LZ_70

Table A-87 shows the weed species present in Site BIO S089.

Table A-87 Weed Species Present in Site BIO S089			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S090 (Map Panel 67) contains the following Project features:

- Site Access: M56-T2 SA-AS1
- Site Access: M56-T2 SA-BS1
- Tower Work: M56-T2 SWA
- Wire Setup: M56-T2 STR-AS1
- Wire Setup: M56-T2 STR-BS1

Table A-88 shows the weed species present in Site BIO S090.

Table A-88 Weed Species Present in Site BIO S090			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S091 (Map Panel 68) contains the following Project features:

- Guard Structure Area: GS49

Table A-89 shows the weed species present in Site BIO S091.

Table A-89 Weed Species Present in Site BIO S091			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S092 (Map Panel 68) contains the following Project features:

- Helicopter Landing Zone: LZ_72

Table A-90 shows the weed species present in Site BIO S072.

Table A-90 Weed Species Present in Site BIO S092			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S093 (Map Panel 69) contains the following Project features:

- Tower Work: M58-T1 SWA

Table A-91 shows the weed species present in Site BIO S093.

Table A-91 Weed Species Present in Site BIO S093			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S094 (Map Panel 69) contains the following Project features:

- Tower Work: M58-T2 SWA

Table A-92 shows the weed species present in Site BIO S094.

Table A-92 Weed Species Present in Site BIO S094			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	50	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S095 (Map Panel 70) contains the following Project features:

- Helicopter Landing Zone: LZ_73

Table A-93 shows the weed species present in Site BIO S095.

Table A-93 Weed Species Present in Site BIO S095			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S096 (Map Panel 71) contains the following Project features:

- Site Access: M59-T3 SA-AS1
- Site Access: M59-T3 SA-BS1
- Tower Work: M59-T3 SWA
- Wire Setup: M59-T3 STR-AS1
- Wire Setup: M59-T3 STR-BS1

Table A-94 shows the weed species present in Site BIO S096.

Table A-94 Weed Species Present in Site BIO S096			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S097 (Map Panel 72) contains the following Project features:

- Foot Access: M36-T1-TP
- Site Access: M63-T1 SA-AS1

- Site Access: M63-T1 SA-BS1
- Tower Work: M63-T1 SWA
- Wire Setup: M63-T1 STR-AS1
- Wire Setup: M63-T1 STR-BS1

Table A-95 shows the weed species present in Site BIO S097.

Table A-95 Weed Species Present in Site BIO S097

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	5	4	Containment
Mediterranean Grass	100	Not applicable	Surveillance
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S098 (Map Panel 94) contains the following Project features:

- Ludlow

Table A-96 shows the weed species present in Site BIO S098.

Table A-96 Weed Species Present in Site BIO S098

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0100 (Map Panel 73) contains the following Project features:

- Tower Work: M63-T3 SWA

Table A-97 shows the weed species present in Site BIO S0100.

Table A-97 Weed Species Present in Site BIO S0100

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	100		Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0101 (Map Panel 73) contains the following Project features:

- Helicopter Landing Zone: LZ_74

Table A-98 shows the weed species present in Site BIO S0101.

Table A-98 Weed Species Present in Site BIO S0101

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0102 (Map Panel 74) contains the following Project features:

- Tower Work: M64-T2 SWA

Table A-99 shows the weed species present in Site BIO S0102.

Table A-99 Weed Species Present in Site BIO S0102			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	10	5	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0103 (Map Panel 93) contains the following Project features:

- Foot Access: M78-T4-TP
- Foot Access: M78-T4-TP2
- Helicopter Landing Zone: LZ_92
- Site Access: M78-T4 SA-AS1
- Site Access: M78-T4 SA-BS1
- Tower Work: M78-T4 SWA
- Wire Setup: M78-T4 STR-AS1
- Wire Setup: M78-T4 STR-BS1

Table A-100 shows the weed species present in Site BIO S0103.

Table A-100 Weed Species Present in Site BIO S0103			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	30	FEW	Containment
Asian Mustard	50	6	Containment
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0104 (Map Panel 75) contains the following Project features:

- Helicopter Landing Zone: LZ_75
- Helicopter Landing Zone: LZ_76

Table A-101 shows the weed species present in Site BIO S0104.

Table A-101 Weed Species Present in Site BIO S0104			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	10	Not applicable	Surveillance

Site BIO S0105 (Map Panel 92) contains the following Project features:

- Helicopter Landing Zone: LZ_91

Table A-102 shows the weed species present in Site BIO S0105.

Table A-102 Weed Species Present in Site BIO S0105			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0106 (Map Panel 91) contains the following Project features:

- Helicopter Landing Zone: LZ_90

Table A-103 shows the weed species present in Site BIO S0106.

Table A-103 Weed Species Present in Site BIO S0106

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0107 (Map Panel 76) contains the following Project features:

- Helicopter Landing Zone: LZ_77

Table A-104 shows the weed species present in Site BIO S0107.

Table A-104 Weed Species Present in Site BIO S0107

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	3	12	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0108 (Map Panel 91) contains the following Project features:

- Helicopter Landing Zone: LZ_89

Table A-105 shows the weed species present in Site BIO S0108.

Table A-105 Weed Species Present in Site BIO S0108

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	50		Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0109 (Map Panel 90) contains the following Project features:

- Foot Access: M75-T3-TP
- Site Access: M75-T3 SA-AS2
- Site Access: M75-T3 SA-BS1
- Tower Work: M75-T3 SWA
- Wire Setup: M75-T3 STR-AS2
- Wire Setup: M75-T3 STR-BS1

Table A-106 shows the weed species present in Site BIO S0109.

Table A-106 Weed Species Present in Site BIO S0109

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0110 (Map Panel 89) contains the following Project features:

- Helicopter Landing Zone: LZ_88

Table A-107 shows the weed species present in Site BIO S0110.

Table A-107 Weed Species Present in Site BIO S0110			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0111 (Map Panel 76) contains the following Project features:

- Helicopter Landing Zone: LZ_78

Table A-108 shows the weed species present in Site BIO S0111.

Table A-108 Weed Species Present in Site BIO S0111			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0112 (Map Panel 88) contains the following Project features:

- Helicopter Landing Zone: LZ_87

Table A-109 shows the weed species present in Site BIO S0112.

Table A-109 Weed Species Present in Site BIO S0112			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0113 (Map Panel 95) contains the following Project features:

- Helicopter Landing Zone: LZ_94

Table A-110 shows the weed species present in Site BIO S0113.

Table A-110 Weed Species Present in Site BIO S0113			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	1	1	Containment
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0114 (Map Panel 87) contains the following Project features:

- Helicopter Landing Zone: LZ_86

Table A-111 shows the weed species present in Site BIO S0114.

Table A-111 Weed Species Present in Site BIO S0114			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0115 (Map Panel 77) contains the following Project features:

- Foot Access: M66-T2-TP
- Foot Access: M66-T2-TP2
- Guard Structure Area: GS45
- Guard Structure Area: GS46
- Guard Structure Area: GS47
- Guard Structure Area: GS48
- Site Access: M66-T2 SA-BS1
- Tower Work: M66-T2 SWA
- Wire Setup: M66-T1 STR-AS2
- Wire Setup: M66-T2 STR-BS1

Table A-112 shows the weed species present in Site BIO S0115.

Table A-112 Weed Species Present in Site BIO S0115

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

A3.2.2 Weed Zone 2 Weed Species and Risk Assessment

Table A-113 presents the risk assessment for Weed Zone 2.

Table A-113 Risk Assessment for Weed Zone 2

Common Name	*Scientific Name*	CAL-IPC Status	Noxious Weed Status	Bureau of Land Management Risk Rating Factor 1/ Factor 2	Final Risk Rating and Action
Asian Mustard	*Brassica tournefortii*	High	B (NV)	Moderate/High	High
Cheatgrass	*Bromus tectorum*	High		Moderate/Moderate	Moderate
Red Brome	*Bromus madritensis rubens*	High		Moderate/Moderate	Moderate
Redstem Stork's Bill	*Erodium cicutarium*	Limited		Moderate/Moderate	Moderate
Mediterranean Grass	*Schismus* sp.	Limited		Moderate/Moderate	Moderate
London Rocket	*Sisymbrium irio*	Limited		Moderate/Moderate	Moderate

A3.2.3 Weed Zone 3 Weed Species and Risk Assessment

Table A-114 presents the risk assessment for Weed Zone 3.

Table A-114 Risk Assessment for Weed Zone 3

Common Name	*Scientific Name*	CAL-IPC Status	Noxious Weed Status	Bureau of Land Management Risk Rating Factor 1/ Factor 2	Final Risk Rating and Action
Asian Mustard	*Brassica tournefortii*	High	B (NV)	Moderate/High	High
Red Brome	*Bromus madritensis rubens*	High		Moderate/Moderate	Moderate

Table A-114 Risk Assessment for Weed Zone 3					
Common Name	***Scientific Name***	**CAL-IPC Status**	**Noxious Weed Status**	**Bureau of Land Management Risk Rating Factor 1/ Factor 2**	**Final Risk Rating and Action**
Redstem Stork's Bill	*Erodium cicutarium*	Limited		Moderate/Moderate	Moderate
Mediterranean Grass	*Schismus* sp.	Limited		Moderate/Moderate	Moderate
Saltcedar	*Tamarix ramosissima*	High	B (CA), C (NV)	Low/Low	Low

A3.3 Weed Zone 3: Newberry Springs Series Capacitor Station to Mojave National Preserve Western Boundary

A3.3.1 Weed Zone 3 Infestations

Site BIO S0116 (Map Panel 96) contains the following Project features:

- Helicopter Landing Zone: LZ_95
- Site Access: M82-T1 SA-AS1
- Site Access: M82-T1 SA-BS1
- Tower Work: M82-T1 SWA
- Wire Setup: M82-T1 STR-AS1
- Wire Setup: M82-T1 STR-BS1

Table A-115 shows the weed species present in Site BIO S0116.

Table A-115 Weed Species Present in Site BIO S0116			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0117 (Map Panel 86) contains the following Project features:

- Helicopter Landing Zone: LZ_84
- Helicopter Landing Zone: LZ_85
- Site Access: M72-T1 SA-AS1
- Site Access: M72-T1 SA-BS1
- Tower Work: M72-T1 SWA
- Wire Setup: M72-T1 STR-AS1
- Wire Setup: M72-T1 STR-BS1

Table A-116 shows the weed species present in Site BIO S0117.

Table A-116 Weed Species Present in Site BIO S0117			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	1	1	Containment
Asian Mustard	6	8	Containment
Asian Mustard	30	Scarce	Containment

Table A-116 Weed Species Present in Site BIO S0117			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0118 (Map Panel 97) contains the following Project features:

- Helicopter Landing Zone: LZ_96

Table A-117 shows the weed species present in Site BIO S0118.

Table A-117 Weed Species Present in Site BIO S0118			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0119 (Map Panels 84-85) contains the following Project features:

- Guard Structure Area: GS37
- Guard Structure Area: GS38
- Guard Structure Area: GS39
- Guard Structure Area: GS40
- Guard Structure Area: GS41
- Guard Structure Area: GS42
- Guard Structure Area: GS43
- Guard Structure Area: GS44
- Helicopter Landing Zone: LZ_82
- Tower Work: M68-T1 SWA
- Tower Work: M68-T2 SWA

Table A-118 shows the weed species present in Site BIO S0119.

Table A-118 Weed Species Present in Site BIO S0119			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	1	2	Containment
Asian Mustard	1	2	Containment
Asian Mustard	2	3	Containment
Asian Mustard	3	4	Containment
Asian Mustard	25	200	Containment
Asian Mustard	50	75	Containment
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	50	50	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Saltcedar	15	4	Containment

Site BIO S0120 (Map Panel 85) contains the following Project features:

- Tower Work: M68-T3 SWA

Table A-119 shows the weed species present in Site BIO S0120.

Table A-119 Weed Species Present in Site BIO S0120			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	1	1	Containment
Asian Mustard	2	9	Containment
Asian Mustard	2	6	Containment
Asian Mustard	30	12	Containment
Asian Mustard	Ubiquitous	Not applicable	Containment

Site BIO S0121 (Map Panel 98) contains the following Project features:

- Helicopter Landing Zone: LZ_97

Table A-120 shows the weed species present in Site BIO S0121.

Table A-120 Weed Species Present in Site BIO S0121			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0122 (Map Panel 98) contains the following Project features:

- Helicopter Landing Zone: LZ_98
- Tower Work: M85-T2 SWA
- Wire Setup: M85-T2 STR-AS1
- Wire Setup: M85-T2 STR-BS1

Table A-121 shows the weed species present in Site BIO S0122.

Table A-121 Weed Species Present in Site BIO S0122			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0123 (Map Panels 78-79, 81-83) contains the following Project features:

- Access Road Surface: LUD-AR
- Access Road Surface: NBY-AR2
- Access Road Surface: NBY-AR3
- Capacitor1
- Capacitor5
- Distribution/Telecom: Capacitor Sites - DTWA1
- Distribution/Telecom: Capacitor Sites - DTWA2
- Distribution/Telecom: Capacitor Sites - DTWA3
- Guard Structure Area: GS35
- Guard Structure Area: GS36
- Guard Structure Area: Newberry Springs - GSA1
- Guard Structure Area: Newberry Springs - GSA2

- Helicopter Landing Zone: LZ_83
- Internal Access Road Surface - Aggregate Base: LUD-AR2
- Internal Access Road Surface - Aggregate Base: NBY-AR
- Ludlow Series Capacitor
- Newberry Springs Series Capacitor
- Substation: Mid Cap Parking
- Telecommunication: Capacitor Sites - LWA1
- Telecommunication: Capacitor Sites - LWA2
- Telecommunication: Capacitor Sites - NWA1
- Telecommunication: Capacitor Sites - NWA2
- Telecommunication: Pull Site 12
- Tower Work: Ludlow - TW1
- Tower Work: M67-T6 Equipment Site
- Tower Work: M67-T6 SWA
- Tower Work: M68-T1 Equipment Site
- Tower Work: M68-T1 SWA
- Tower Work: M68-T2 Equipment Site
- Tower Work: M68-T3 Equipment Site
- Tower Work: M68-T4 Equipment Site
- Tower Work: M69-T1 Equipment Site
- Tower Work: M69-T1 SWA
- Tower Work: Newberry Springs - SWA2
- Tower Work: Newberry Springs -SWA1
- Wire Setup: M68-T4- STR-BS1
- Wire Setup: M69-T1 STR-AS1

Table A-122 shows the weed species present in Site BIO S0123.

Table A-122 Weed Species Present in Site BIO S0123

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	1	1	Containment
Asian Mustard	1	1	Containment
Asian Mustard	1	1	Containment
Asian Mustard	1	2	Containment
Asian Mustard	1	5	Containment
Asian Mustard	1	6	Containment
Asian Mustard	3	5	Containment
Asian Mustard	3	2	Containment
Asian Mustard	5	5	Containment
Asian Mustard	20	40	Containment
Asian Mustard	30		Containment
Asian Mustard	50	12	Containment
Asian Mustard	50	10	Containment
Asian Mustard	150		Containment
Asian Mustard	150	20	Containment
Asian Mustard	150	5	Containment
Asian Mustard	150	8	Containment
Asian Mustard	150	5	Containment

Table A-122 Weed Species Present in Site BIO S0123			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	200	1	Containment
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	150	35	Surveillance
Redstem Stork's Bill	150	50	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Saltcedar	Ubiquitous	Not applicable	Containment

Site BIO S0124 (Map Panel 99) contains the following Project features:

- Helicopter Landing Zone: LZ_99

Table A-123 shows the weed species present in Site BIO S0124.

Table A-123 Weed Species Present in Site BIO S0124			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0125 (Map Panel 80) contains the following Project features:

- Capacitor1
- Tower Work: M68-T4 Equipment Site
- Tower Work: M68-T4 SWA

Table A-124 shows the weed species present in Site BIO S0125.

Table A-124 Weed Species Present in Site BIO S0125			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0126 (Map Panel 80) contains the following Project features:

- Tower Work: M68-T5 Equipment Site
- Tower Work: M68-T5 SWA

Table A-125 shows the weed species present in Site BIO S0122.

Table A-125 Weed Species Present in Site BIO S0126			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0127 (Map Panels 100-101) contains the following Project features:

- Foot Access: M88-T4-TP
- Helicopter Landing Zone: LZ_100

- Site Access: M88-T4 SA-AS1
- Tower Work: M88-T4 SWA
- Wire Setup: M88-T4 STR-AS1
- Wire Setup: M88-T4 STR-BS1

Table A-126 shows the weed species present in Site BIO S0127.

Table A-126 Weed Species Present in Site BIO S0127

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0128 (Map Panels 100-101) contains the following Project features:

- Tower Work: M89-T1 SWA

Table A-127 shows the weed species present in Site BIO S0128.

Table A-127 Weed Species Present in Site BIO S0128

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0129 (Map Panel 101) contains the following Project features:

- Tower Work: M89-T2 SWA

Table A-128 shows the weed species present in Site BIO S0129.

Table A-128 Weed Species Present in Site BIO S0129

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	1	Not applicable	Containment
Asian Mustard	150	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0131 (Map Panel 102) contains the following Project features:

- Helicopter Landing Zone: LZ_102

Table A-129 shows the weed species present in Site BIO S0131.

Table A-129 Weed Species Present in Site BIO S0131

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0132 (Map Panel 102) contains the following Project features:

- Helicopter Landing Zone: LZ_103
- Site Access: M92-T1 SA-AS1

- Site Access: M92-T1 SA-BS1
- Tower Work: M29-T3 SWA
- Wire Setup: M92-T1 STR-AS1
- Wire Setup: M92-T1 STR-BS1

Table A-130 shows the weed species present in Site BIO S0132.

Table A-130 Weed Species Present in Site BIO S0132

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Red Brome	100	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0133 (Map Panel 103) contains the following Project features:

- Helicopter Landing Zone: LZ_104

Table A-131 shows the weed species present in Site BIO S0133.

Table A-131 Weed Species Present in Site BIO S0133

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0134 (Map Panel 104) contains the following Project features:

- Helicopter Landing Zone: LZ_105

Table A-132 shows the weed species present in Site BIO S0134.

Table A-132 Weed Species Present in Site BIO S0134

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0135 (Map Panel 105) contains the following Project features:

- Helicopter Landing Zone: LZ_106

Table A-133 shows the weed species present in Site BIO S0135.

Table A-133 Weed Species Present in Site BIO S0135

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	1	1	Containment

Site BIO S0136 (Map Panels 105-106) contains the following Project features:

- Helicopter Landing Zone: LZ_107
- Site Access: M95-T1 SA-AS1
- Site Access: M95-T1 SA-BS1a
- Tower Work: M95-T1 SWA

- Wire Setup: M95-T1 STR-AS1
- Wire Setup: M95-T1 STR-BS1

Table A-134 shows the weed species present in Site BIO S0136.

