

Biological Resources Technical Report

Antelope Valley Commerce Center Project City of Palmdale, California

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TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1.0 Introduction	1
1.1 Project Location.....	1
1.2 Project Description	1
1.3 Regulatory Setting	1
1.3.1 Federal	1
1.3.2 State	4
1.3.3 Regional	8
1.3.4 Local	9
2.0 Methods	11
2.1 Literature Review	11
2.2 Vegetation Mapping and General Surveys.....	11
2.3 Focused Surveys.....	12
2.3.1 Special Status Plants/Native Desert Plants	12
2.3.2 Joshua Tree.....	13
2.3.3 Desert Tortoise	13
2.3.4 Swainson's Hawk.....	14
2.3.5 Burrowing Owl	15
2.3.6 Mohave Ground Squirrel.....	17
2.4 Jurisdictional Delineation.....	18
3.0 Existing Biological Resources.....	19
3.1 Physical Environmental Setting	19
3.1.1 Regional Environment	19
3.1.2 Climate.....	20
3.1.3 Local Environment.....	20
3.2.1 Disturbed Big Sagebrush - Rubber Rabbitbrush Scrub	21
3.2.2 Rubber Rabbitbrush Scrub	21
3.2.3 Disturbed Rubber Rabbitbrush - Nevada Ephedra Scrub.....	22
3.2.4 Rubber Rabbitbrush - Nevada Ephedra Scrub/Joshua Tree Woodland..	22
3.2.5 Nevada Ephedra - Cheesebush - Cooper's Box Thorn/Joshua Tree Woodland	22
3.2.6 Creosote Bush Scrub.....	22
3.2.7 Joshua Tree Woodland and Disturbed Joshua Tree Woodland.....	23
3.2.1 Other Landcover.....	23
3.3 Wildlife Populations and Movement Patterns	23
3.3.1 Fish.....	23
3.3.2 Amphibians.....	23
3.3.3 Reptiles.....	24
3.3.4 Birds	24
3.3.5 Mammals	24
3.3.6 Wildlife Movement	25

3.4	Special Status Biological Resources	27
3.4.1	<i>Definitions</i>	27
3.4.2	<i>Special Status Vegetation Types</i>	29
3.4.3	<i>Jurisdictional Resources</i>	29
3.4.4	<i>Special Status Plants</i>	31
3.4.5	<i>Special Status Trees</i>	34
3.4.6	<i>Special Status Wildlife</i>	35
4.0	Project Impacts	45
4.1	Introduction	45
4.2	Significance Criteria	46
4.3	Direct Impacts	48
4.3.1	<i>Vegetation Types and Other Areas</i>	48
4.3.2	<i>Wildlife</i>	49
4.3.3	<i>Special Status Biological Resources</i>	50
4.3.4	<i>West Mojave Plan</i>	53
4.4	Indirect Impacts	53
4.4.1	<i>Water Quality</i>	53
4.4.2	<i>Noise and Vibration</i>	53
4.4.3	<i>Night Lighting</i>	54
4.4.4	<i>Invasive Exotic Plant Species</i>	54
4.4.5	<i>Human Activity</i>	55
5.0	Mitigation Measures	56
6.0	Level of Significance After Mitigation	63
7.0	References	64

TABLES

<u>Table</u>	<u>Page</u>
1 Summary of Survey Data and Conditions for Desert Tortoise Surveys	14
2 Summary of Survey Data and Conditions for Swainson's Hawk Surveys.....	15
3 Summary of Burrowing Owl Surveys	16
4 Vegetation Types and Other Areas	21
5 Summary of Jurisdictional Resources on the Project Site.....	30
6 Special Status Plant Species Reported from the Project Region.....	32
7 Summary of Survey Results.....	33
8 California Desert Native Plants	34
9 Trees Regulated by the City of Palmdale.....	34
10 Special Status Wildlife Species Reported from the Project Region	36
11 Vegetation Types and Other Areas Impacted by the Project	48

EXHIBITS

<u>Exhibit</u>	<u>Follows Page</u>
1 Regional Location and Local Vicinity	1
2 USGS 7.5-Minute Quadrangle Map	1
3 Proposed Site Plan	1
4 Soils Map	20
5 Vegetation Types and Other Areas	21
6 Jurisdictional Resources	30
7 Biological Resource Impacts	31
8 Joshua Tree Impacts.....	31

APPENDICES

Appendix

A	Representative Site Photographs
B	Plant and Wildlife Compendia
C	Special Status Plant Survey Report
D	Joshua Tree Survey Report
E	Desert Tortoise Survey Report
F	Swainson's Hawk Survey Report
G	Burrowing Owl Survey Report
H	Mohave Ground Squirrel Survey Report
I	Jurisdictional Delineation Report
J	Impact Phasing Letter Report

1.0 INTRODUCTION

This Biological Resources Technical Report has been prepared to support California Environmental Quality Act (CEQA) documentation for the Antelope Valley Commerce Center Project (hereinafter referred to as the "Project"). This information has been reported in accordance with accepted scientific and technical standards that are consistent with the requirements of the U.S. Fish and Wildlife Service (USFWS) and the California Department of Fish and Wildlife (CDFW).

1.1 PROJECT LOCATION

The proposed Project is located on approximately 434 acres in the southern portion of the Antelope Valley in the City of Palmdale. The Project site is situated south of Columbia Way, east of Sierra Hwy and the Pacific Union railroad alignment, north of Avenue M-12, and west of 15th Street E (Exhibit 1). The Project site is located on the Lancaster East U.S. Geologic Survey 7.5-minute quadrangle map (Exhibit 2).

1.2 PROJECT DESCRIPTION

A General Plan Amendment and Zone Change are proposed to designate the property as "Specific Plan." A Specific Plan is proposed to allow for the development of the 433.7-acre property with approximately 379.4 acres of industrial uses, 7.1 acres of commercial-flex uses, to allocate approximately 26.8 acres for open space and 20.4 acres for roadways. The Specific Plan would permit up to 8,263,332 square feet (SF) of industrial building space intended to accommodate a mixture of manufacturing, warehousing, parcel hub, fulfillment center, light industrial and associated uses, and approximately 61,855 SF of commercial-flex building space intended to accommodate commercial retail and small-scale manufacturing and sales. A Tentative Parcel Map is proposed to subdivide the Specific Plan area into 15 parcels and three lettered lots to facilitate future development. A Site Plan is provided as Exhibit 3.

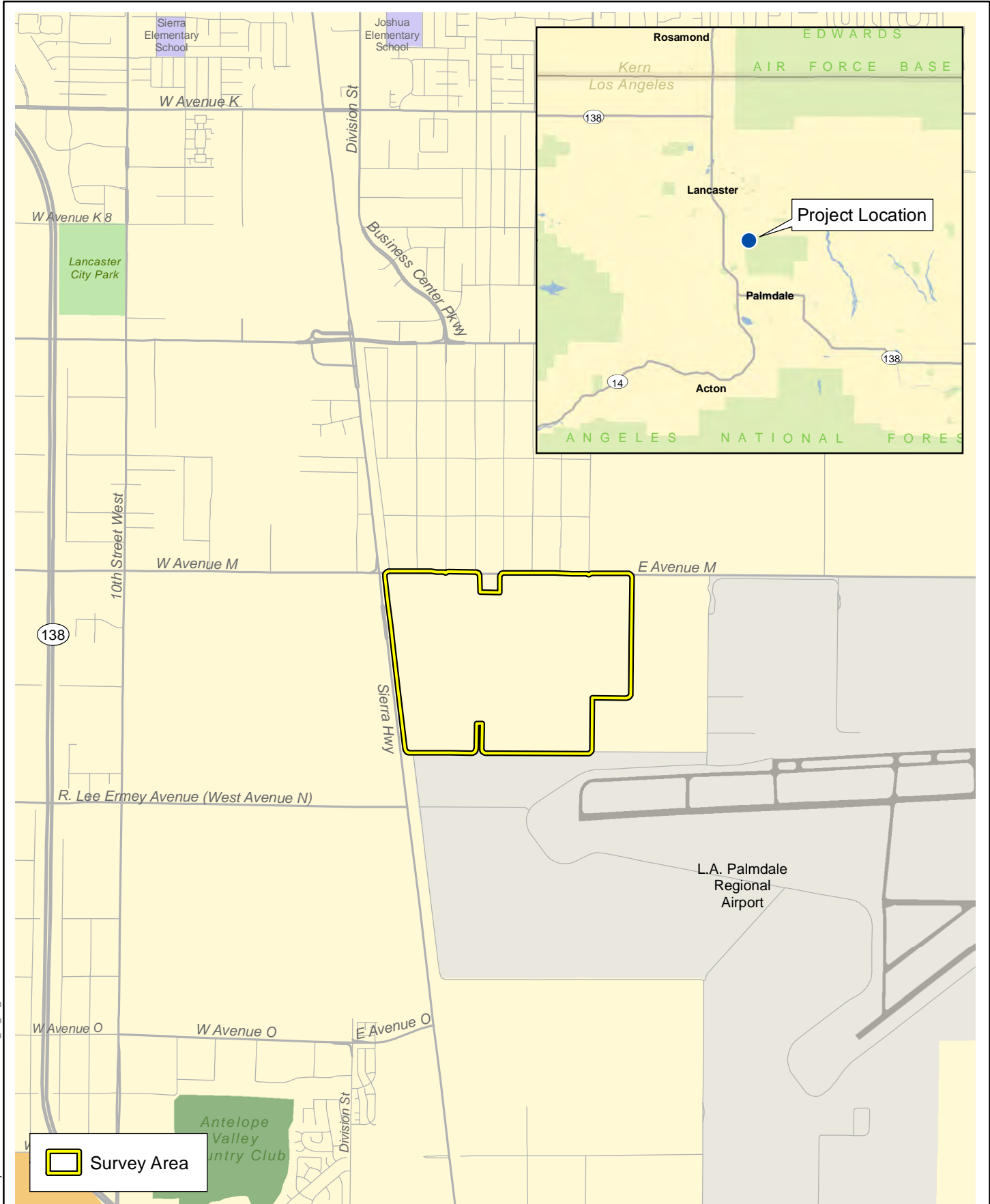
Development of the Specific Plan area is expected to occur in four (4) phases. A Site Plan Review is proposed for Phase I, comprised of six industrial buildings in the northern portion of the property and including: Building 1 (142,565 SF), Building 2 (147,145 SF), Building 3 (135,520 SF), Building 4 (680,420 SF), Building 5 (1,004,180 SF), and Building 6 (274,870 SF). Specific development plans for remaining phases are not proposed at this time.