Table A-134 Weed Species Present in Site BIO S0136

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0137 (Map Panel 106) contains the following Project features:

- Helicopter Landing Zone: LZ_108

Table A-135 shows the weed species present in Site BIO S0137.

Table A-135 Weed Species Present in Site BIO S0137

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0140 (Map Panel 107) contains the following Project features:

- Helicopter Landing Zone: LZ_109

Table A-136 shows the weed species present in Site BIO S0140.

Table A-136 Weed Species Present in Site BIO S0140

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

A3.4 Weed Zone 4: Mojave National Preserve

Weed Zone 4 is addressed in Appendix C of the IWMP

A3.5 Weed Zone 5: Mojave National Preserve eastern boundary to Mohave Substation

A3.5.1 Weed Zone 5 Infestations

Site BIO S0165 (Map Panel 108) contains the following Project features:

- Helicopter Landing Zone: LZ_128

Table A-137 shows the weed species present in Site BIO S0165.

Table A-137 Weed Species Present in Site BIO S0165

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0174 (Map Panel 109) contains the following Project features:

- Tower Work: M128-T1 SWA
- Wire Setup: M128-T1 STR-AS1
- Wire Setup: M128-T1 STR-BS1

Table A-138 shows the weed species present in Site BIO S0174.

Table A-138 Weed Species Present in Site BIO S0174

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0175 (Map Panel 109) contains the following Project features:

- Helicopter Landing Zone: LZ_140

Table A-139 shows the weed species present in Site BIO S0175.

Table A-139 Weed Species Present in Site BIO S0175

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO 0179 (Map Panel 110) contains the following Project features:

- Goffs Yard - Alt

Table A-140 shows the weed species present in Site BIO S0179.

Table A-140 Weed Species Present in Site BIO S0179

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Russian Thistle	200	Not applicable	Surveillance

Site BIO S0200 (Map Panel 111) contains the following Project features:

- Helicopter Landing Zone: LZ_162
- Tower Work: M151-T1 SWA
- Wire Setup: M151-T1 STR-AS1
- Wire Setup: M151-T1 STR-BS1

Table A-141 shows the weed species present in Site BIO S0200.

Table A-141 Weed Species Present in Site BIO S0200

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0201 (Map Panel 112) contains the following Project features:

- Helicopter Landing Zone: LZ_164

Table A-142 shows the weed species present in Site BIO S0201.

Table A-142 Weed Species Present in Site BIO S0201

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0202 (Map Panel 113) contains the following Project features:

- Helicopter Landing Zone: LZ_165

Table A-143 shows the weed species present in Site BIO S0202.

Table A-143 Weed Species Present in Site BIO S0202

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0203 (Map Panel 113) contains the following Project features:

- Tower Work: M154-T3 SWA
- Wire Setup: M154-T3 STR-AS1
- Wire Setup: M154-T3 STR-BS2

Table A-144 shows the weed species present in Site BIO S0203.

Table A-144 Weed Species Present in Site BIO S0203

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0204 (Map Panel 114) contains the following Project features:

- Helicopter Landing Zone: LZ_166

Table A-145 shows the weed species present in Site BIO S0204.

Table A-145 Weed Species Present in Site BIO S0204

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0205 (Map Panel 173) contains the following Project features:

- Helicopter Landing Zone: LZ_183
- Tower Work: M97-T1 SWA

Table A-146 shows the weed species present in Site BIO S0205.

Table A-146 Weed Species Present in Site BIO S0205			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0208 (Map Panel 115) contains the following Project features:

- Tower Work: M157-T1 SWA
- Wire Setup: M157-T1 STR-AS1
- Wire Setup: M157-T1 STR-BS1

Table A-147 shows the weed species present in Site BIO S0208.

Table A-147 Weed Species Present in Site BIO S0208			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0209 (Map Panel 116) contains the following Project features:

- Helicopter Landing Zone: LZ_168

Table A-148 shows the weed species present in Site BIO S0209.

Table A-148 Weed Species Present in Site BIO S0209			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0210 (Map Panel 117) contains the following Project features:

- Guard Structure Area: GS28
- Guard Structure Area: GS29
- Tower Work: M160-T2 SWA
- Wire Setup: M160-T2 STR-AS1
- Wire Setup: M160-T2 STR-BS1

Table A-149 shows the weed species present in Site BIO S0210.

Table A-149 Weed Species Present in Site BIO S0210			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0211 (Map Panel 172) contains the following Project features:

- Helicopter Landing Zone: LZ_184

Table A-150 shows the weed species present in Site BIO S0211.

Table A-150 Weed Species Present in Site BIO S0211			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	5	1	Surveillance
Russian Thistle	Ubiquitous	Not applicable	Surveillance

Site BIO S0212 (Map Panel 118) contains the following Project features:

- Foot Access: M136-T4-TP
- Foot Access: M136-T4-TP2
- Site Access: M163-T4 SA-AS1
- Tower Work: M163-T4 SWA
- Wire Setup: M163-T4 STR-AS1
- Wire Setup: M163-T4 STR-BS1

Table A-151 shows the weed species present in Site BIO S0212.

Table A-151 Weed Species Present in Site BIO S0212			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0213 (Map Panel 119) contains the following Project features:

- Tower Work: M167-T1 SWA
- Wire Setup: M167-T1 STR-AS1
- Wire Setup: M167-T1 STR-BS1

Table A-152 shows the weed species present in Site BIO S0146.

Table A-152 Weed Species Present in Site BIO S0213			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0214 (Map Panel 120) contains the following Project features:

- Helicopter Landing Zone: LZ_169

Table A-153 shows the weed species present in Site BIO S0214.

Table A-153 Weed Species Present in Site BIO S0214			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0216 (Map Panel 121) contains the following Project features:

- Foot Access: M170-T4-TP
- Foot Access: M170-T4-TP2
- Helicopter Landing Zone: LZ_171
- Tower Work: M170-T1 SWA
- Wire Setup 1A: M170-T1 STR-AS1
- Wire Setup 1B: M170-T1 STR-AS1B
- Wire Setup: M170-T1 STR-BS1

Table A-154 shows the weed species present in Site BIO S0216.

Table A-154 Weed Species Present in Site BIO S0216

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0217 (Map Panel 122) contains the following Project features:

- Helicopter Landing Zone: LZ_171B

Table A-155 shows the weed species present in Site BIO S0217.

Table A-155 Weed Species Present in Site BIO S0217

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance
Asian Mustard	10	25	Containment

Site BIO S0218 (Map Panel 123) contains the following Project features:

- Helicopter Landing Zone: LZ_175

Table A-156 shows the weed species present in Site BIO S0218.

Table A-156 Weed Species Present in Site BIO S0218

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0219 (Map Panel 123) contains the following Project features:

- Helicopter Landing Zone: LZ_176

Table A-157 shows the weed species present in Site BIO S0219.

Table A-157 Weed Species Present in Site BIO S0219

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0220 (Map Panel 124) contains the following Project features:

- Helicopter Landing Zone: LZ_177

Table A-158 shows the weed species present in Site BIO S0220.

Table A-158 Weed Species Present in Site BIO S0220

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

A3.5.2 Weed Zone 5 Weed Species and Risk Assessment

Table A-159 presents the risk assessment for Weed Zone 5.

Table A-159 Risk Assessment for Weed Zone 5

Common Name	*Scientific Name*	CAL-IPC Status	Noxious Weed Status	Bureau of Land Management Risk Rating Factor 1/ Factor 2	Final Risk Rating and Action
Asian Mustard	*Brassica tournefortii*	High	B (NV)	Moderate/High	High
Cheatgrass	*Bromus tectorum*	High		Moderate/Moderate	Moderate
Red Brome	*Bromus madritensis ssp. rubens*	High		Moderate/Moderate	Moderate
Redstem Stork's Bill	*Erodium cicutarium*	Limited		Moderate/Moderate	Moderate
Russian Thistle	Salsola tragus	Limited	C (CA)	Moderate/Moderate	Moderate
Mediterranean Grass	*Schismus* sp.	Limited		Moderate/Moderate	Moderate
London Rocket	Sisymbrium irio	Limited		Moderate/Moderate	Moderate

A3.6 Weed Zone 6: start Mohave Substation, end Eldorado Substation

A3.6.1 Weed Zone 6 Infestations

Site BIO S0222 contains the following Project features:

- Guard Structure Area: GS26
- Access Road Surface: MOH-AR
- Foot Access: M173-T2-TP
- Foot Access: M173-T2-TP2
- Guard Structure Area: GS24
- Guard Structure Area: GS25
- Guard Structure Area: GS27
- Helicopter Landing Zone: LZ_179
- Helicopter Landing Zone: LZ_180
- Helicopter Landing Zone: LZ_181
- Mohave Substation
- Mohave Substation 2
- Mohave Yard

- Substation: Mohave Parking
- Substation: Substation (Mohave)
- Telecommunication: Mohave - WA1
- Telecommunication: Mohave - WA2
- Telecommunication: Pull Site 1
- Telecommunication: Pull Site 10
- Telecommunication: Pull Site 11
- Telecommunication: Pull Site 2
- Telecommunication: Pull Site 3
- Telecommunication: Pull Site 4
- Telecommunication: Pull Site 5
- Telecommunication: Pull Site 6
- Telecommunication: Pull Site 7
- Telecommunication: Pull Site 8
- Telecommunication: Pull Site 9
- Tower Work: M173-T2 SWA
- Tower Work: M2-T1 SWA
- Wire Setup: M173-T2 STR-BS2
- Wire Setup: M2-T1 STR-AS1
- Wire Setup: M2-T1 STR-BS1

Table A-160 shows the weed species present in Site BIO S0222.

Table A-160 Weed Species Present in Site BIO S0222

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0223 (Map Panel 125) contains the following Project features:

- Helicopter Landing Zone: LZ_178

Table A-161 shows the weed species present in Site BIO S0223.

Table A-161 Weed Species Present in Site BIO S0223

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0224 (Map Panel 129) contains the following Project features:

- Helicopter Landing Zone: LZ_189

Table A-162 shows the weed species present in Site BIO S0224.

Table A-162 Weed Species Present in Site BIO S0224			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0225 (Map Panel 133) contains the following Project features:

- Helicopter Landing Zone: LZ_193

Table A-163 shows the weed species present in Site BIO S0225.

Table A-163 Weed Species Present in Site BIO S0225			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0226 (Map Panel 127) contains the following Project features:

- Helicopter Landing Zone: LZ_186

Table A-164 shows the weed species present in Site BIO S0226.

Table A-164 Weed Species Present in Site BIO S0226			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Cheatgrass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0227 (Map Panel 134) contains the following Project features:

- Guard Structure Area: GS19

Table A-165 shows the weed species present in Site BIO S0227.

Table A-165 Weed Species Present in Site BIO S0227			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0228 (Map Panel 126) contains the following Project features:

- Foot Access: M4-T1-TP
- Guard Structure Area: GS22
- Guard Structure Area: GS23

- Tower Work: M4-T1 FNDN
- Tower Work: M4-T1 SWA
- Wire Setup: M4-T1 STR-AS1
- Wire Setup: M4-T1 STR-BS1

Table A-166 shows the weed species present in Site BIO S0228.

Table A-166 Weed Species Present in Site BIO S0228

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Wild Oat	2	10	Containment

Site BIO S0229 (Map Panel 132) contains the following Project features:

- Helicopter Landing Zone: LZ_192

Table A-167 shows the weed species present in Site BIO S0229.

Table A-167 Weed Species Present in Site BIO S0229

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0230 (Map Panel 131) contains the following Project features:

- Foot Access: M9-T3-TP
- Tower Work: M9-T3 SWA
- Wire Setup: M9-T3 STR-AS1
- Wire Setup: M9-T3 STR-BS1

Table A-168 shows the weed species present in Site BIO S0230.

Table A-168 Weed Species Present in Site BIO S0230

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0231 (Map Panel 130) contains the following Project features:

- Helicopter Landing Zone: LZ_188

Table A-169 shows the weed species present in Site BIO S0231.

Table A-169 Weed Species Present in Site BIO S0231

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0232 (Map Panel 131) contains the following Project features:

- Helicopter Landing Zone: LZ_190

Table A-170 shows the weed species present in Site BIO S0232.

Table A-170 Weed Species Present in Site BIO S0232

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0233 (Map Panel 127) contains the following Project features:

- Guard Structure Area: GS20
- Guard Structure Area: GS21

Table A-171 shows the weed species present in Site BIO S0233.

Table A-171 Weed Species Present in Site BIO S0233

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0234 (Map Panel 132) contains the following Project features:

- Helicopter Landing Zone: LZ_191

Table A-172 shows the weed species present in Site BIO S0234.

Table A-172 Weed Species Present in Site BIO S0234

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0235 (Map Panel 127) contains the following Project features:

- Helicopter Landing Zone: LZ_185

Table A-173 shows the weed species present in Site BIO S0235.

Table A-173 Weed Species Present in Site BIO S0235

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0236 (Map Panel 130) contains the following Project features:

- Helicopter Landing Zone: LZ_187

Table A-174 shows the weed species present in Site BIO S0236.

Table A-174 Weed Species Present in Site BIO S0236			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0237 (Map Panel 128) contains the following Project features:

- Tower Work: M6-T2 SWA
- Wire Setup: M6-T2 STR-AS1
- Wire Setup: M6-T2 STR-BS1

Table A-175 shows the weed species present in Site BIO S0237.

Table A-175 Weed Species Present in Site BIO S0237			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0238 (Map Panel 135) contains the following Project features:

- Tower Work: M13-T1 SWA
- Wire Setup: M13-T1 STR-AS1
- Wire Setup: M13-T1 STR-BS1

Table A-176 shows the weed species present in Site BIO S0238.

Table A-176 Weed Species Present in Site BIO S0238			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0239 (Map Panel 136) contains the following Project features:

- Guard Structure Area: GS17
- Guard Structure Area: GS18

Table A-177 shows the weed species present in Site BIO S0239.

Table A-177 Weed Species Present in Site BIO S0239			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0240 (Map Panel 137) contains the following Project features:

- Helicopter Landing Zone: LZ_194
- Tower Work: M16-T3 SWA
- Wire Setup: M16-T3 STR-AS1
- Wire Setup: M16-T3 STR-BS1

Table A-178 shows the weed species present in Site BIO S0240.

Table A-178 Weed Species Present in Site BIO S0240

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0241 (Map Panel 138) contains the following Project features:

- Helicopter Landing Zone: LZ_195

Table A-179 shows the weed species present in Site BIO S0241.

Table A-179 Weed Species Present in Site BIO S0241

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0242 (Map Panel 139) contains the following Project features:

- Helicopter Landing Zone: LZ_196

Table A-180 shows the weed species present in Site BIO S0242.

Table A-180 Weed Species Present in Site BIO S0242

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0243 (Map Panel 140) contains the following Project features:

- Tower Work: M19-T3 SWA
- Wire Setup: M19-T3 STR-AS1
- Wire Setup: M19-T3 STR-BS1

Table A-181 shows the weed species present in Site BIO S0243.

Table A-181 Weed Species Present in Site BIO S0243			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0244 (Map Panel 141) contains the following Project features:

- Guard Structure Area: GS16

Table A-182 shows the weed species present in Site BIO S0244.

Table A-182 Weed Species Present in Site BIO S0244			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0245 (Map Panel 142) contains the following Project features:

- Helicopter Landing Zone: LZ_197

Table A-183 shows the weed species present in Site BIO S0245.

Table A-183 Weed Species Present in Site BIO S0245			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0246 (Map Panel 143) contains the following Project features:

- Tower Work: M23-T1 SWA
- Wire Setup: M23-T1 STR-AS1
- Wire Setup: M23-T1 STR-BS1

Table A-184 shows the weed species present in Site BIO S0246.

Table A-184 Weed Species Present in Site BIO S0246			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	10	50	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0247 (Map Panel 144) contains the following Project features:

- Tower Work: M26-T2 SWA
- Wire Setup: M26-T2 STR-AS1
- Wire Setup: M26-T2 STR-BS1

Table A-185 shows the weed species present in Site BIO S0247.

Table A-185 Weed Species Present in Site BIO S0247			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0248 (Map Panel 145) contains the following Project features:

- Helicopter Landing Zone: LZ_198

Table A-186 shows the weed species present in Site BIO S0248.

Table A-186 Weed Species Present in Site BIO S0248			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0249 (Map Panel 146) contains the following Project features:

- Helicopter Landing Zone: LZ_199

Table A-187 shows the weed species present in Site BIO S0249.

Table A-187 Weed Species Present in Site BIO S0249			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0251 (Map Panel 147) contains the following Project features:

- Guard Structure Area: GS14
- Guard Structure Area: GS15

Table A-188 shows the weed species present in Site BIO S0251.

Table A-188 Weed Species Present in Site BIO S0251			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	150	1000	Containment
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0252 (Map Panel 148) contains the following Project features:

- Tower Work: M29-T4 SWA
- Wire Setup: M29-T4 STR-AS1
- Wire Setup: M29-T4-STR-BS1

Table A-189 shows the weed species present in Site BIO S0252.

Table A-189 Weed Species Present in Site BIO S0252			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	50	1000	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0253 (Map Panel 149) contains the following Project features:

- Guard Structure Area: GS10
- Guard Structure Area: GS11
- Guard Structure Area: GS12
- Guard Structure Area: GS13
- Helicopter Landing Zone: LZ_201

Table A-190 shows the weed species present in Site BIO S0253.

Table A-190 Weed Species Present in Site BIO S0253			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0254 (Map Panel 150) contains the following Project features:

- Site Access: M33-T2 SA-AS1
- Site Access: M33-T2 SA-BS1
- Tower Work: M33-T2 SWA
- Wire Setup: M33-T2 STR-AS1
- Wire Setup: M33-T2 STR-BS1

Table A-191 shows the weed species present in Site BIO S0254.

Table A-191 Weed Species Present in Site BIO S0254			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0255 (Map Panel 151) contains the following Project features:

- Guard Structure Area: GS08

Guard Structure Area: GS09Table A-192 shows the weed species present in Site BIO S0255.

Table A-192 Weed Species Present in Site BIO S0255			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0256 (Map Panel 152) contains the following Project features:

- Guard Structure Area: GS06
- Guard Structure Area: GS07
- Helicopter Landing Zone: LZ_203

Table A-193 shows the weed species present in Site BIO S0256.

Table A-193 Weed Species Present in Site BIO S0256

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0257 (Map Panel 153) contains the following Project features:

- Guard Structure Area: GS04
- Guard Structure Area: GS05

Table A-194 shows the weed species present in Site BIO S0257.