1.3 REGULATORY SETTING

1.3.1 Federal

National Environmental Policy Act

The National Environmental Policy Act (NEPA) establishes a broad national framework for protecting the environment. NEPA's basic policy is to assure that all branches of government give proper consideration to the environment prior to undertaking any major federal action that significantly affects the environment (42 *United States Code* [USC] 4321-4347). NEPA established the U.S. Environmental Protection Agency (USEPA) with the following roles and functions: (1) to establish and enforce environmental protection standards consistent with national environmental goals; (2) to conduct research on the adverse effects of pollution and on methods and equipment for controlling it; the gathering of information on pollution; and the use of this information in strengthening environmental protection programs and recommending policy changes; (3) to assist, through grants, technical assistance, and other means, in arresting



 Survey Area

Regional Location and Local Vicinity

Antelope Valley Commerce Center Project

Exhibit 1

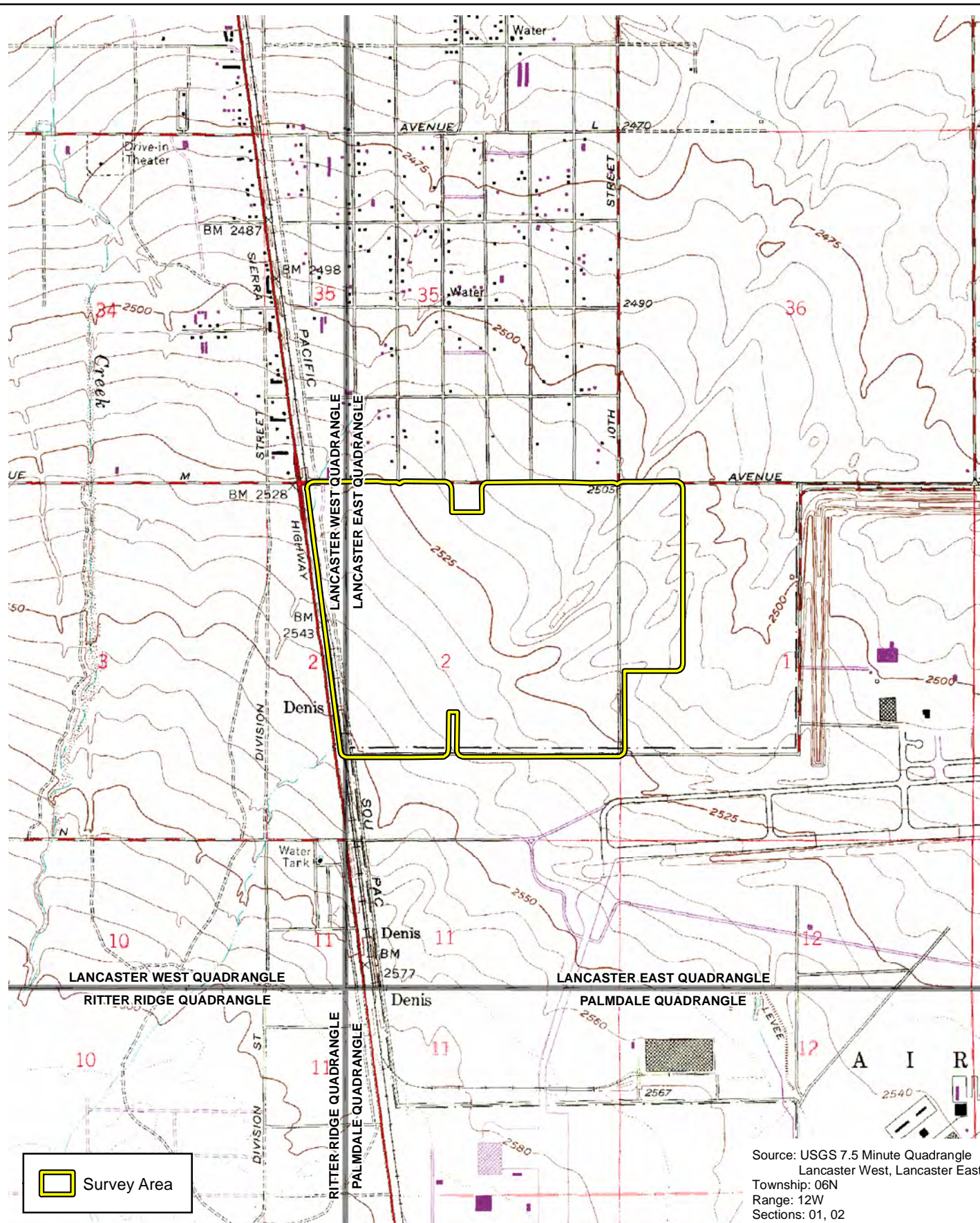


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USGS 7.5-Minute Quadrangle Map

Antelope Valley Commerce Center Project

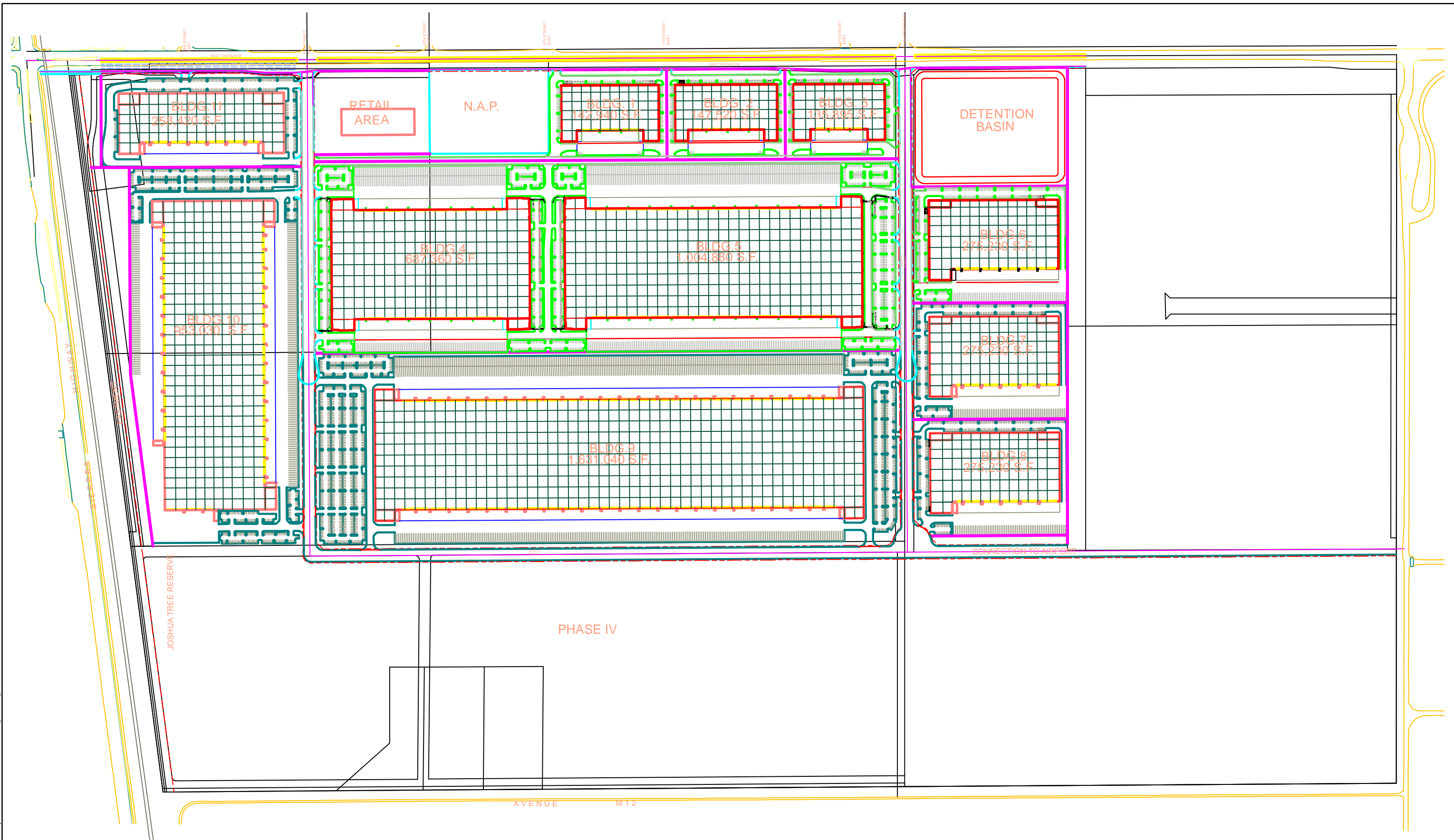
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Proposed Site Plan

Antelope Valley Commerce Center Project

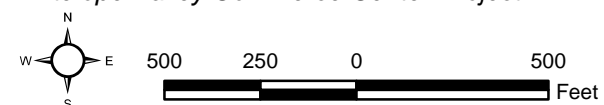


Exhibit 3



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pollution of the environment; and (4) to assist the Council on Environmental Quality in developing and recommending to the President new policies for the protection of the environment.