Table A-194 Weed Species Present in Site BIO S0257

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0258 (Map Panel 154) contains the following Project features:

- Foot Access: M36-T4-TP
- Helicopter Landing Zone: LZ_206
- Site Access: M36-T4 SA-AS1
- Site Access: M36-T4 SA-BS1
- Tower Work: M36-T4 SWA
- Wire Setup: M36-T4 STR-AS1
- Wire Setup: M36-T4 STR-BS1

Table A-195 shows the weed species present in Site BIO S0258.

Table A-195 Weed Species Present in Site BIO S0258

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0259 (Map Panel 155) contains the following Project features:

- Helicopter Landing Zone: LZ_207

Table A-196 shows the weed species present in Site BIO S0259.

Table A-196 Weed Species Present in Site BIO S0259			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0260 (Map Panel 156) contains the following Project features:

- Helicopter Landing Zone: LZ_209

Table A-197 shows the weed species present in Site BIO S0260.

Table A-197 Weed Species Present in Site BIO S0260			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0261 (Map Panel 157) contains the following Project features:

- Helicopter Landing Zone: LZ_210

Table A-198 shows the weed species present in Site BIO S0261.

Table A-198 Weed Species Present in Site BIO S0261			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0262 (Map Panel 158) contains the following Project features:

- Foot Access: M40-T1-TP
- Foot Access: M40-T1-TP2
- Foot Access: M40-T1-TP3
- Tower Work: M40-T1 SWA
- Wire Setup: M40-T1 STR-AS1
- Wire Setup: M40-T1 STR-BS1

Table A-199 shows the weed species present in Site BIO S0262.

Table A-199 Weed Species Present in Site BIO S0262			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0263 (Map Panel 159) contains the following Project features:

- Helicopter Landing Zone: LZ_211

Table A-200 shows the weed species present in Site BIO S0263.

Table A-200 Weed Species Present in Site BIO S0263			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0264 (Map Panels 159-160) contains the following Project features:

- Helicopter Landing Zone: LZ_212

Table A-201 shows the weed species present in Site BIO S0264.

Table A-201 Weed Species Present in Site BIO S0264			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0265 (Map Panel 160) contains the following Project features:

- Helicopter Landing Zone: LZ_213

Table A-202 shows the weed species present in Site BIO S0265.

Table A-202 Weed Species Present in Site BIO S0265			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0266 (Map Panel 161) contains the following Project features:

- Helicopter Landing Zone: LZ_215

Table A-202 shows the weed species present in Site BIO S0266.

Table A-203 Weed Species Present in Site BIO S0266			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0267 (Map Panel 162) contains the following Project features:

- Foot Access: M43-T3-TP
- Foot Access: M43-T3-TP2
- Tower Work: M43-T3 SWA
- Wire Setup: M43-T3 STR-AS1
- Wire Setup: M43-T3 STR-BS1

Table A-204 shows the weed species present in Site BIO S0267.

Table A-204 Weed Species Present in Site BIO S0267			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0268 (Map Panel 163) contains the following Project features:

- Helicopter Landing Zone: LZ_214

Table A-205 shows the weed species present in Site BIO S0268.

Table A-205 Weed Species Present in Site BIO S0268			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0269 (Map Panel 164) contains the following Project features:

- Foot Access: M46-T3-TP
- Tower Work: M46-T3 SWA
- Wire Setup: M46-T3 STR-AS1
- Wire Setup: M46-T3 STR-BS1

Table A-206 shows the weed species present in Site BIO S0269.

Table A-206 Weed Species Present in Site BIO S0269			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0270 (Map Panel 165) contains the following Project features:

- Helicopter Landing Zone: LZ_216

Table A-207 shows the weed species present in Site BIO S0270.

Table A-207 Weed Species Present in Site BIO S0270			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0271 (Map Panel 166) contains the following Project features:

- Tower Work: M49-T4 SWA
- Tower Work: M49-T5 SWA

- Wire Setup: M49-T4 STR-AS1
- Wire Setup: M49-T4 STR-BS1

Table A-208 shows the weed species present in Site BIO S0271.

Table A-208 Weed Species Present in Site BIO S0271

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0272 (Map Panel 167) contains the following Project features:

- Helicopter Landing Zone: LZ_217

Table A-209 shows the weed species present in Site BIO S0272.

Table A-209 Weed Species Present in Site BIO S0272

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0273 (Map Panel 168) contains the following Project features:

- Helicopter Landing Zone: LZ_218

Table A-210 shows the weed species present in Site BIO S0273.

Table A-210 Weed Species Present in Site BIO S0273

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0274 (Map Panel 169) contains the following Project features:

- Foot Access: M53-T1-TP1
- Foot Access: M53-T1-TP2
- Guard Structure Area: GS01
- Guard Structure Area: GS02
- Guard Structure Area: GS03
- Helicopter Landing Zone: LZ_219
- Tower Work: M53-T1 SWA
- Tower Work: M53-T2 SWA
- Wire Setup: M53-T1 STR-AS1
- Wire Setup: M53-T1 STR-BS1

Table A-211 shows the weed species present in Site BIO S0274.

Table A-211 Weed Species Present in Site BIO S0274			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0276 (Map Panel 170) contains the following Project features:

- Helicopter Landing Zone: LZ_220

Table A-212 shows the weed species present in Site BIO S0276.

Table A-212 Weed Species Present in Site BIO S0276			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0277 (Map Panels 170-171) contains the following Project features:

- Eldorado Substation
- Eldorado Substation 2
- Eldorado Yard
- Helicopter Landing Zone: LZ_221
- Helicopter Landing Zone: LZ_222
- South Eldorado Substation
- Substation: Eldorado Parking
- Substation: Substation (Eldorado)
- Telecommunication: Eldorado - TPTS1
- Telecommunication: Eldorado - TPTS2
- Telecommunication: Eldorado - TPTS3
- Telecommunication: Eldorado - TPTS4
- Telecommunication: Eldorado Sub

Table A-213 shows the weed species present in Site BIO S0277.

Table A-213 Weed Species Present in Site BIO S0277			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Asian Mustard	5	5	Containment

A3.6.2 Weed Zone 6 Weed Species and Risk Assessment

Table A-214 presents the risk assessment for Weed Zone 6.

Table A-214 Risk Assessment for Weed Zone 6					
Common Name	***Scientific Name***	**CAL-IPC Status**	**Noxious Weed Status**	**Bureau of Land Management Risk Rating Factor 1/ Factor 2**	**Final Risk Rating and Action**
Wild Oats	*Avena fatua*	Moderate		Moderate/Moderate	Moderate
Asian Mustard	*Brassica tournefortii*	High	B (NV)	Moderate/High	High

Table A-214 Risk Assessment for Weed Zone 6					
Common Name	***Scientific Name***	**CAL-IPC Status**	**Noxious Weed Status**	**Bureau of Land Management Risk Rating Factor 1/ Factor 2**	**Final Risk Rating and Action**
Cheatgrass	*Bromus tectorum*	High		Moderate/Moderate	Moderate
Red Brome	*Bromus madritensis rubens*	High		Moderate/Moderate	Moderate
Redstem Stork's Bill	*Erodium cicutarium*	Limited		Moderate/Moderate	Moderate
Mediterranean Grass	*Schismus* sp.	Limited		Moderate/Moderate	Moderate

[Placeholder for map panel series provided as a separate pdf will be inserted here.]

This page intentionally left blank.

Appendix B. Potential Weed Species

This page intentionally left blank.

B1 INTRODUCTION

Appendix B provides a list of invasive plant species reported from San Bernardino County, California, and Clark County, Nevada. County distribution is based on multiple sources, such as the U.S. Department of Agriculture PLANTS database, California Invasive Plant Council website, Calflora, and others. Because these public data sources are based only on results reported to them and are not assumed to provide comprehensive data, the county distribution in Appendix B may be incomplete.

Appendix A presents the results of baseline weed surveys conducted to identify the presence and distribution of weed species in the project area. This Plan presents methods for addressing weed species that occur in the project area. Appendix A functions as a reference in the event that weed species not previously detected are observed during future weed inventories.

The list includes the following categories of invasive plants:

- California Department of Food and Agriculture noxious weed categories A, B, C, Q
- Nevada Department of Agriculture noxious weed categories A, B, C
- U.S. Department of Agriculture noxious weeds
- California Invasive Plant Council listed weeds

Appendix B separates the weed lists into three categories: (a) trees and shrubs (Table B-1), (b) herbaceous annuals and perennials (Table B-2), and (c) grasses (Table B-3).

Appendix A provides preliminary objectives for each species of weed. However, these objectives are guidelines, and site-specific treatment determinations will be based on the risk assessment rating, as described in the Integrated Weed Management Plan.

- **Surveillance** – Generally appropriate for ubiquitous weeds that cannot be feasibly treated. Project activities will be conducted in a manner that is not anticipated to worsen or spread infestations of these species.
- **Containment** – Generally appropriate for species that are not ubiquitous but may be present in infestations prior to Project construction and are too widespread for feasible eradication. Measures will be implemented to ensure that Project activities do not worsen or spread infestations of these species.
- **Eradication** – Generally appropriate for species that are likely to be present in discrete infestations that can feasibly be fully eradicated.

Table B-1 Trees and Shrubs										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Cootamundra Wattle	*Acacia baileyana*	Watch		●		-		X		Eradication
Silver Wattle	*Acacia dealbata*	Moderate		●	–	–		X		Eradication
Eupatory	*Ageratina adenophora*	Moderate			Q	–	X	X		Containment
Tree-Of-Heaven	*Ailanthus altissima*	Moderate		●	C	–		X		Containment
Australian Saltbush	*Atriplex semibaccata*	Moderate		●	–	–		X		Containment
Beach Sheoak	*Casuarina equisetifolia*	Watch		●		–		X		Eradication
Silverleaf Cotoneaster	*Cotoneaster pannosus*	Moderate		●	–	–		X		Containment
Scotch Broom	*Cytisus scoparius*	High		●	C	–		X		Containment
Portuguese Broom	*Cytisus striatus*	Moderate		●	–	–		X		Eradication
Russian Olive	*Elaeagnus angustifolia*	Moderate		●	–	–		X	X	Containment
Red Gum	*Eucalyptus camaldulensis*	Limited		●	–	–		X		Surveillance
Sugargum	*Eucalyptus cladocalyx*	Watch		●		–		X		Eradication
Blue Gum	*Eucalyptus globulus*	Limited		●	–	–		X		Containment
Edible Fig	*Ficus carica*	Moderate		●	–	–		X		Containment
French Broom	*Genista monspessulana*	High		●	C	–		X		Containment
Silkoak	*Grevillea robusta*	Watch		●		–		X		Surveillance
Sweet-Amber	*Hypericum androsaemum*	Watch		●		–		X		Containment
Lantana	*Lantana camara*	Watch		●		–		X		Eradication
Glossy Privet	*Ligustrum lucidum*	Limited			–	–		X		Surveillance
Olive	*Olea europaea*	Limited		●	–	–		X		Surveillance
Canary Island Date Palm	*Phoenix canariensis*	Limited		●	–	–		X		Surveillance
Cherry Plum	*Prunus cerasifera*	Limited		●	–	–		X		Surveillance
Nepalese Firethorn	*Pyracantha crenulata*	Limited			–	–		X		Eradication
Castor Bean	*Ricinus communis*	Limited		●	–	–		X		Surveillance
Black Locust	*Robinia pseudoacacia*	Limited		●	–	–		X		Surveillance

Table B-1 Trees and Shrubs										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Himalayan Blackberry	*Rubus armeniacus*	High		●	–	–		X	X	Containment
Bouncing-Bet	*Saponaria officinalis*	Limited		●	–	–		X		Surveillance
Peruvian Pepper Tree	*Schinus molle*	Limited		●	–	–		X		Surveillance
Brazilian Pepper Tree	*Schinus terebinthifolius*	Moderate	●	●	–	–		X		Containment
Spanish Broom	*Spartium junceum*	High		●	C	–		X		Containment
Athel	*Tamarix aphylla*	Limited		●	–	C		X	X	Surveillance
Chinese Tamarisk	*Tamarix chinensis*	High			X	C		X	X	Surveillance
French Tamarisk	*Tamarix gallica*	High			X	C		X		Containment
Smallflower Tamarisk	*Tamarix parviflora*	High		●	B	C		X	X	Containment
Saltcedar	*Tamarix ramosissima*	High		●	B	C		X	X	Containment
Chinese Tallow Tree	*Triadica sebifera*	Moderate	●	●	–	–		X		Containment
Mexican Fan Palm	*Washingtonia robusta*	Moderate	●	●	–	–		X		Containment
Syrian Beancaper	*Zygophyllum fabago*	Watch			A	A		X		Eradication
NOTE: [1]Noxious Weed Status Definitions: A, B, and C: Noxious weed category. Q: Quarantine. X: Designated noxious weed with no specific category.										

Table B-2 Herbaceous Annuals and Perennials										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Russian Knapweed	*Acroptilon repens*	Moderate			B	B		X	X	Containment
Eupatory	*Ageratina adenophora*	Moderate			Q	–	X	X		Containment
Camelthorn	*Alhagi maurorum*	Moderate			A	A		X	X	Containment
Alligatorweed	*Alternanthera philoxeroides*	High			A	–		X		Containment
Mayweed Chamomile	*Anthemis cotula*	–			–	A		X		Eradication

Table B-2 Herbaceous Annuals and Perennials										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Bladderflower	*Araujia sericifera*	Watch		●	X	–	B	X		Eradication
Capeweed	*Arctotheca prostrata*	Moderate		●	–	–		X		Containment
Giant Reed	*Arundo donax*	High		●	B	A		X	X	Containment
Bridal Creeper	*Asparagus asparagoides*	Moderate	●	●	–	–		X		Containment
Onionweed	*Asphodelus fistulosus*	Moderate	●	●	Q	–	X	X		Containment
Five-Hook Bassia	*Bassia hyssopifolia*	Limited			–	–		X	X	Surveillance
Hoary Alyssum	*Berteroa incana*	Watch			X	–		X		Surveillance
Black Mustard	*Brassica nigra*	Moderate				–		X	X	Containment
Field Mustard	*Brassica rapa*	Limited			–	–		X	X	Surveillance
Asian Mustard	*Brassica tournefortii*	High			–	B		X	X	Containment
Heart-Podded Hoarycress	*Cardaria (syn. Lepidium) draba*	Moderate			B	C		X		Surveillance
Musk Thistle	*Carduus nutans*	Moderate			A	B		X		Containment
Italian Thistle	*Carduus pycnocephalus*	Moderate			C	–		X		Containment
Slenderflower Thistle	*Carduus tenuiflorus*	Limited			C	–		X		Surveillance
Highway Iceplant	*Carpobrotus edulis*	High		●	–	–		X		Containment
Madagascar Periwinkle	*Catharanthus roseus*	Watch		●		–		X		Surveillance
Purple Starthistle	*Centaurea calcitrapa*	Moderate			B	A		X		Containment
Diffuse Knapweed	*Centaurea diffusa*	Moderate			A	B		X	X	Containment
Tocalote	*Centaurea melitensis*	Moderate			C	A		X	X	Containment
Yellow Starthistle	*Centaurea solstitialis*	High			C	A		X		Containment
Spotted Knapweed	*Centaurea stoebe (syn. maculosa and biebersteinii)*	High			A	A		X	X	Containment
Skeleton Weed	*Chondrilla juncea*	Moderate			A	A		X		Surveillance

Table B-2 Herbaceous Annuals and Perennials										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Water Hemlock	*Cicuta maculata*	-			–	C		X		Surveillance
Canada Thistle	*Cirsium arvense*	Moderate			B	C		X		Surveillance
Bull Thistle	*Cirsium vulgare*	Moderate			C	–		X		Containment
Poison-Hemlock	*Conium maculatum*	Moderate			–	C		X		Containment
Common Brassbuttons	*Cotula coronopifolia*	Limited		●	–	–		X		Surveillance
Artichoke Thistle	*Cynara cardunculus*	Moderate		●	B	–		X		Containment
Cape-Ivy	*Delairea odorata*	High		●	B	–		X		Containment
Tansy Mustard	*Descurainia sophia*	Limited			–	–		X		Surveillance
Common Teasel	*Dipsacus fullonum*	Moderate		●	–	–		X		Eradication
Fullers Teasel	*Dipsacus sativus*	Moderate			–	–		X		Containment
Stinkwort	*Dittrichia graveolens*	Moderate	●		A	–		X		Eradication
Water Hyacinth	*Eichhornia crassipes*	High		●	C	–		X		Containment
Redstem Stork's Bill	*Erodium cicutarium*	Limited		●	–	–		X	X	Surveillance
Leafy Spurge	*Euphorbia virgata*	High			A	–		X		Surveillance
Fennel	*Foeniculum vulgare*	High		●	–	–		X		Containment
Gazania	*Gazania linearis*	Moderate	●	●	–	–		X		Containment
Cutleaf Geranium	*Geranium dissectum*	Limited			–	–		X		Eradication
Garland Chrysanthemum	*Glebionis coronaria*	Limited			–	–		X		Surveillance
Halogeton	*Halogeton glomeratus*	Moderate			A	–		X	X	Containment
Algerian Ivy	*Hedera canariensis*	High		●	–	–		X		Containment
English Ivy	*Hedera helix*	High		●	–	–		X		Containment
Bristly Ox-Tongue	*Helminthotheca echioides*	Limited			–	–		X		Surveillance
Short-Pod Mustard	*Hirschfeldia incana*	Moderate		●	–	–		X		Containment
Hydrilla	*Hydrilla verticillata*	High			A	A	X	X	X	Eradication

Table B-2 Herbaceous Annuals and Perennials										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Sweet-Amber	*Hypericum androsaemum*	Watch		●		–		X		Containment
Smooth Cat's-Ear	*Hypochaeris glabra*	Limited			–	–		X		Surveillance
Rough Cat's-Ear	*Hypochaeris radicata*	Moderate				–		X		Surveillance
Blue Morningglory	*Ipomoea indica*	Watch		●		–		X		Containment
Yellowflag Iris	*Iris pseudacorus*	Limited		●	B	–		X		Surveillance
Kochia	*Kochia (syn. Bassia) scoparia*	Limited		●	–	–		X	X	Containment
Globe-Podded Hoarycress	*Lepidium appelianum*	-			X	–		X	X	Containment
Lens-Podded Hoary Cress	*Lepidium chalepense*	Moderate	●		B	–		X		Containment
Perennial Pepperweed	*Lepidium latifolium*	High			B	C		X	X	Containment
Ox-Eye Daisy	*Leucanthemum vulgare*	Moderate		●		–		X		Surveillance
European Sea Lavender	*Limonium duriusculum*	Moderate			–	–		X		Containment
Dalmatian Toadflax	*Linaria dalmatica ssp. dalmatica*	Moderate			A	A		X	X	Containment
Sweet Alyssum	*Lobularia maritima*	Limited		●	–	–		X		Surveillance
Floating Water Primrose	*Ludwigia peploides*	High		●	–	–		X		Surveillance
Hyssop Loosestrife	*Lythrum hyssopifolium*	Moderate			–	–		X		Surveillance
Purple Loosestrife	*Lythrum salicaria*	High		●	B	A		X	X	Eradication
Coppery Mesembryanthemum	*Malephora crocea*	Watch		●		–		X		Surveillance
Horehound	*Marrubium vulgare*	Limited		●	–	–		X		Surveillance
California Burclover	*Medicago polymorpha*	Limited			–	–		X		Surveillance