Federal Endangered Species Act

The Federal Endangered Species Act (FESA) protects plants and animals that the USFWS has listed as “Endangered” or “Threatened.” A federally listed species is protected from unauthorized “take,” which is defined in the FESA as acts to “harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect or attempt to engage in any such conduct” (16 USC Sections 1532[19] and 1538[a]). In this definition, “harm” includes “any act which actually kills or injures fish or wildlife, and emphasizes that such acts may include significant habitat modification or degradation that significantly impairs essential behavioral patterns of fish or wildlife” (50 *Code of Federal Regulations* [CFR], Title 50, Section 17.3). Unless performed for scientific or conservation purposes with the permission of the USFWS, take of listed species is only permissible if the USFWS issues an Incidental Take Permit (ITP). When issuing an ITP, all federal agencies, including the USFWS, must ensure that their activities are “not likely to jeopardize the continued existence of any endangered species or threatened species or result in the destruction or adverse modification of habitat of such species” (16 USC 1536[a]). Enforcement of the FESA is administered by the USFWS.

The FESA also provides for designation of Critical Habitat: specific areas within the geographical range occupied by a species where physical or biological features “essential to the conservation of the species” are found and “which may require special management considerations or protection” (16 USC 1538[5][A]). Critical Habitat may also include areas outside the current geographical area occupied by the species that are nonetheless essential for the conservation of the species.

Fish and Wildlife Coordination Act

The Fish and Wildlife Coordination Act requires consultation with the USFWS and the fish and wildlife agencies of States where the “waters of any stream or other body of water are proposed or authorized, permitted or licensed to be impounded, diverted . . . or otherwise controlled or modified” by any agency under a federal permit or license. Consultation is to be undertaken for the purpose of “preventing loss of and damage to wildlife resources.”

Sections 404 and 401 of the Clean Water Act of 1972

Section 404 of the Clean Water Act (CWA) (33 USC 1251 et seq.) regulates the discharge of dredged or fill material into waters of the United States, including wetlands. The U.S. Army Corps of Engineers (USACE) is the designated regulatory agency responsible for administering the 404 permit program and for making jurisdictional determinations. This permitting authority applies to all waters of the United States where the material has the effect of (1) replacing any portion of waters of the United States with dry land or (2) changing the bottom elevation of any portion of waters of the United States. These fill materials would include sand, rock, clay, construction debris, wood chips, and materials used to create any structure or infrastructure in waters of the United States. Dredge and fill activities are typically associated with development projects; water resource-related projects; infrastructure development; and wetland conversion to farming, forestry, or urban development.

Under Section 401 of the CWA, an activity requiring a USACE Section 404 permit must obtain a State Water Quality Certification (or waiver thereof) to ensure that the activity will not violate established federal or State water quality standards. The State Water Resources Control Board (SWRCB), in conjunction with the nine California Regional Water Quality Control Boards (RWQCBs), is responsible for administering the Section 401 water quality certification program.

Under Section 401 of the federal CWA, an activity involving discharge into a water body must obtain a federal permit and a State Water Quality Certification to ensure that the activity will not violate established water quality standards. The SWRCB's and RWQCBs' jurisdiction also extend to all "waters of the State" when no waters of the United States are present, including wetlands and non-wetland waters of the State (isolated and non-isolated). The USEPA is the federal regulatory agency responsible for implementing the CWA. However, it is the SWRCB, in conjunction with the nine RWQCBs, who essentially has been delegated the responsibility of administering the water quality certification (Section 401) program.

The Navigable Waters Protection Rule was published in the Federal Register on April 21, 2020, and became effective on June 22, 2020. The Navigable Water Protection Rule provides new regulatory text defining waters of the United States. One of the major changes to the definition of waters of the United States is that ephemeral waters are no longer subject to USACE regulation under the CWA.

On May 28, 2020, the SWRCB's issued *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to waters of the State* went into effect. Under these new regulations, the SWRCB and its nine RWQCBs will assert jurisdiction over all existing waters of the United States and all waters that would have been considered waters of the United States under the definition that existed prior to the 2020 Navigable Waters Protection Rule (i.e., ephemeral waters). Thus, the waters of the United States that would no longer be under USACE jurisdiction following the Navigable Waters Protection Rule would still be under the SWRCB's jurisdiction as waters of the State.

Migratory Bird Treaty Act of 1918

The Migratory Bird Treaty Act (MBTA) of 1918 (16 USC 703–711), as amended in 1972, makes it unlawful at any time, by any means or in any manner, unless permitted by regulations, to "pursue; hunt; take; capture; kill; attempt to take, capture, or kill; possess; offer for sale; sell; offer to barter; barter; offer to purchase; purchase; deliver for shipment; ship; export; import; cause to be shipped, exported or imported; deliver for transportation; transport or cause to be transported; carry or cause to be carried; or receive for shipment, transportation, carriage, or export, any migratory bird; any part, nest, or eggs of any such bird; or any product, whether or not manufactured, which consists, or is composed in whole or part, of any such bird or any part, nest, or egg thereof. . . ." (16 USC 703).