Table B-2 Herbaceous Annuals and Perennials										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Pennyroyal	*Mentha pulegium*	Moderate		●	–	–		X		Eradication
Crystalline Iceplant	*Mesembryanthemum crystallinum*	Moderate	●	●	–	–		X		Eradication
Slenderleaf Iceplant	*Mesembryanthemum nodiflorum*	Limited				–		X		Surveillance
Parrotfeather	*Myriophyllum aquaticum*	High		●	–	–		X		Containment
Spike Watermilfoil	*Myriophyllum spicatum*	High			–	A		X	X	Containment
Tree Tobacco	*Nicotiana glauca*	Moderate		●	–	–		X	X	Containment
Stinknet (Globe Chamomile)	*Oncosiphon piluliferum*	Watch				–		X		Containment
Scotch Thistle	*Onopordum acanthium*	High		●	A	B		X	X	Eradication
Bermuda Buttercup	*Oxalis pes-caprae*	Moderate			–	–		X		Containment
African-Rue	*Peganum harmala*	Watch		●	A	A		X	X	Eradication
Common Pokeweed	*Phytolacca americana*	Limited		●	–	–		X		Surveillance
English Plantain	*Plantago lanceolata*	Limited		●	–	–		X		Surveillance
Curly-Leaved Pondweed	*Potamogeton crispus*	Moderate			–	–		X		Containment
Wild Radish	*Raphanus sativus*	Limited			–	–		X		Surveillance
Sheep Sorrel	*Rumex acetosella*	Moderate		●	–	–		X		Containment
Curly Dock	*Rumex crispus*	Limited			–	–		X	X	Surveillance
Lily of the Valley Vine	*Salpichroa origanifolia*	Watch				–		X		Surveillance
Barbwire Russian Thistle	*Salsola paulsenii*	Limited			C	–		X	X	Surveillance
Ryan's Russian Thistle	*Salsola ryanii*	Watch				–		X		Surveillance

Table B-2 Herbaceous Annuals and Perennials										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Russian Thistle	*Salsola tragus*	Limited			C	–		X	X	Surveillance
Mediterranean Sage	*Salvia aethiopis*	Limited		●	B	A			X	Surveillance
Bouncing-Bet	*Saponaria officinalis*	Limited		●	–	–		X		Surveillance
Scarlet Wisteria	*Sesbania punicea*	High		●	B	–		X		Surveillance
Milk Thistle	*Silybum marianum*	Limited		●	–	–		X		Surveillance
Wild Mustard	*Sinapis arvensis*	Limited			–	–		X		Surveillance
London Rocket	*Sisymbrium irio*	Limited			–	–		X	X	Containment
White Horsenettle	*Solanum elaeagnifolium*	-			B	B		X	X	Containment
Common Tansy	*Tanacetum vulgare*	Moderate		●	–	–		X		Containment
Puncture Vine	*Tribulus terrestris*	Limited			C	C		X	X	Surveillance
Rose Clover	*Trifolium hirtum*	Limited			–	–		X		Containment
Woolly Mullein	*Verbascum thapsus*	Limited		●	–	–		X	X	Surveillance
Periwinkle	*Vinca major*	Moderate		●	–	–		X		Containment
Calla Lily	*Zantedeschia aethiopica*	Limited		●	–	–		X		Surveillance
Syrian Beancaper	*Zygophyllum fabago*	Watch			A	A		X		Eradication
NOTE: [1]Noxious Weed Status Definitions: A, B, and C: Noxious weed category. Q: Quarantine. X: Designated noxious weed with no specific category.										

Table B-3 Grasses										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Jointed Goatgrass	*Aegilops cylindrica*	Watch			X	–	B	X		Surveillance
Barb Goatgrass	*Aegilops triuncialis*	High			B	–		X		Surveillance
Creeping Bent	*Agrostis stolonifera*	Limited		●	–	–		X		Surveillance
Meadow Foxtail	*Alopecurus pratensis*	Watch		●		–		X		Surveillance

Table B-3 Grasses										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Giant Reed	*Arundo donax*	High		●	B	A		X	X	Containment
Slender Oat	*Avena barbata*	Moderate			–	–		X		Containment
Wild Oats	*Avena fatua*	Moderate			–	–		X	X	Containment
Annual False-Brome	*Brachypodium distachyon*	Moderate			–	–		X		Containment
Big Quakinggrass	*Briza maxima*	Limited		●		–		X		Surveillance
Ripgut Brome	*Bromus diandrus*	Moderate			–	–		X		Containment
Soft Brome	*Bromus hordeaceus*	Limited			–	–		X	X	Surveillance
Japanese Brome	*Bromus japonicus*	Limited			–	–		X		Surveillance
Red Brome	*Bromus madritensis* ssp. *rubens*	High			–	–		X	X	Containment
Cheatgrass	*Bromus tectorum*	High			–	–		X	X	Containment
Southern Sandbur	*Cenchrus echinatus*	Watch			X	–	C	X		Containment
Mat Sandbur	*Cenchrus longispinus*	Watch			X	–	C	X		Containment
Jubatagrass	*Cortaderia jubata*	High		●	B	–		X		Containment
Pampasgrass	*Cortaderia selloana*	High		●	–	–		X	X	Containment
Bermuda Grass	*Cynodon dactylon*	Moderate		●	–	–		X	X	Containment
Hedgehog Dogtail	*Cynosurus echinatus*	Moderate			–	–		X		Containment
Orchard Grass	*Dactylis glomerata*	Limited		●	–	–		X		Surveillance
Panic Veldtgrass	*Ehrharta erecta*	Moderate			–	–		X		Surveillance
Reed Fescue	*Festuca arundinacea*	Moderate		●	–	–		X		Containment
Rat-Tail Fescue	*Festuca myuros*	Moderate			–	–		X		Containment
Italian Ryegrass	*Festuca perennis*	Moderate			–	–		X		Containment
Mannagrass	*Glyceria declinata*	Moderate			–	–			X	Surveillance
Common Velvet Grass	*Holcus lanatus*	Moderate		●	–	–		X		Containment
Mediterranean Barley	*Hordeum marinum*	Moderate			–	–		X	X	Containment

Table B-3 Grasses										
Common Name	***Scientific Name***	**CA IPC Status**			**Noxious Weed Status[1]**			**Distribution**		**Project Objective**
		Risk Rating	**Alert**	**Present in Horticulture**	**CA**	**NV**	**Federal**	**San Bernardino**	**Clark**	
Hare Barley	*Hordeum murinum*	Moderate			–	–		X	X	Containment
Vasey's Grass	*Paspalum urvillei*	Watch				–		X		Containment
Kikuyugrass	*Pennisetum clandestinum*	Limited			C	–	X	X		Surveillance
Crimson Fountain Grass	*Pennisetum setaceum*	Moderate		●	–	A		X	X	Containment
Harding Grass	*Phalaris aquatica*	Moderate		●		–		X		Containment
Kentucky Bluegrass	*Poa pratensis*	Limited		●	–	–		X		Surveillance
Rabbitsfoot Grass	*Polypogon monspeliensis*	Limited			–	–		X		Surveillance
Ravennagrass	*Saccharum ravennae*	Moderate	●	●	X	–		X	X	Surveillance
Mediterranean Grass	*Schismus arabicus*	Limited			–	–		X	X	Surveillance
Common Mediterranean Grass	*Schismus barbatus*	Limited			–	–		X	X	Surveillance
Johnsongrass	*Sorghum halepense*	–			C	C		X	X	Surveillance
Cape Ricegrass	*Stipa capensis*	Moderate	●		–	–		X		Surveillance
Smilo Grass	*Stipa miliacea var. miliacea*	Limited			–	–		X		Surveillance
NOTE: [1]Noxious Weed Status Definitions: A, B, and C: Noxious weed category. Q: Quarantine. X: Designated noxious weed with no specific category.										

Appendix C. Mojave National Preserve Integrated Weed Management Plan

This page intentionally left blank.

C1 INTRODUCTION

Appendix C of the Integrated Weed Management Plan (IWMP) prepared for Southern California Edison's (SCE) Eldorado-Lugo-Mojave Series Capacitor Project (the Project) provides summary results of a weed inventory conducted for the Project through the Mojave National Preserve (MNP) prior to construction of the Project. Appendix C also provides a draft IWMP prepared specifically for the MNP by the National Park Service.

C2 INVENTORY RESULTS

Site BIO S0140 contains the following Project features:

- Helicopter Landing Zone: LZ_109

Table C-1 shows the weed species present in Site BIO S0140.

Table C-1 Weed Species Present in Site BIO S0140

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0141 contains the following Project features:

- Helicopter Landing Zone: LZ_110

Table C-2 shows the weed species present in Site BIO S0141.

Table C-2 Weed Species Present in Site BIO S0141

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	300	Ubiquitous	Surveillance
Red Brome	30	5	Containment

Site BIO S0142 contains the following Project features:

- Helicopter Landing Zone: LZ_111

Table C-3 shows the weed species present in Site BIO S0142.

Table C-3 Weed Species Present in Site BIO S0142

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	150	100	Containment

Site BIO S0143 contains the following Project features:

- Helicopter Landing Zone: LZ_112

Table C-4 shows the weed species present in Site BIO S0143.

Table C-4 Weed Species Present in Site BIO S0143			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	100	Containment

Site BIO S0144 contains the following Project features:

- Site Access: M102-T1 SA-AS1
- Site Access: M102-T1 SA-BS1
- Tower Work: M102-T1 SWA
- Wire Setup: M102-T1 STR-AS1
- Wire Setup: M102-T1 STR-BS1

Table C-5 shows the weed species present in Site BIO S0144.

Table C-5 Weed Species Present in Site BIO S0144			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0145 contains the following Project features:

- Helicopter Landing Zone: LZ_113

Table C-6 shows the weed species present in Site BIO S0145.

Table C-6 Weed Species Present in Site BIO S0145			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	30	20	Containment

Site BIO S0146 contains the following Project features:

- Helicopter Landing Zone: LZ_114

Table C-7 shows the weed species present in Site BIO S0146.

Table C-7 Weed Species Present in Site BIO S0146			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0147 contains the following Project features:

- Site Access: M105-T2 SA-AS1
- Tower Work: M105-T2 SWA

- Wire Setup: M105-T2 STR-AS1
- Wire Setup: M105-T2 STR-BS1

Table C-8 shows the weed species present in Site BIO S0147.

Table C-8 Weed Species Present in Site BIO S0147

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	100	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0148 contains the following Project features:

- Helicopter Landing Zone: LZ_115

Table C-9 shows the weed species present in Site BIO S0148.

Table C-9 Weed Species Present in Site BIO S0148

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0149 contains the following Project features:

- Helicopter Landing Zone: LZ_116

Table C-10 shows the weed species present in Site BIO S0149.

Table C-10 Weed Species Present in Site BIO S0149

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0150 contains the following Project features:

- Helicopter Landing Zone: LZ_117

Table C-11 shows the weed species present in Site BIO S0150.

Table C-11 Weed Species Present in Site BIO S0150

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0151 contains the following Project features:

- Helicopter Landing Zone: LZ_118

Table C-12 shows the weed species present in Site BIO S0151.

Table C-12 Weed Species Present in Site BIO S0151			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0152 contains the following Project features:

- Site Access: M108-T2 SA-AS1a
- Site Access: M108-T2 SA-BS1
- Tower Work: M108-T2 SWA
- Wire Setup: M108-T2 STR-AS1
- Wire Setup: M108-T2 STR-BS1

Table C-13 shows the weed species present in Site BIO S0152.

Table C-13 Weed Species Present in Site BIO S0152			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment

Site BIO S0153 contains the following Project features:

- Helicopter Landing Zone: LZ_121

Table C-14 shows the weed species present in Site BIO S0153.

Table C-14 Weed Species Present in Site BIO S0153			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0154 contains the following Project features:

- Helicopter Landing Zone: LZ_123

Table C-15 shows the weed species present in Site BIO S0154.

Table C-15 Weed Species Present in Site BIO S0154			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0155 contains the following Project features:

- Helicopter Landing Zone: LZ_124

Table C-16 shows the weed species present in Site BIO S0155.

Table C-16 Weed Species Present in Site BIO S0155			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0156 contains the following Project features:

- Distribution: Kelbaker Repeater - DWA1
- Guard Structure Area: GS33
- Guard Structure Area: GS34
- Helicopter Landing Zone: LZ_125
- Kelbaker Telecom Repeater: Kelbaker Telecom Repeater
- Telecommunication: Kelbaker Repeater - TPTS1
- Telecommunication: Kelbaker Repeater - TPTS2
- Telecommunication: Kelbaker Repeater - TWA1
- Telecommunication: Kelbaker Repeater - TWA2
- Telecommunication: M111-T3-TELAR
- Tower Work: M111-T3 SWA
- Wire Setup: M111-T3 STR-AS1
- Wire Setup: M111-T3 STR-BS1

Table C-17 shows the weed species present in Site BIO S0156.

Table C-17 Weed Species Present in Site BIO S0156			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0157 contains the following Project features:

- Tower Work: M114-T4 SWA
- Wire Setup: M114-T4 STR-AS1
- Wire Setup: M114-T4 STR-BS1

Table C-18 shows the weed species present in Site BIO S0157.

Table C-18 Weed Species Present in Site BIO S0157			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0158 contains the following Project features:

- Helicopter Landing Zone: LZ_126

Table C-19 shows the weed species present in Site BIO S0158.

Table C-19 Weed Species Present in Site BIO S0158			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0159 contains the following Project features:

- Helicopter Landing Zone: LZ_127

Table C-20 shows the weed species present in Site BIO S0159.

Table C-20 Weed Species Present in Site BIO S0159			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0160 contains the following Project features:

- Helicopter Landing Zone: LZ_132
- Site Access: M121-T2 SA-BS1
- Tower Work: M121_T2 SWA
- Wire Setup: M121-T2 STR-AS1
- Wire Setup: M121-T2 STR-BS1

Table C-21 shows the weed species present in Site BIO S0160.

Table C-21 Weed Species Present in Site BIO S0160			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0161 contains the following Project features:

- Tower Work: M118-T2 SWA
- Wire Setup/Grading: M118-T1 STR-AS1
- Wire Setup/Grading: M118-T2 STR-BS1

Table C-22shows the weed species present in Site BIO S0161.

Table C-22 Weed Species Present in Site BIO S0161			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Cheatgrass	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0162 contains the following Project features:

- Helicopter Landing Zone: LZ_131

Table C-23 shows the weed species present in Site BIO S0162.

Table C-23 Weed Species Present in Site BIO S0162

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0163 contains the following Project features:

- Helicopter Landing Zone: LZ_130

Table C-24 shows the weed species present in Site BIO S0163.

Table C-24 Weed Species Present in Site BIO S0163

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0164 contains the following Project features:

- Helicopter Landing Zone: LZ_133

Table C-25 shows the weed species present in Site BIO S0164.

Table C-25 Weed Species Present in Site BIO S0164

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	20	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0166 contains the following Project features:

- Helicopter Landing Zone: LZ_134

Table C-26 shows the weed species present in Site BIO S0166.

Table C-26 Weed Species Present in Site BIO S0166

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	100	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0167 contains the following Project features:

- Guard Structure Area: GS32

Table C-27 shows the weed species present in Site BIO S0167.

Table C-27 Weed Species Present in Site BIO S0167

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	100	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0168 contains the following Project features:

- Guard Structure Area: GS31
- Tower Work: M124-T3 SWA
- Wire Setup: M124-T3 STR-AS1
- Wire Setup: M124-T3 STR-BS1

Table C-28 shows the weed species present in Site BIO S0168.

Table C-28 Weed Species Present in Site BIO S0168

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0169 contains the following Project features:

- Helicopter Landing Zone: LZ_135

Table C-29 shows the weed species present in Site BIO S0169.

Table C-29 Weed Species Present in Site BIO S0169

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	100	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0170 contains the following Project features:

- Helicopter Landing Zone: LZ_129

Table C-30 shows the weed species present in Site BIO S0170.

Table C-30 Weed Species Present in Site BIO S0170			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0171 contains the following Project features:

- Helicopter Landing Zone: LZ_136

Table C-31 shows the weed species present in Site BIO S0171.

Table C-31 Weed Species Present in Site BIO S0171			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	100	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0172 contains the following Project features:

- Helicopter Landing Zone: LZ_137

Table C-32 shows the weed species present in Site BIO S0172.

Table C-32 Weed Species Present in Site BIO S0172			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0173 contains the following Project features:

- Helicopter Landing Zone: LZ_138

Table C-33 shows the weed species present in Site BIO S0173.

Table C-33 Weed Species Present in Site BIO S0173			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0177 contains the following Project features:

- Helicopter Landing Zone: LZ_141

Table C-34 shows the weed species present in Site BIO S0177.

Table C-34 Weed Species Present in Site BIO S0177			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
London Rocket	Ubiquitous	100	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0178 contains the following Project features:

- Helicopter Landing Zone: LZ_142

Table C-35 shows the weed species present in Site BIO S0178.

Table C-35 Weed Species Present in Site BIO S0178			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Containment
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0180 contains the following Project features:

- Helicopter Landing Zone: LZ_143
- Tower Work: M131-T2 SWA
- Wire Setup: M131-T2 STR-AS1
- Wire Setup: M131-T2 STR-BS1

Table C-36 shows the weed species present in Site BIO S0180.

Table C-36 Weed Species Present in Site BIO S0180			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0181 contains the following Project features:

- Helicopter Landing Zone: LZ_144

Table C-37 shows the weed species present in Site BIO S0181.

Table C-37 Weed Species Present in Site BIO S0181			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0182 contains the following Project features:

- Helicopter Landing Zone: LZ_145

Table C-38 shows the weed species present in Site BIO S0182.

Table C-38 Weed Species Present in Site BIO S0182

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
London Rocket	100	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0183 contains the following Project features:

- Helicopter Landing Zone: LZ_146

Table C-39 shows the weed species present in Site BIO S0183.

Table C-39 Weed Species Present in Site BIO S0183

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0184 contains the following Project features:

- Helicopter Landing Zone: LZ_147

Table C-40 shows the weed species present in Site BIO S0184.

Table C-40 Weed Species Present in Site BIO S0184

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	100	Surveillance

Site BIO S0185 contains the following Project features:

- Helicopter Landing Zone: LZ_148
- Tower Work: M134-T2 SWA
- Wire Setup: M134-T2 STR-AS1
- Wire Setup: M134-T2 STR-BS1

Table C-41 shows the weed species present in Site BIO S0185.

Table C-41 Weed Species Present in Site BIO S0185

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0186 contains the following Project features:

- Helicopter Landing Zone: LZ_150

Table C-42 shows the weed species present in Site BIO S0186.

Table C-42 Weed Species Present in Site BIO S0186

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	100	Surveillance

Site BIO S0187 contains the following Project features:

- Helicopter Landing Zone: LZ_151

Table C-43 shows the weed species present in Site BIO S0187.

Table C-43 Weed Species Present in Site BIO S0187

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0188 contains the following Project features:

- Helicopter Landing Zone: LZ_152

Table C-44 shows the weed species present in Site BIO S0188.

Table C-44 Weed Species Present in Site BIO S0188

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	5	15	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	100	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0189 contains the following Project features:

- Tower Work: M137-T3 SWA
- Wire Setup: M137-T3 STR-AS1
- Wire Setup: M137-T3 STR-BS1

Table C-45 shows the weed species present in Site BIO S0189.

Table C-45 Weed Species Present in Site BIO S0189			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	100	Surveillance

Site BIO S0190 contains the following Project features:

- Helicopter Landing Zone: LZ_153

Table C-46 shows the weed species present in Site BIO S0190.

Table C-46 Weed Species Present in Site BIO S0190			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	5	35	Containment
Asian Mustard	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0191 contains the following Project features:

- Helicopter Landing Zone: LZ_154

Table C-47 shows the weed species present in Site BIO S0191.

Table C-47 Weed Species Present in Site BIO S0191			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	100	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0192 contains the following Project features:

- Tower Work: M141-T1 SWA
- Wire Setup: M141-T1 STR-AS1
- Wire Setup: M141-T1 STR-BS1

Table C-48 shows the weed species present in Site BIO S0192.

Table C-48 Weed Species Present in Site BIO S0192			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
London Rocket	Ubiquitous	100	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0193 contains the following Project features:

- Helicopter Landing Zone: LZ_155

Table A-2 shows the weed species present in Site BIO S0193.

Table C-49 Weed Species Present in Site BIO S0193			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0194 contains the following Project features:

- Helicopter Landing Zone: LZ_156

Table C-50 shows the weed species present in Site BIO S0194.

Table C-50 Weed Species Present in Site BIO S0194			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	10	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0195 contains the following Project features:

- Helicopter Landing Zone: LZ_157

Table C-51 shows the weed species present in Site BIO S0195.

Table C-51 Weed Species Present in Site BIO S0195			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0196 contains the following Project features:

- Distribution: Lanfair Repeater - DWA1
- Guard Structure Area: GS30
- Lanfair Telecom Repeater: Lanfair Telecom Repeater
- Telecommunication: Lanfair Repeater - PTS1
- Telecommunication: Lanfair Repeater - PTS2
- Telecommunication: Lanfair Repeater - TWA1
- Telecommunication: Lanfair Repeater - TWA2
- Telecommunication: M144-T2-TELAR
- Tower Work: M144-T2 SWA
- Wire Setup: M144-T2 STR-AS1
- Wire Setup: M144-T2 STR-BS1

Table C-52 shows the weed species present in Site BIO S0196.

Table C-52 Weed Species Present in Site BIO S0196			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	Ubiquitous	100	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Red Brome	Ubiquitous	Not applicable	Containment
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0197 contains the following Project features:

- Helicopter Landing Zone: LZ_159

Table C-53 shows the weed species present in Site BIO S0197.

Table C-53 Weed Species Present in Site BIO S0197			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	3	10	Containment
Asian Mustard	5	30	Containment
Asian Mustard	6	25	Containment
Asian Mustard	10	Not applicable	Containment
London Rocket	1	1	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0198 contains the following Project features:

- Tower Work: M147-T4 SWA
- Wire Setup: M147-T4 STR-AS1
- Wire Setup: M147-T4 STR-BS1

Table C-54 shows the weed species present in Site BIO S0198.

Table C-54 Weed Species Present in Site BIO S0198			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Asian Mustard	1	2	Containment
Asian Mustard	Ubiquitous	100	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Redstem Stork's Bill	Ubiquitous	Not applicable	Surveillance

Site BIO S0199 contains the following Project features:

- Helicopter Landing Zone: LZ_161

Table C-55 shows the weed species present in Site BIO S0199.

Table C-55 Weed Species Present in Site BIO S0199			
Common Name	**Estimated Patch Radius (feet)**	**Estimated Number**	**Project Objective**
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

Site BIO S0205 contains the following Project features:

- Helicopter Landing Zone: LZ_183
- Tower Work: M97-T1 SWA

Table C-56 shows the weed species present in Site BIO S0205.

Table C-56 Weed Species Present in Site BIO S0205

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance
Saltcedar	Ubiquitous	Not applicable	Surveillance

Site BIO S0206 contains the following Project features:

- Tower Work: M97-T2 SWA

Table C-57 shows the weed species present in Site BIO S0206.

Table C-57 Weed Species Present in Site BIO S0206

Common Name	Estimated Patch Radius (feet)	Estimated Number	Project Objective
Asian Mustard	Ubiquitous	Not applicable	Containment
London Rocket	Ubiquitous	Not applicable	Containment
Mediterranean Grass	Ubiquitous	Not applicable	Surveillance

C3 DRAFT MOJAVE NATIONAL PRESERVE INTEGRATED WEED MANAGEMENT PLAN

The NPS has provided preliminary inventory results and related mitigation in the form of an agency-specific IWMP, as conditions of issuance of a Special Use Permit within the MNP.

SCE Right Of Way Weeds – Status & Guidance 2018

Survey Methods:

Between Feb. 13, 2018 and March 15, 2018, Botany technicians surveyed both northern and southern SCE Powerlines within the Mojave National Preserve. At survey points roughly every half mile along the main road, non-native plant species were recorded within a 50m radius. On the southern powerline, every third tower was surveyed because the main road tended to be further from the towers than the northern powerlines. Spur roads were not surveyed unless they were to every third tower on the southern line. Data was recorded at 252 points along both powerlines. Observations by the Preserve Botanist were added to supplement the dataset for species known to exist in the SCE ROW but were not observed during the survey period due to it being too early in the season and lack of winter precipitation.

Species Present:

A total of 14 different non-native plant species were observed during the survey. Of these species, Sahara mustard (*Brassica tournefortii)* and Russian thistle (*Salsola tragus)* are high priority species and efforts to actively control them are undertaken by the Preserve every year. In 2017, over 1000 volunteer hours and $22,000 were spent controlling just those two species in various areas.

Species	Common Name	USDA Code	# of points	Priority	Action
Brassica tournefortii	Sahara mustard	BRTO	27	High	Active Control
Bromus tectorum	Cheat grass	BRTE	9	High	Containment
Bromus rubens	Red brome	BRRU2	106	Low	None
Chenopodium murale	Nettleleaf goosefoot	CHMU2	1	Med	Active Control
Descurainia Sophia	Herb sophia	DESO2	14	Med	Containment
Eragrostis cilianensis	Stinkgrass	ERCI	5	Med	Containment
Erodium cicutarium	Redstem stork's bill	ERCI6	153	Low	None
Malva parviflora	Cheeseweed mallow	MAPA5	2	Low	None
Portulaca oleracea	Common purslane	POOL	14	Low	None
Salsola tragus	Russian thistle	SATR12	13	High	Active Control
Schismus barbatus	Mediterranean grass	SCBA	213	Low	None
Sisymbrium altissimum	Tumblemustard	SIAL2	7	Med	Containment
Sonchus oleraceus	Sow thistle	SOOL	17	Low	None
Tribulus terrestis	Puncturevine	TRTE	17	Med	Containment

Ranking Criteria

Priority for each species was based on 3 factors: ecological effects, size of infestation, and invasibility. Species with more damaging ecological effects were given higher priorities, as well as small, incipient populations that could spread rapidly if carried from one place to another.

Actions:

Actions for weed control are based on priority of species, as well as feasibility to control or contain. When projects are being planned a year or more in advance, Active Control species would be eradicated along main and spur roads and under towers (50m radius) prior to work. For Containment species, infestations should either be controlled in advance or equipment and vehicles must be decontaminated (free of all plant propagules) before beginning work outside of the containment area for that species. Vehicles should be inspected by MNP Biological Resource Division staff.

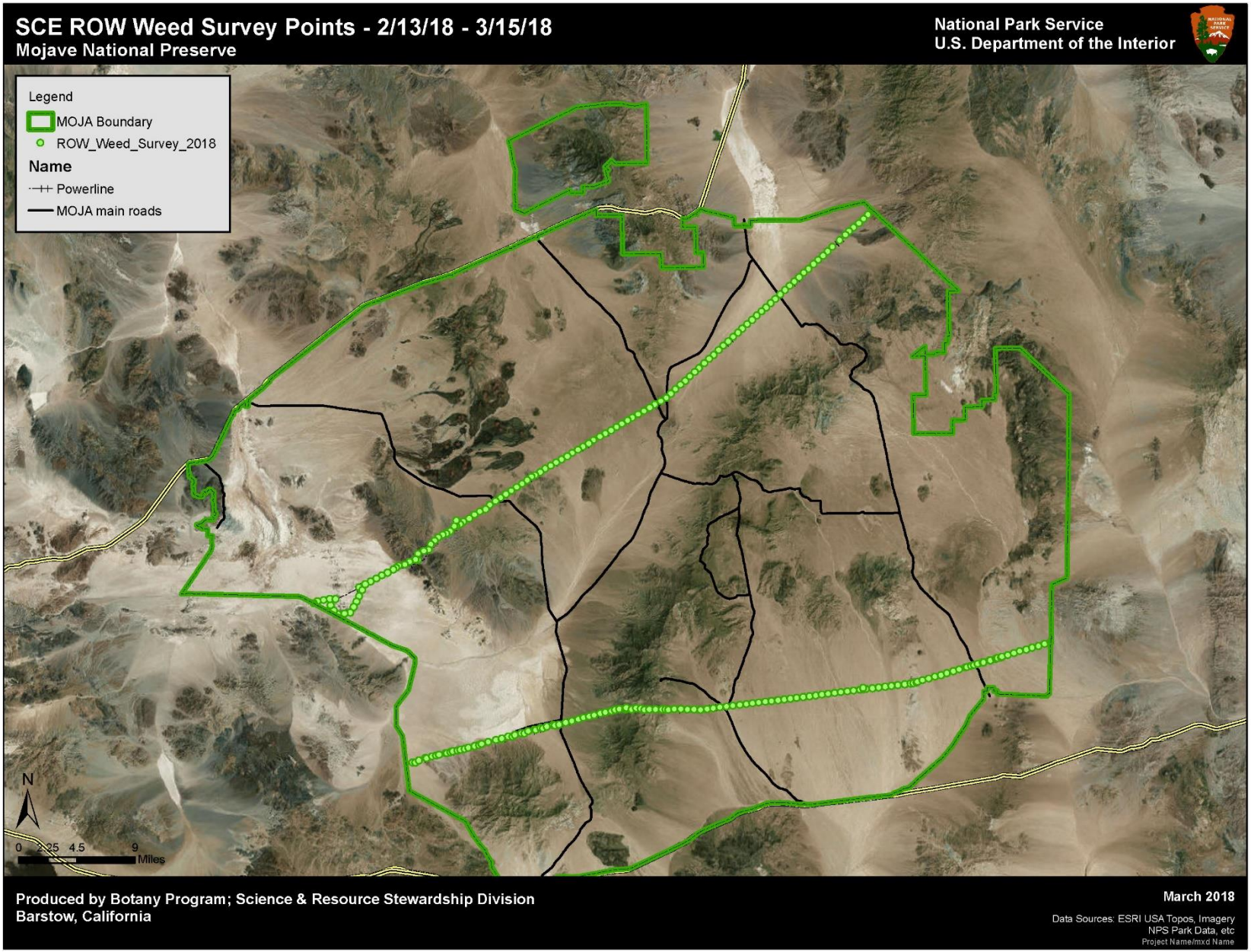
For routine maintenance (i.e. road grading) or emergency projects, Active Control and Containment species should follow the Containment procedure stated in the previous paragraph, e.g. equipment and vehicles must be decontaminated before beginning work in other areas. In emergency situations, it is understandable that Containment may not be feasible. In those cases, follow-up monitoring and subsequent weed treatments should be put in place to mitigated weed spread.

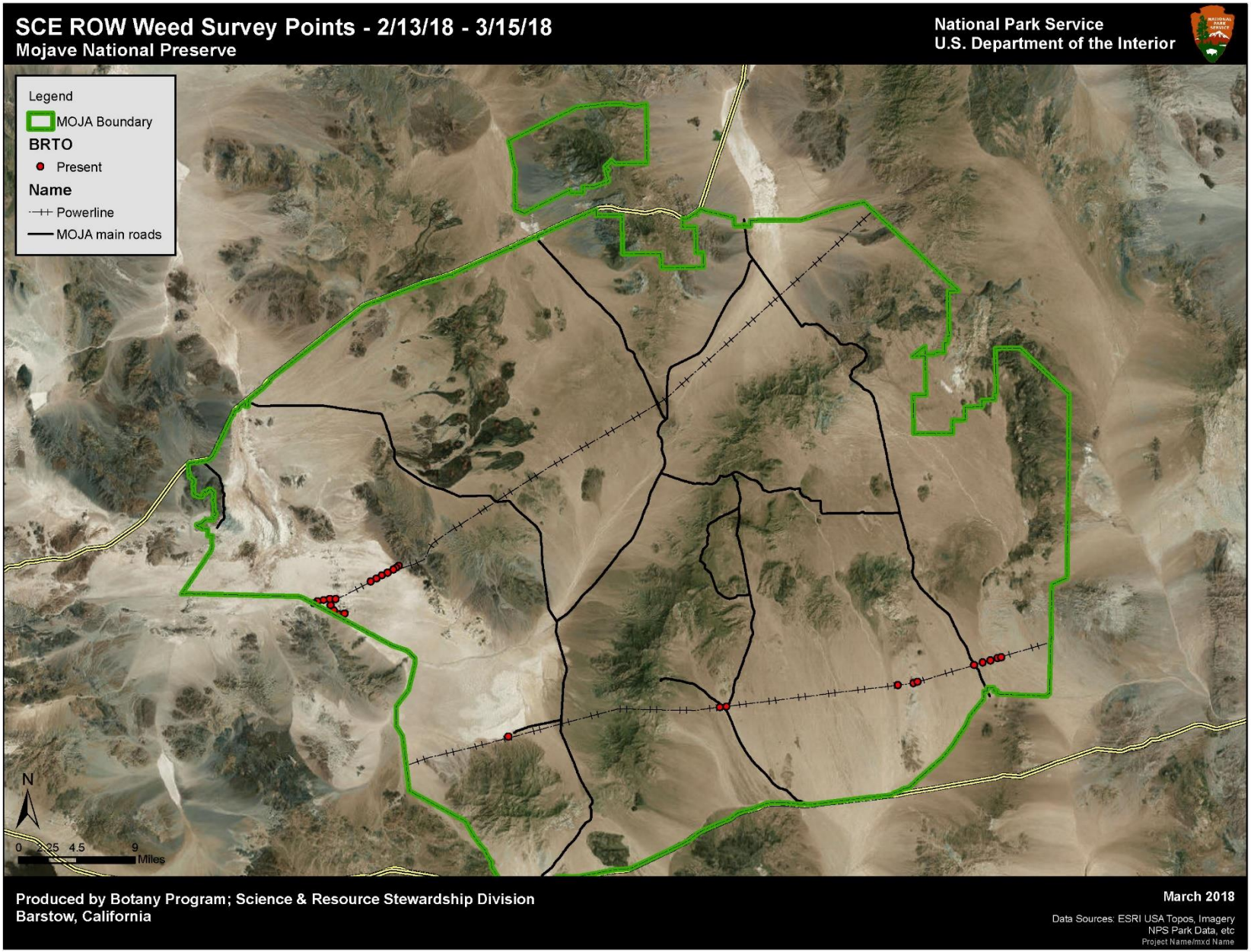
Problem Areas:

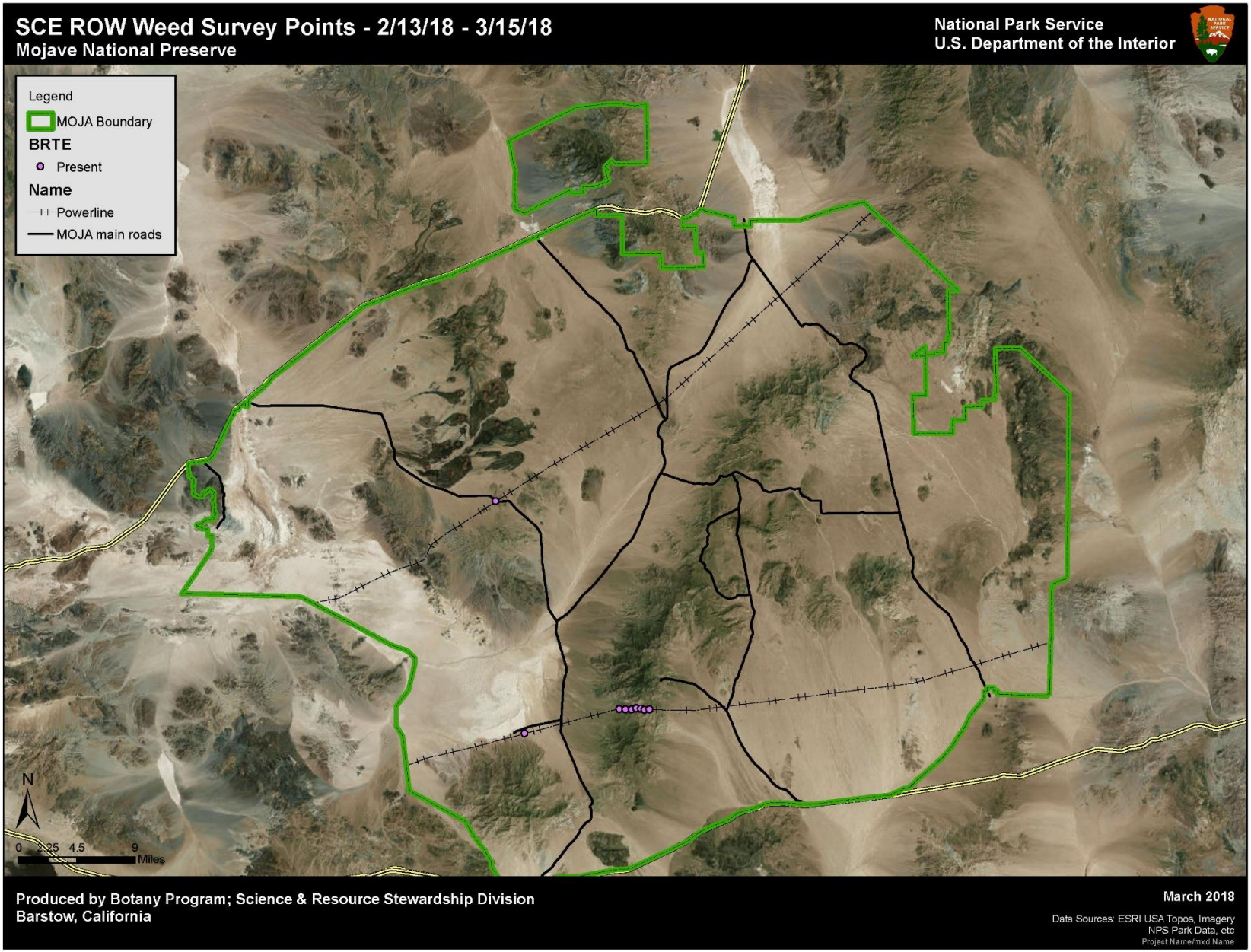
Devil's Playground is a very sandy area on the western boundary of the Preserve and is host to the highest concentration of weeds found during the survey. While Sahara mustard (BRTO) nearly blankets these sandy slopes, the Russian thistle (SATR12) seems to be concentrated along the roads and under the towers. This area also has the most sow thistle (SOOL) found during the survey. The Devil's Playground has been the target of weed control efforts in 2018.