The MBTA covers the taking of any nests or eggs of migratory birds, except as allowed by permit pursuant to 50 CFR, Part 21. This regulation seeks to protect migratory birds and active nests. The MBTA protects over 800 species, including geese, ducks, shorebirds, raptors, songbirds, and many relatively common species. Bird species protected under the provisions of the MBTA are identified by the List of Migratory Birds (50 CFR 10.13), as updated by the 1983 American Ornithological Society (AOS) Checklist and published supplements by the USFWS.

In 1972, the MBTA was amended to include protection for migratory birds of prey (e.g., raptors). Six families of raptors occurring in North America were included in the amendment: Accipitridae (kites, hawks, and eagles); Cathartidae (New World vultures); Falconidae (falcons and caracaras); Pandionidae (ospreys); Strigidae (typical owls); and Tytonidae (barn owls). The provisions of the 1972 amendment to the MBTA protect all species and subspecies of these families.

Bald and Golden Eagle Protection Act

The Bald and Golden Eagle Protection Act (16 USC 668) provides for the protection of the bald eagle (*Haliaeetus leucocephalus*) and the golden eagle (*Aquila chrysaetos*) by prohibiting, except

under certain specified conditions, the taking, possession, and commerce of such birds. The 1972 amendments increased penalties for violating provisions of the Act and strengthened other enforcement measures. A 1978 amendment authorizes the Secretary of the Interior to permit the taking of golden eagle nests that interfere with resource development or recovery operations.

A 1994 Memorandum from President William Clinton to the heads of Executive Agencies and Departments establishes the policy concerning collection and distribution of eagle feathers for Native American religious purposes.

1.3.2 **State**

California Environmental Quality Act

CEQA (13 *Public Resources Code* Sections 21000 et seq.) is a statute that requires State and local agencies to identify the significant environmental impacts of their actions and to avoid or mitigate those impacts, if feasible. The CEQA Guidelines (14 *California Code of Regulations* Chapter 3) are the regulations that explain and interpret the law for both public agencies and private development required to administer CEQA.

With regards to plants and animals, Section 15380 of the CEQA Guidelines independently defines “Endangered” and “Rare” species separately from the definitions of the California Endangered Species Act (CESA). Under CEQA, Endangered species of plants or animals are defined as those whose survival and reproduction in the wild are in immediate jeopardy, while Rare species are defined as those that (1) have such low numbers that they could become Endangered if their environment worsens or (2) are likely to become endangered within the foreseeable future (i.e., “threatened” as used in the FESA). In addition, a Lead Agency can consider a non-listed species (e.g., species with a California Rare Plant Rank [CRPR], California Species of Special Concern, or species of Local Concern) to be treated as if it were Endangered, Rare, or Threatened for the purposes of CEQA if the species can be shown to meet the criteria in the definition of “Rare” or “Endangered” in the project region.

The CEQA Guidelines designates certain “trustee agencies” that have jurisdiction by law over natural resources affected by a project which are held in trust for the people of California. The CDFW is the trustee responsible for conservation, protection, and management of wildlife, native plants, and habitat necessary to maintain biologically sustainable populations. Trustee agencies are generally required to be notified of CEQA documents relevant to their jurisdiction, whether or not these agencies have actual permitting authority or approval power over aspects of the underlying project. The CDFW shall provide the requisite biological expertise to review and comment upon environmental documents and impacts arising from project activities and shall make recommendations regarding those resources held in trust for the people of California (*California Fish and Game Code* §1802).

California Endangered Species Act

The State of California implements the CESA which is enforced by the CDFW. While the provisions of the CESA are similar to the FESA, CDFW maintains a list of California Threatened and Endangered species, independent of the FESA Threatened and Endangered species list. It also lists species that are considered Rare and Candidates for listing, which also receive protection. The California list of Endangered and Threatened species is contained in Title 14, Sections 670.2 (plants) and 670.5 (animals) of the *California Code of Regulations*.

State-listed Threatened and Endangered species are protected under provisions of the CESA. Activities that may result in take of individuals (defined in CESA as acts to “hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill”) are regulated by the CDFW.

While habitat degradation or modification is not included in the definition of take under CESA, the CDFW has interpreted take to include the destruction of nesting, denning, or foraging habitat necessary to maintain a viable breeding population of protected species.

If it is determined that the take would not jeopardize the continued existence of the species, an ITP can be issued by CDFW per Section 2081 of the *California Code of Regulations* or per the Joshua Tree Conversation Act (for Joshua trees only). If a State-listed species is also federally listed, and the USFWS has issued an ITP that satisfies CDFW's requirements, CDFW may issue a consistency finding in accordance with Section 2080.1 of the *California Fish and Game Code*.

California Desert Native Plants Act

The California Desert Native Plants Act, codified in Sections 80001–80201 of the *California Food and Agricultural Code*, was enacted to protect California desert native plants from unlawful harvesting on both public and privately owned lands. This act is applicable within Imperial, Inyo, Kern, Los Angeles, Mono, Riverside, San Bernardino, and San Diego counties. Within these counties, the act prohibits the harvest, transport, sale, or possession of specific native desert plants without a valid permit or wood receipt and with the required tags and seals. The appropriate permits, tags, and seals must be obtained from the sheriff or commissioner of the county where collecting will occur; and the county will charge a fee.