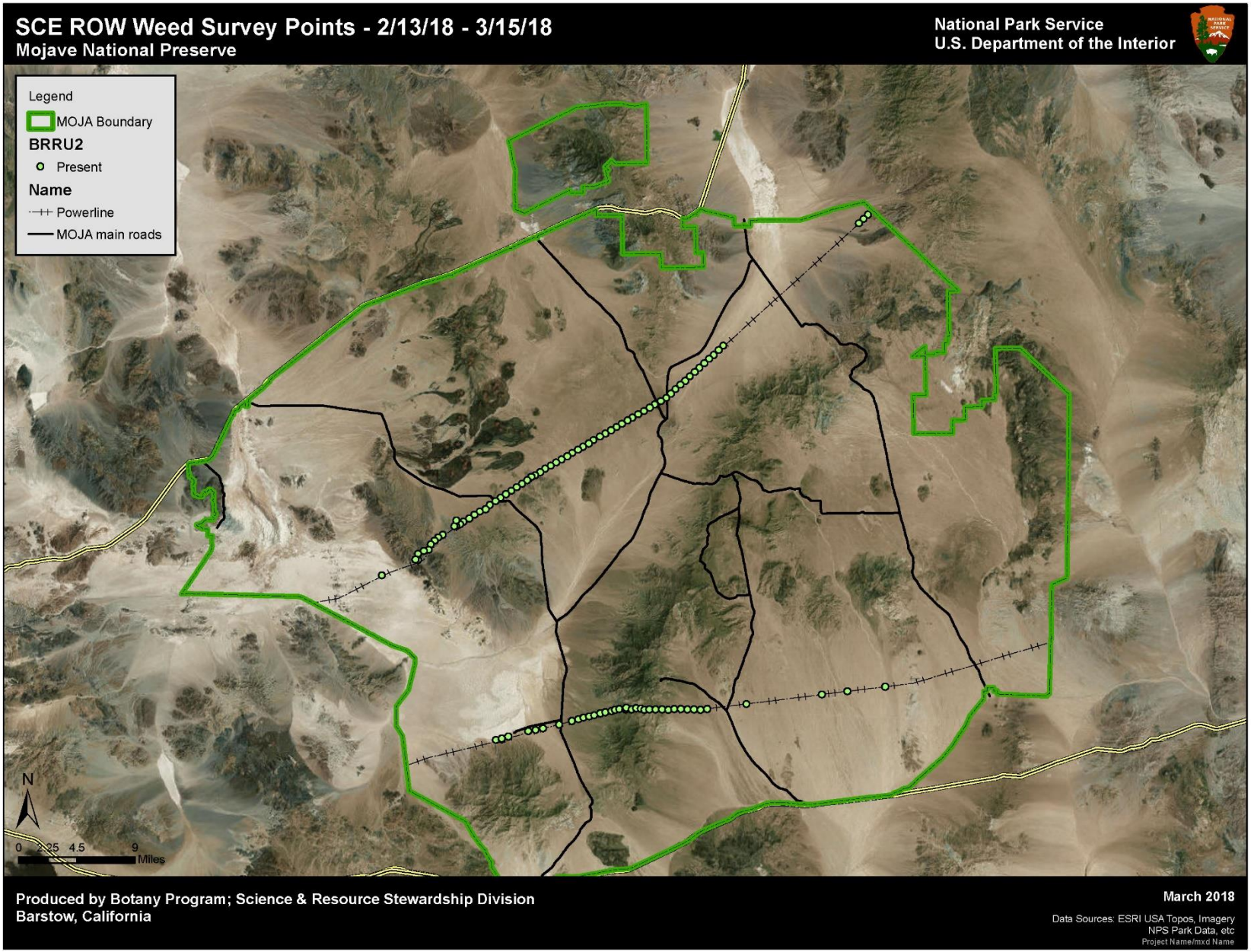
The town of Cima has a history of disturbance. Railroads, grazing and powerlines all intersect here which makes for good habitat for weeds. Russian thistle (SATR12) is abundant mostly on roadsides. This area also has the only stinkgrass (ERCI) infestation found along either powerline.

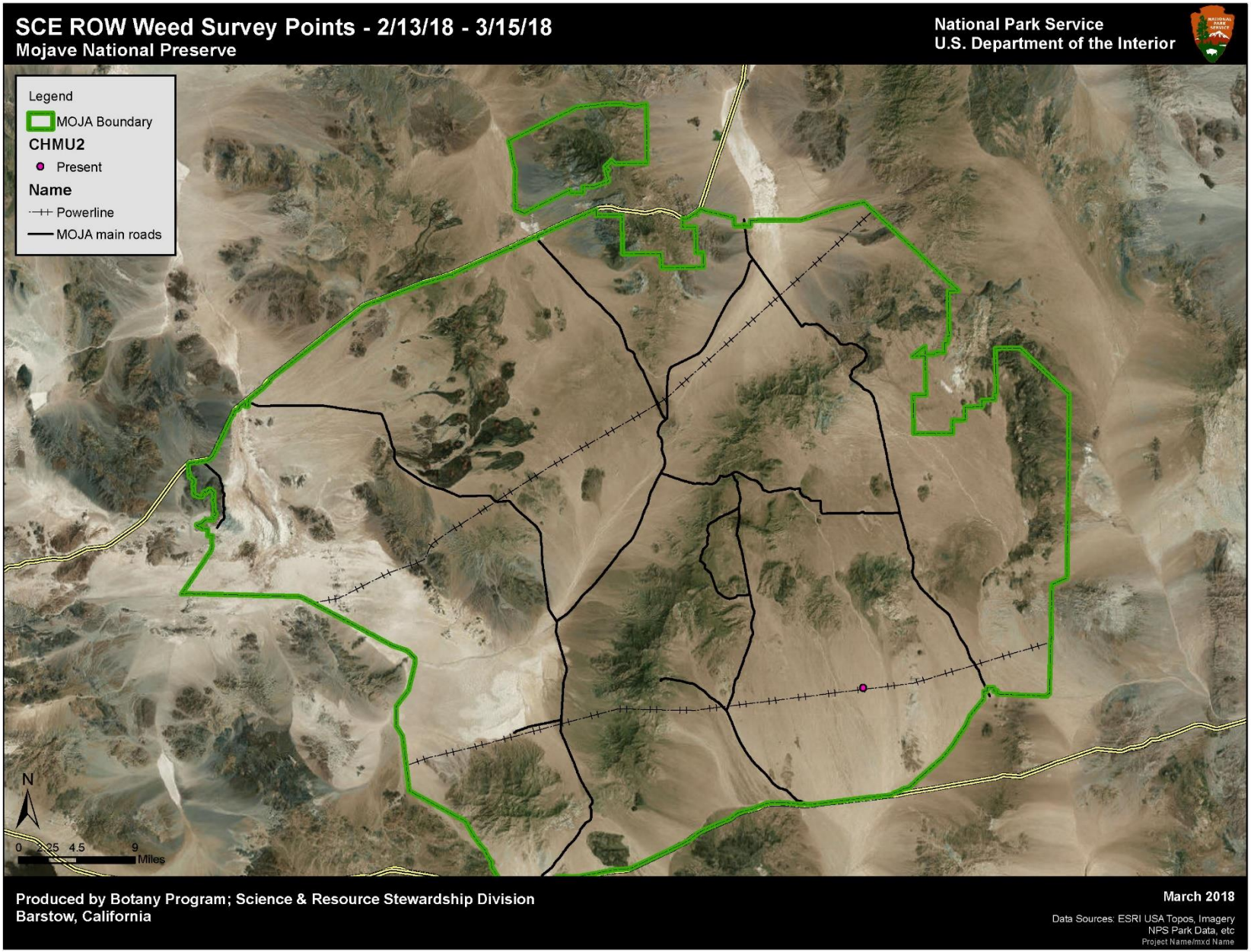
The Colton Hills grazing allotment in the southeastern portion of the Preserve is also host to many different weed species, most likely introduced over the last 100 years by livestock grazing. Here, herb Sophia (DESO2), tumblemustard (SIAL2), and Sahara mustard are scattered throughout the lower elevations. Puncturevine (TRTE) and cheatgrass (BRTE) are found at higher elevations where the powerlines cross over Foshay Pass. Also, the only known population in the Preserve of Nettleleaf goosefoot (CHMU2) grows under a tower adjacent to a corral in Galleta Flat.

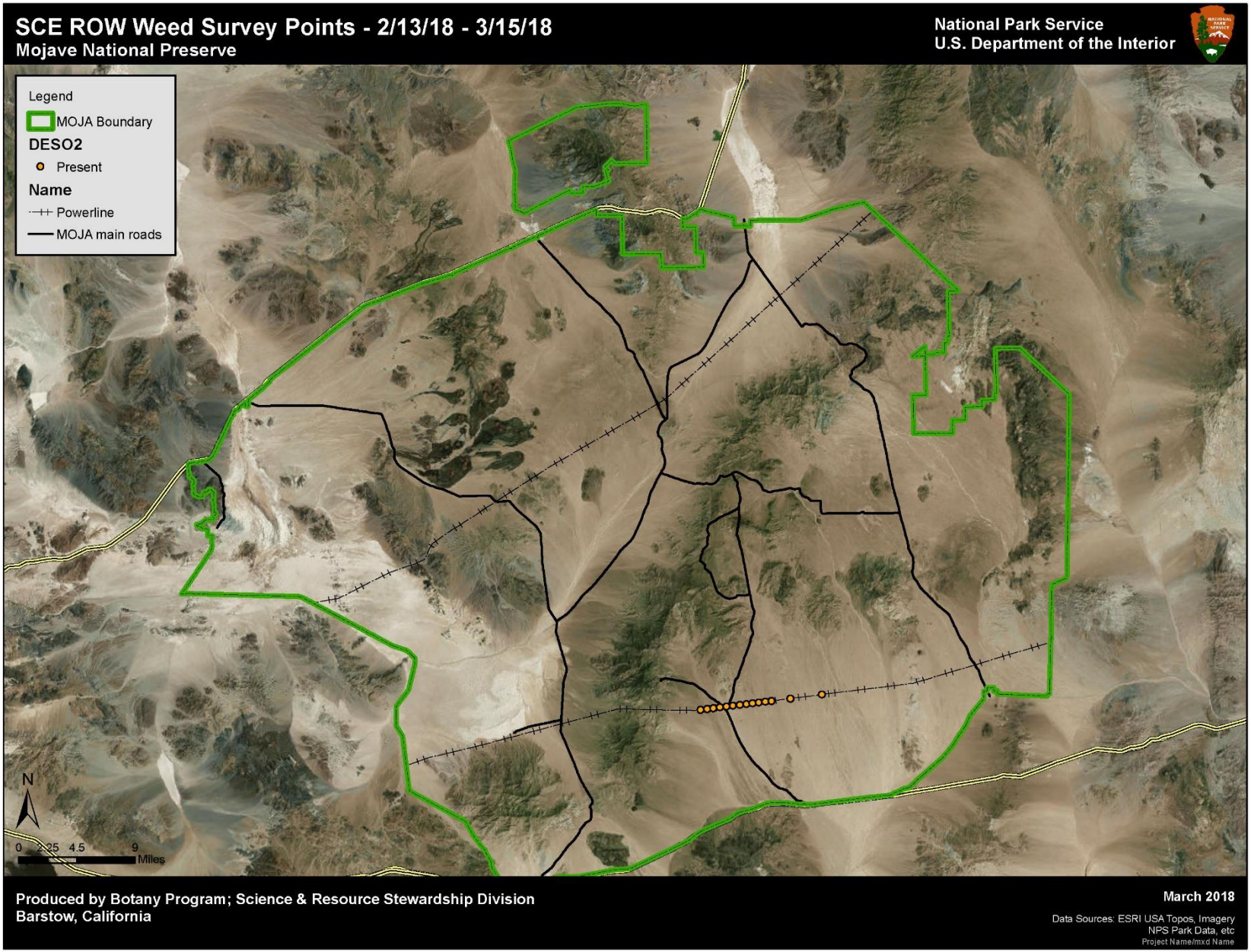

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
ROW_Weed_Survey_2018
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

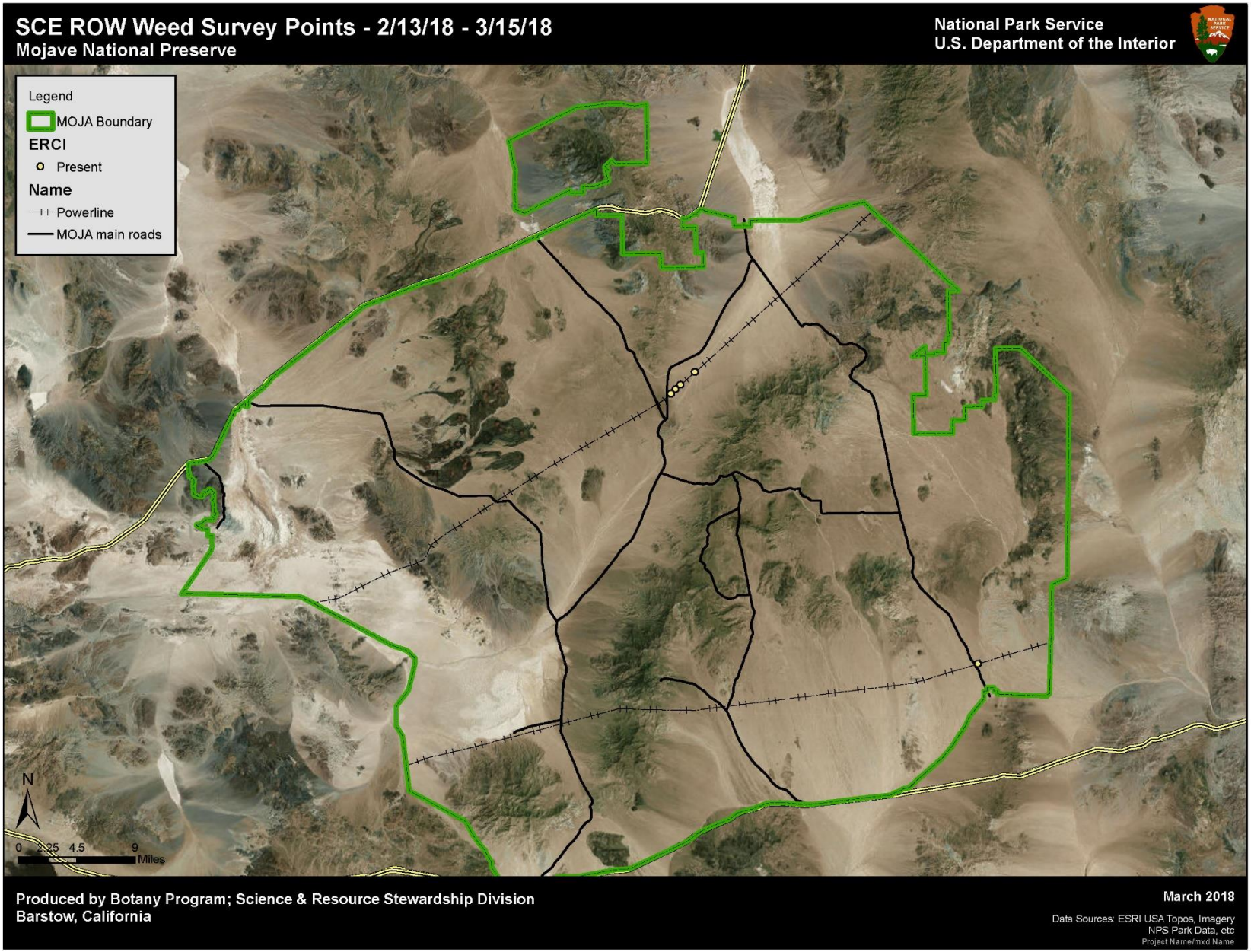

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
BRTO
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

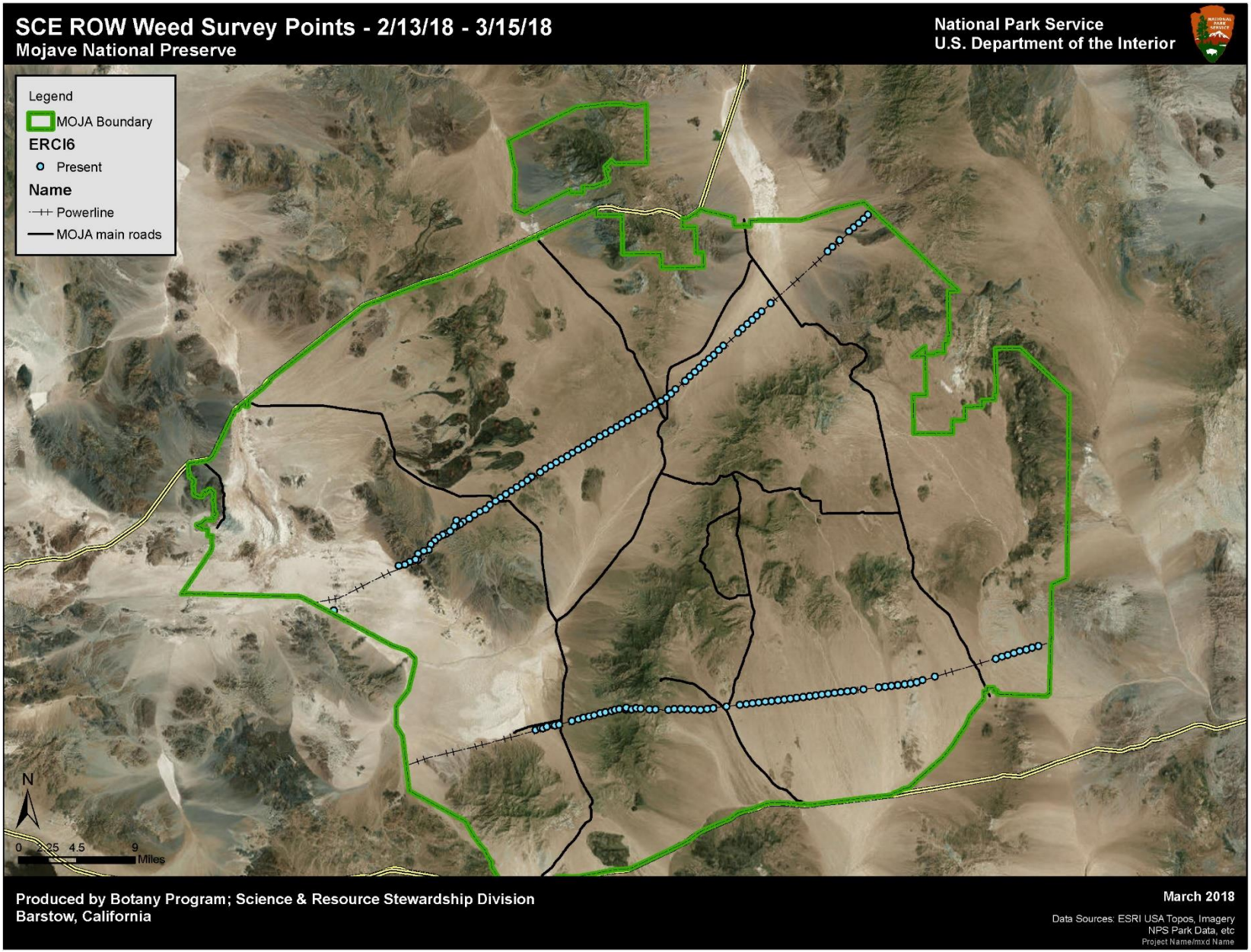

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
BRTE
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

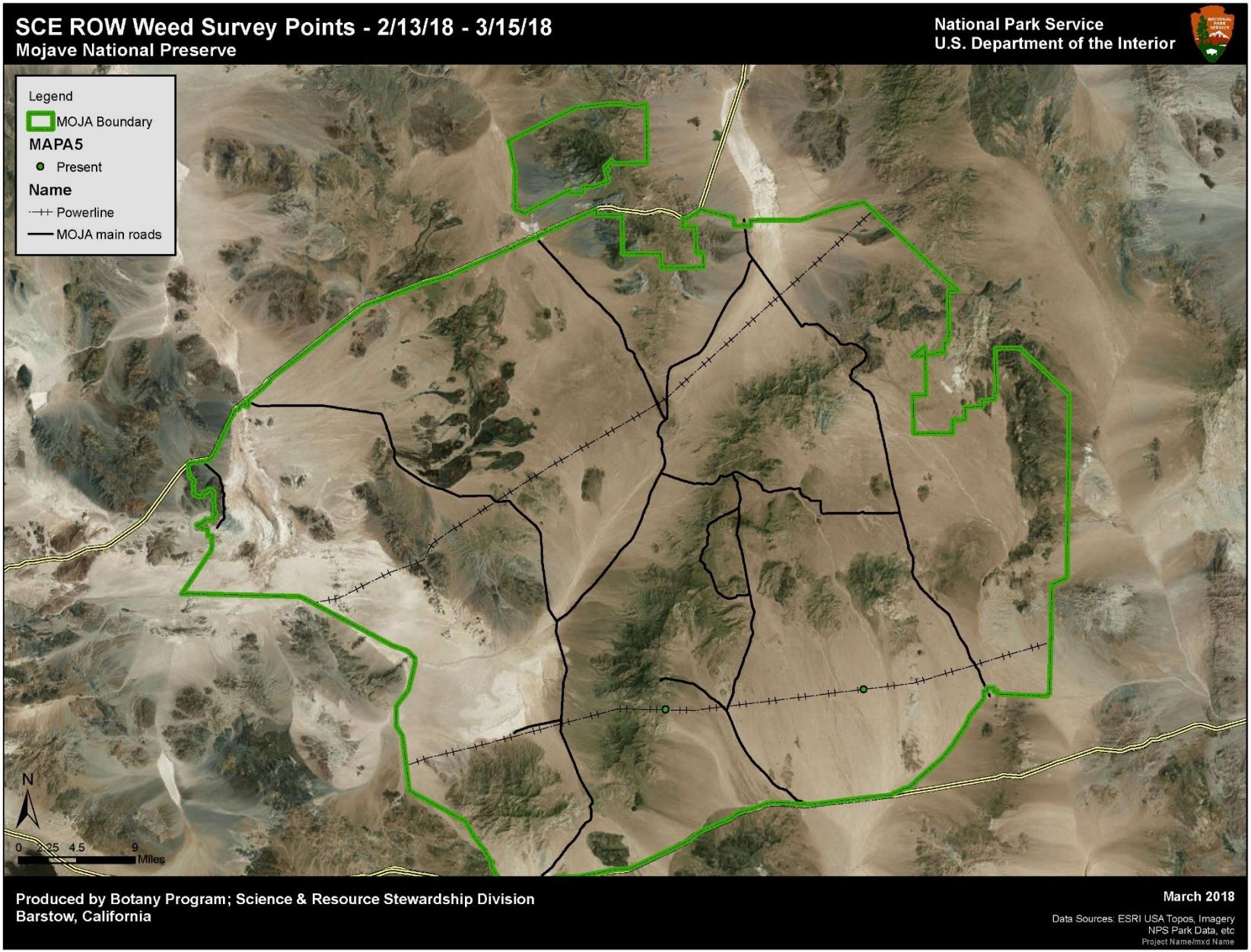

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
BRRU2
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

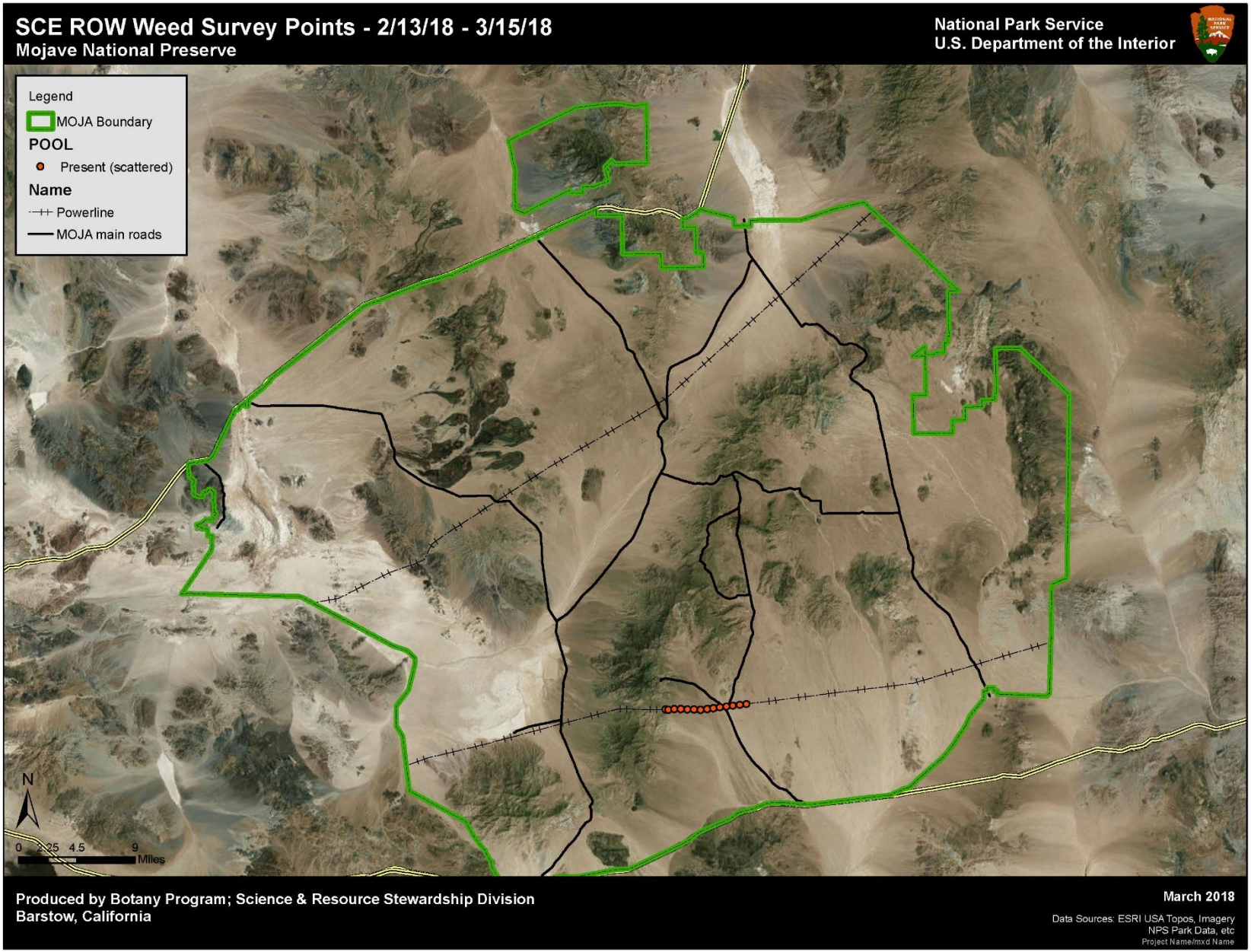

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
CHMU2
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

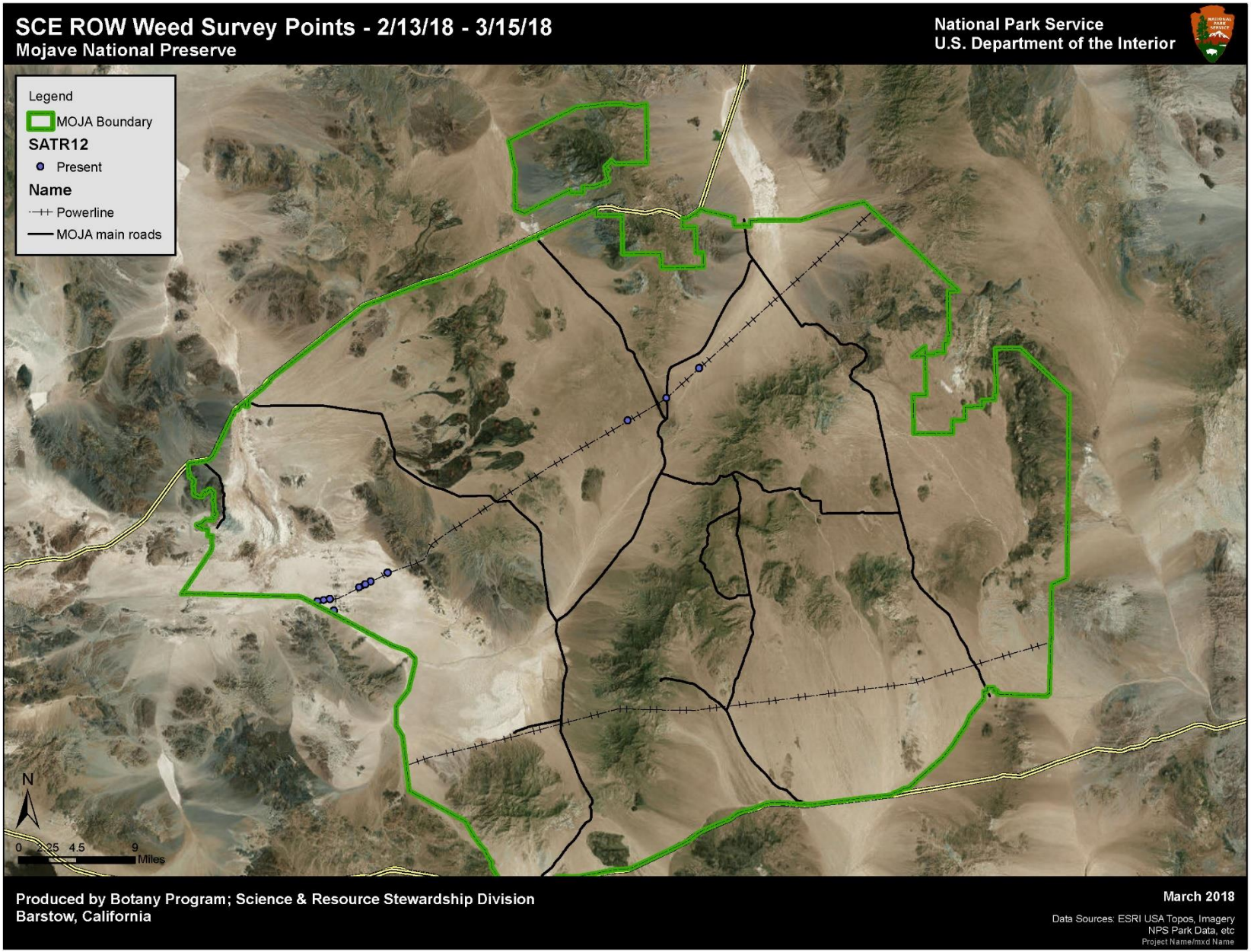

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
DESO2
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

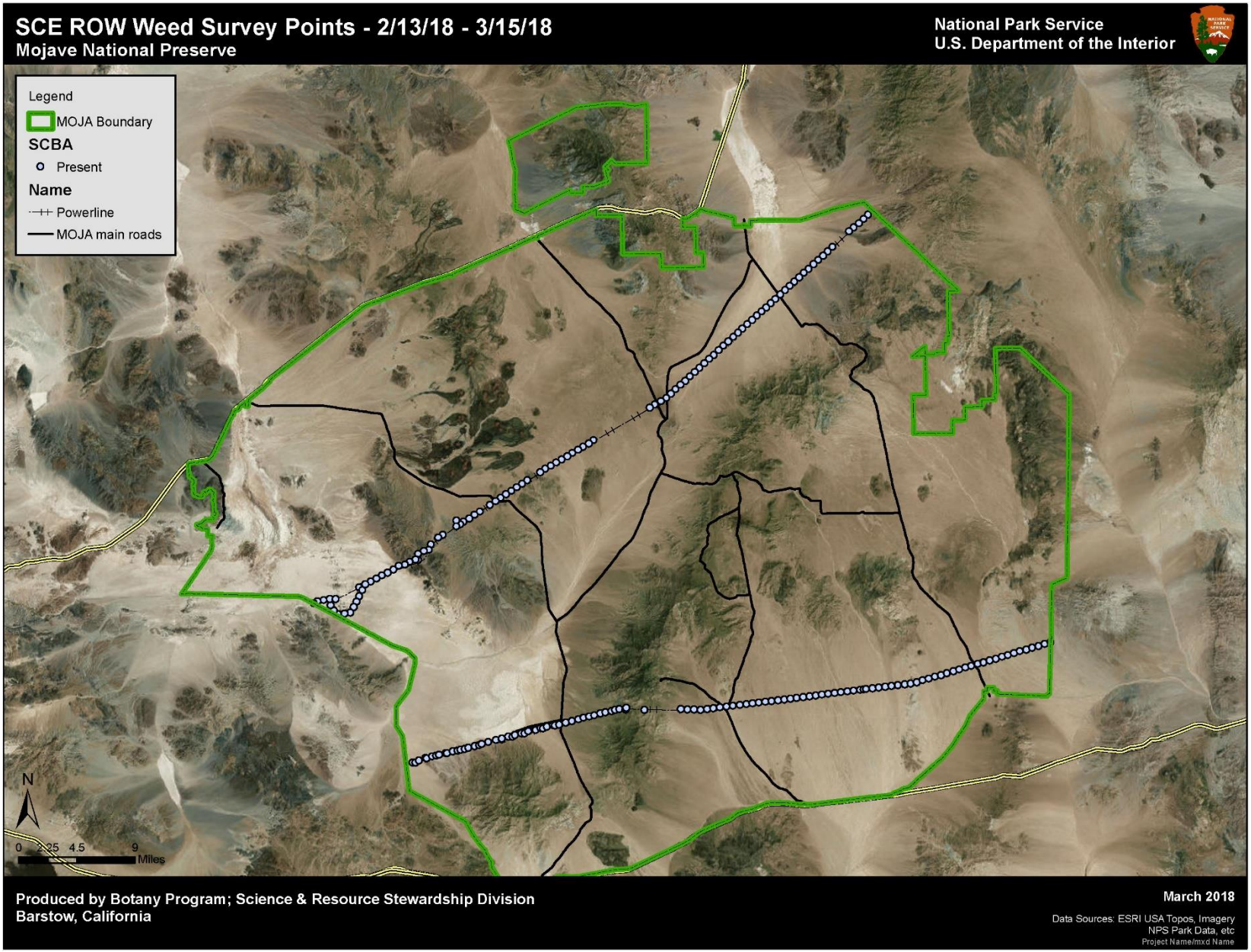

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
ERCI
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