The following native plants, or any parts thereof, may not be harvested except for scientific or educational purposes under a permit issued by the commissioner of the county in which the native plants are growing:

- All species of family Burseraceae (elephant tree);
- *Carnegiea gigantea* (saguaro cactus);
- *Ferocactus acanthodes* (barrel cactus)¹;
- *Castela emoryi* (crucifixion thorn);
- *Dudleya saxosa* (Panamint dudleya);
- *Pinus longaeva* (bristlecone pine); and
- *Washingtonia filifera* (fan palm).

The following native plants, or any part thereof, may not be harvested except under a permit issued by the commissioner or the sheriff of the county in which the native plants are growing:

- All species of the family Agavaceae (century plants, nolinias, yuccas);
- All species of the family Cactaceae (cacti), except for the plants listed in subdivisions (b) and (c) of Section 80072, which may be harvested under a permit obtained pursuant to that section;
- All species of the family Fouquieriaceae (ocotillo, candlewood);
- All species of the genus *Prosopis* (mesquites);
- All species of the genus *Cercidium* (palos verdes);
- *Acacia greggii* (catclaw);

¹ *Ferocactus acanthodes* is not currently recognized by the Jepson Flora Project (2016). It is assumed to mean either of the two recognized species of *Ferocactus* in California, the California barrel cactus (*Ferocactus cylindraceus*), or the San Diego barrel cactus (*Ferocactus viridescens*).

- *Atriplex hymenelytra* (desert-holly);
- *Dalea spinosa* (smoke tree); and
- *Olneya tesota* (desert ironwood), including both dead and live desert ironwood.

California State Legislature

California State Legislature passed the Western Joshua Tree Conservation Act (Assembly Bill AB1008) on June 27, 2023, which was signed by Governor Gavin Newsom on July 10, 2023, and retroactively took effect July 1, 2023. This bill, among other things, would authorize the department to authorize, by permit, the taking of a western Joshua tree if specified conditions are met, including, but not limited to, that the permittee mitigates all impacts to, and taking of, the western Joshua tree. The bill would authorize, in lieu of completing the mitigation measures on its own, a permittee to elect to satisfy the mitigation obligation by paying a fee pursuant to a specified fee schedule. The bill would require the department to present the final conservation plan at a public meeting of the commission, for its review and approval, by December 31, 2024, and would require the commission to take final action on the plan by June 30, 2025.

The bill's in-lieu fee Joshua tree mitigation fund is available for projects located in the area bounded by the intersection of Highway 58 and Interstate 5, then east along Highway 58 to the intersection of Interstate 15, then north along Interstate 15 to the intersection of Highway 247, then south along Highway 247 to the intersection of Highway 18, then west along Highway 18 to the intersection of Highway 138, then west and north along Highway 138 to the intersection of Interstate 5, then north along Interstate 5 to Highway 58. Alternatively, in-lieu fees can be paid in areas outside of the geographical area described above if the project is in a jurisdiction that has entered into an agreement with the State pursuant to this bill. The Project site is located within the bill's in-lieu fee Joshua tree mitigation fund area.

Updates, an interactive map, and additional information regarding the Western Joshua Tree Conservation Act can be found at www.wildlife.ca.gov/Conservation/Environmental-Review/WJT.

California Fish and Game Code

The CDFW administers the *California Fish and Game Code*. Particular sections of the Code are applicable to natural resource management.

Native Plant Protection

Sections 1900–1913 of the *California Fish and Game Code* were developed to preserve, protect, and enhance Endangered and Rare plants in the State of California. The act requires all State agencies to use their authority to carry out programs to conserve Endangered and Rare native plants. Provisions of the Native Plant Protection Act prohibit the taking of listed plants from the wild and require notification of the CDFW at least ten days in advance of any change in land use that would adversely impact listed plants. This allows the CDFW to salvage listed plant species that would otherwise be destroyed.

Unlawful Take or Destruction of Nests or Eggs

These sections duplicate federal protection under the MBTA. Section 3503 of the *California Fish and Game Code* makes it unlawful to take, possess, or destroy any bird's nest or any bird's eggs. Further, any birds in the orders *Falconiformes* or *Strigiformes* (birds of prey, such as hawks, eagles, and owls) and their nests and eggs are protected under Section 3503.5 of the *California Fish and Game Code*. Section 3513 of the *California Fish and Game Code* prohibits the take and possession of any migratory nongame bird, as designated in the MBTA.

California Fully Protected Species

The State of California created the “Fully Protected” classification in an effort to identify and provide additional protection to those animals that are rare or that face possible extinction. Lists were created for fish, amphibians and reptiles, birds, and mammals. Most of the species on these lists have subsequently been listed under the State and/or federal Endangered Species Acts; however, some have not been formally listed.