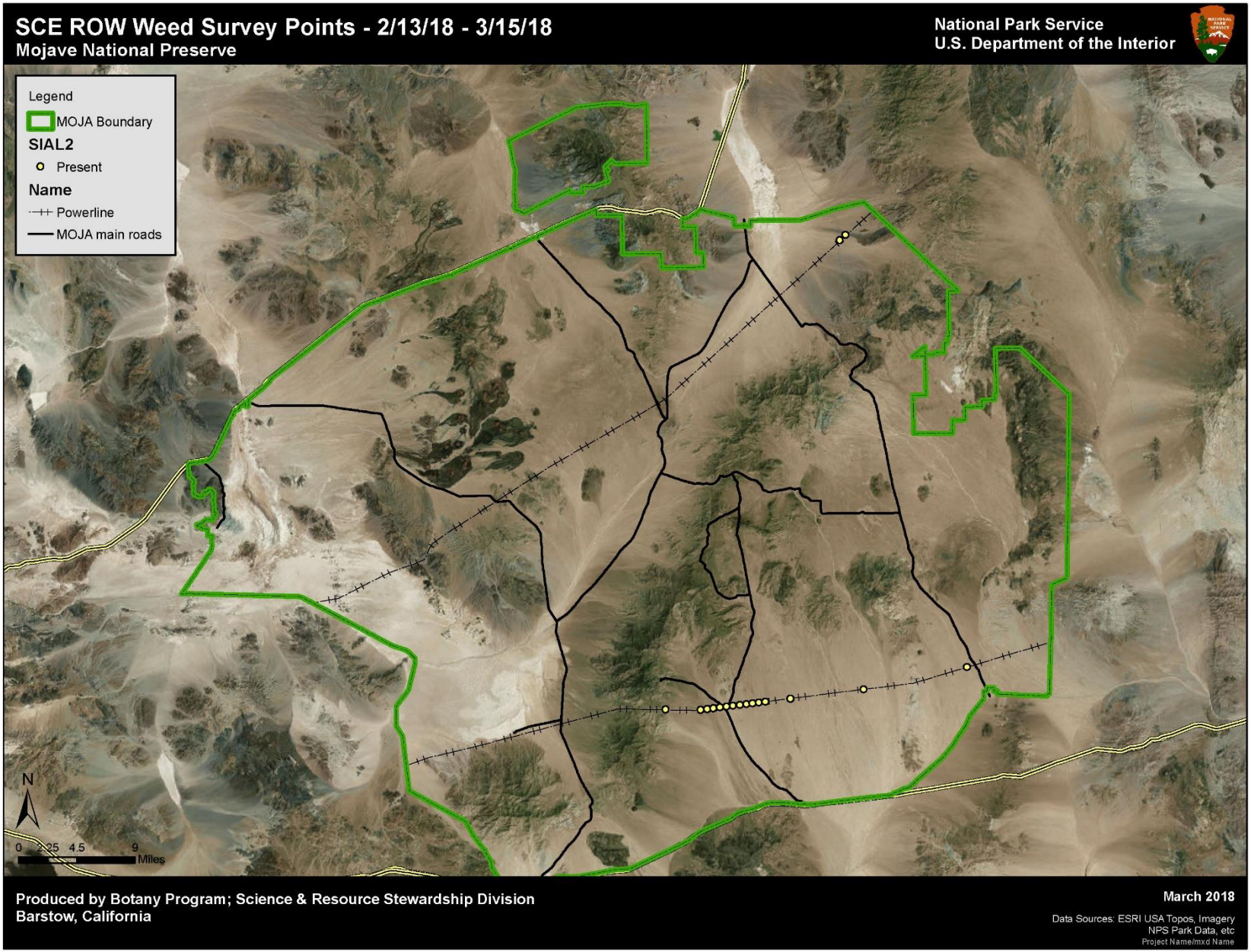

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
ERCI6
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

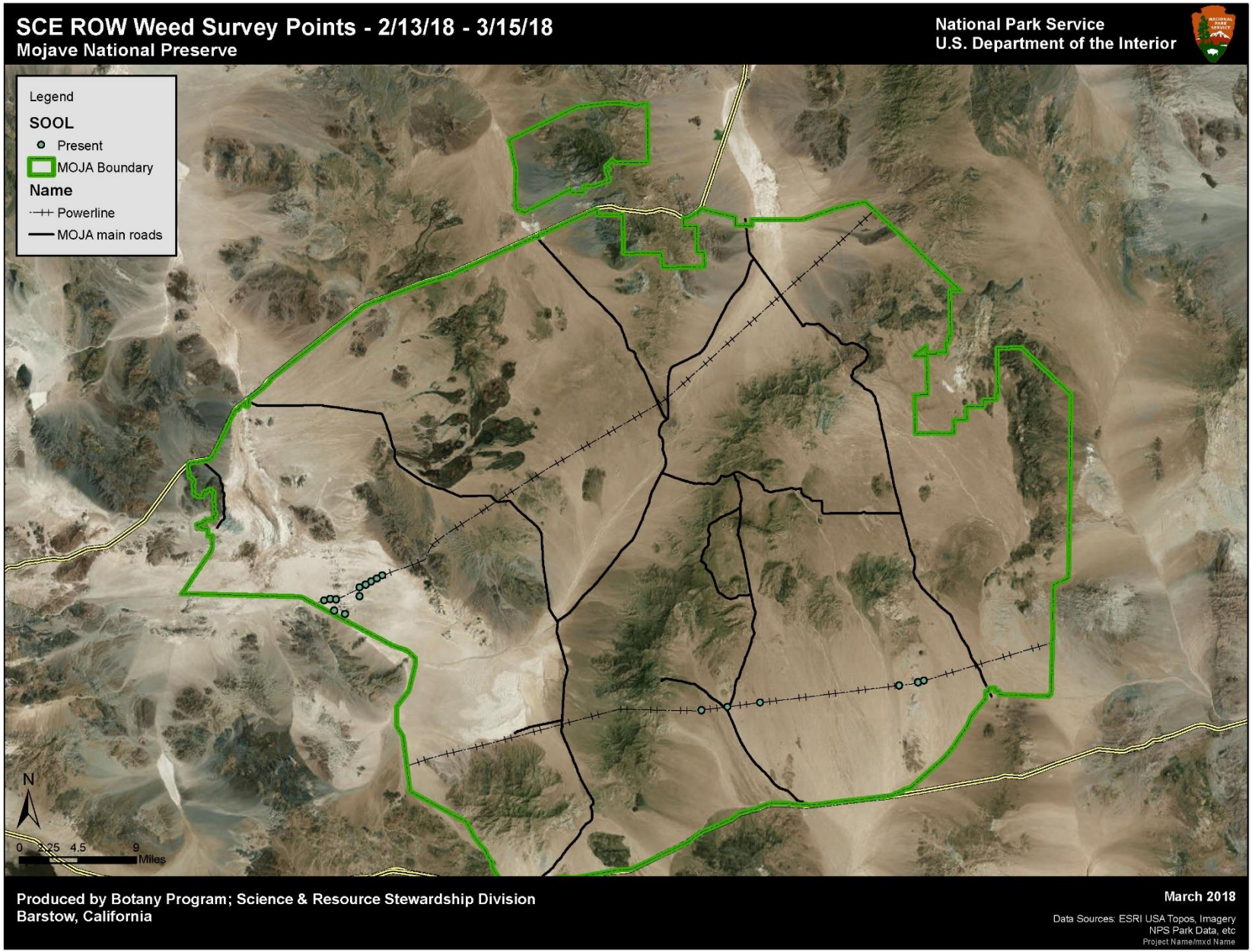

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
MAPA5
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

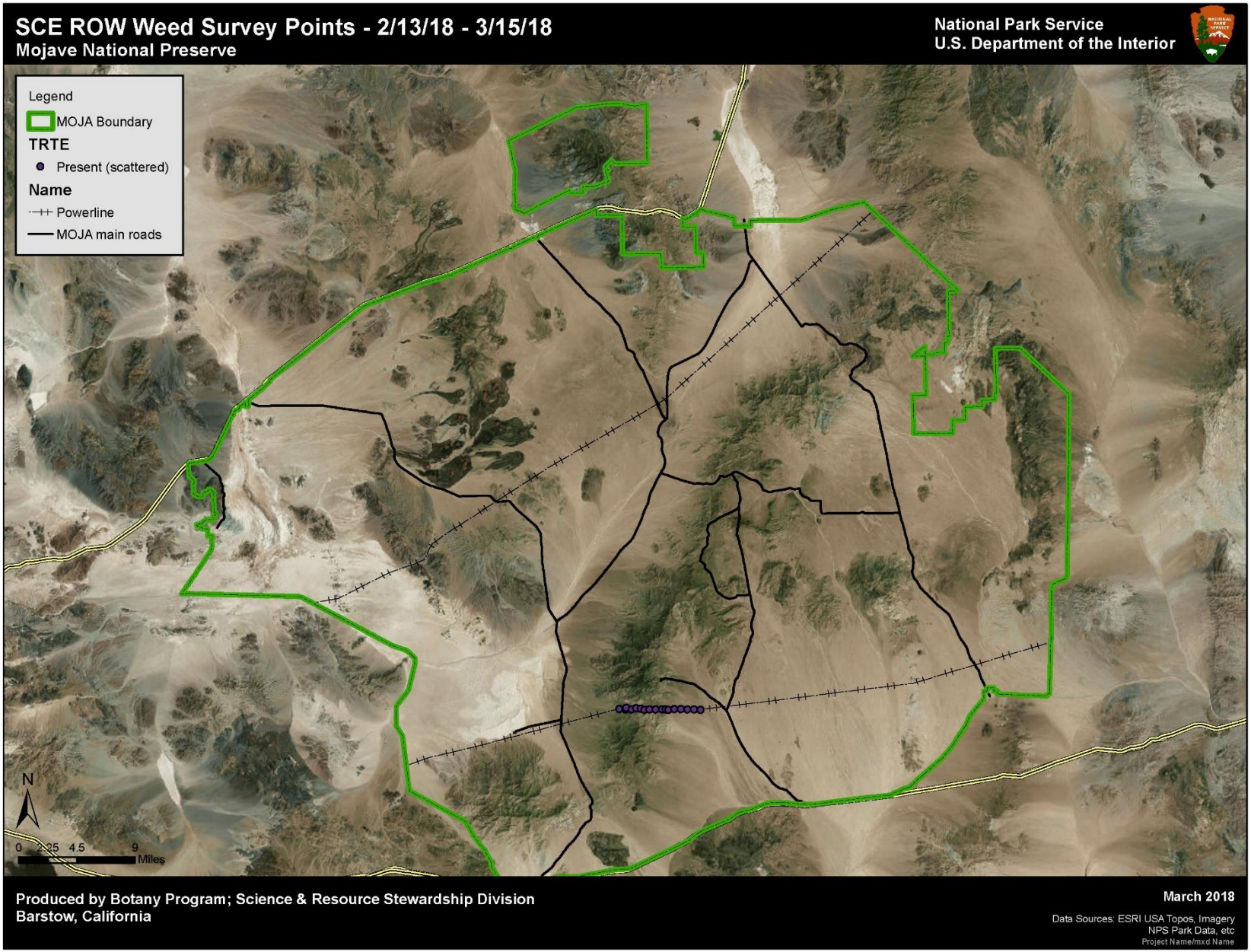

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
POOL
Present (scattered)
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

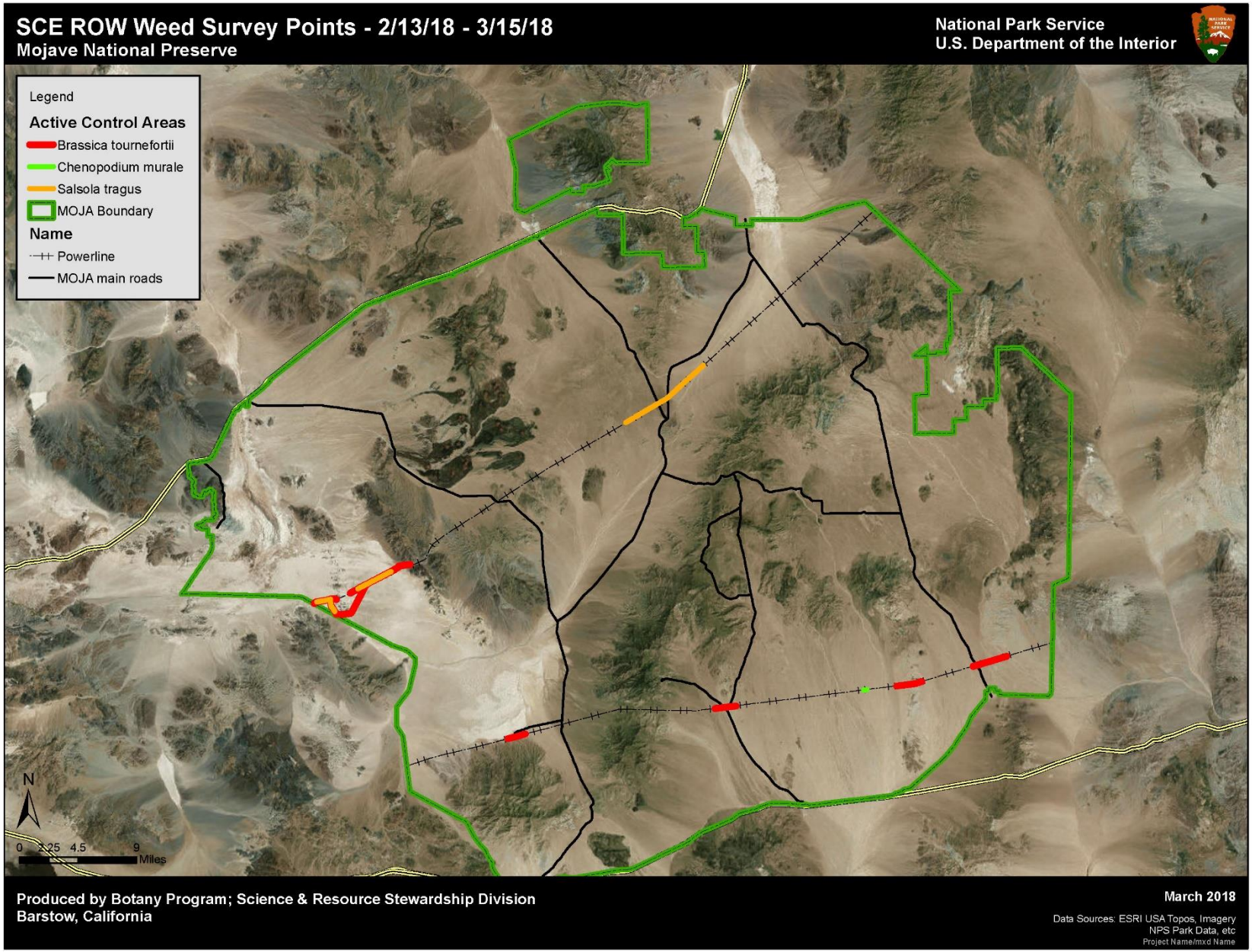

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
SATR12
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name

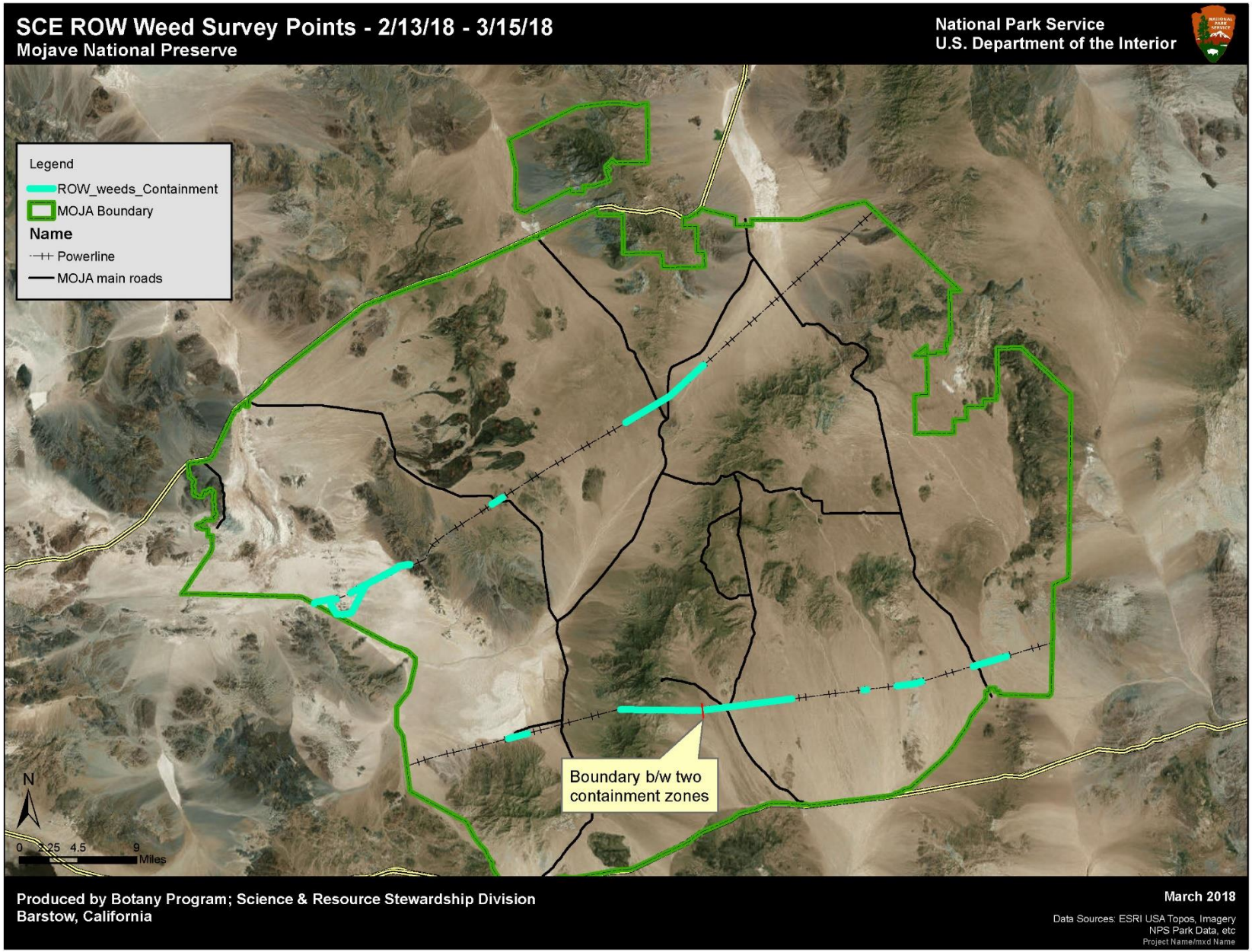

SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
SCBA
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name


SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
SIAL2
Present
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name


SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
SOOL
Present
MOJA Boundary
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name


SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
MOJA Boundary
TRTE
Present (scattered)
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name


SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
Active Control Areas
Brassica tournefortii
Chenopodium murale
Salsola tragus
MOJA Boundary
Name
Powerline
MOJA main roads
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name


SCE ROW Weed Survey Points - 2/13/18 - 3/15/18
Mojave National Preserve
National Park Service
U.S. Department of the Interior
Legend
ROW_weeds_Containment
MOJA Boundary
Name
Powerline
MOJA main roads
Boundary b/w two containment zones
N
0 2.25 4.5 9
Miles
Produced by Botany Program; Science & Resource Stewardship Division
Barstow, California
March 2018
Data Sources: ESRI USA Topos, Imagery
NPS Park Data, etc
Project Name/mxd Name