Various sections of the *California Fish and Game Code* provide lists of Fully Protected reptile and amphibian (§ 5050), bird (§ 3511), and mammal (§ 4700) species that may not be taken or possessed at any time, except as provided in Sections 2081.7, 2081.9, or 2835. The CDFW is unable to authorize the issuance of permits or licenses to take these species, except for necessary scientific research.

Fur-Bearing Mammals

Section 460 of the *California Fish and Game Code* prohibits the taking of the following fur-bearing mammals: fisher (*Martes pennanti*), American marten [marten] (*Martes americana*), North American river otter [river otter] (*Lontra canadensis*), desert kit fox (*Vulpes macrotis arsipus*), and red fox (*Vulpes vulpes*).

Natural Communities Conservation Planning Act

The Natural Community Conservation Planning Act, codified in Sections 2800–2835 of the *California Fish and Game Code* and signed into law on October 1991, authorizes the preparation of Natural Community Conservation Plans (NCCPs). The Act is a State of California effort to protect critical vegetative communities and their dependent wildlife species. The purpose of an NCCP is to sustain and restore those species and their habitat identified by the CDFW that are necessary to maintain the continued viability of those biological communities impacted by human changes to the landscape. The NCCP process provides an alternative to protecting species on a “single species basis” as in the federal and State Endangered Species Acts. Under the Act, the CDFW is responsible for creating process planning and conservation guidelines for NCCP programs. Local governments and landowners may then prepare the NCCPs so that they comply with the CESA.

California Fish and Game Code (Sections 1600 through 1616)

California Fish and Game Code Sections 1600 et seq. establish a process to ensure that projects conducted in and around lakes, rivers, or streams do not adversely impact fish and wildlife resources or, when adverse impacts cannot be avoided, ensures that adequate mitigation and/or compensation is provided.

California Fish and Game Code Section 1602 requires any person, State, or local governmental agency or public utility to notify the CDFW before beginning any activity that will do one or more of the following:

- substantially obstruct or divert the natural flow of a river, stream, or lake;
- substantially change or use any material from the bed, channel, or bank of a river, stream, or lake; or
- deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it can pass into a river, stream, or lake.

Section 1602 of the *California Fish and Game Code* applies to all perennial, intermittent, and ephemeral rivers, streams, and lakes in the State. CDFW's regulatory authority extends to include riparian habitat (including wetlands) supported by a river, stream, or lake regardless of the presence or absence of hydric soils and saturated soil conditions. Generally, the CDFW takes jurisdiction to the top bank of the stream or to the outer limit of the adjacent riparian vegetation (outer drip line), whichever is greater. Notification is generally required for any project that will take place in or in the vicinity of a river, stream, lake, or their tributaries. This includes rivers or streams that flow at least periodically or permanently through a bed or channel with banks that support fish or other aquatic life and watercourses having a surface or subsurface flow that support or have supported riparian vegetation. A Section 1602 Lake or Streambed Alteration Agreement would be required if impacts to identified CDFW jurisdictional areas occur.

California Porter-Cologne Water Quality Control Act

Pursuant to the California Porter-Cologne Water Quality Control Act, the SWRCB and the nine RWQCBs may require permits (known as "Waste Discharge Requirements" or WDRs) for the fill or alteration of the waters of the State. The term "waters of the State" is defined as "any surface water or groundwater, including saline waters, within the boundaries of the state" (*California Water Code*, Section 13050[e]). The SWRCB and RWQCB have interpreted their authority to require WDRs to extend to any proposal to fill or alter waters of the State, even if those same waters are not under USACE jurisdiction. Pursuant to this authority, the State and Regional Boards may require the submission of a "report of waste discharge" under Section 13260, which is treated as an application for WDRs.

The Porter-Cologne Water Quality Control Act charges the SWRCB and the nine RWQCBs statewide with protecting water quality throughout California. Typically, the SWRCB and RWQCB act in concert with the USACE under Section 401 of the CWA in relation to permitting fill of federally jurisdictional waters. SWRCB and the RWQCBs may require permits (WDRs) for the fill or alteration of the waters of the State.

1.3.3 Regional

West Mojave Plan

The West Mojave Plan is an amendment to the California Desert Conservation Area Plan that represents a collaboration of resource agencies, local jurisdictions, and others with a stake in the future of the western Mojave Desert. The Bureau of Land Management (BLM) is the federal Lead Agency, and the State Lead Agencies are the County of San Bernardino and the City of Barstow. The West Mojave Plan includes the West Mojave Desert area encompassing 9.3 million acres in Inyo, Kern, Los Angeles, and San Bernardino Counties: 3.3 million acres of public lands administered by the BLM, 3.0 million acres of private lands, 102,000 acres administered by the State of California, and the balance of military lands administered by the Department of Defense. A Final Environmental Impact Report and Statement for the West Mojave Plan was prepared in 2005. While the USFWS issued a Biological Opinion for the federal portion of the plan in 2006, the State portion of the plan has not been permitted. Until the State portion of the plan is passed, it cannot be used by State or private entities.

The West Mojave Plan establishes a regional biological strategy to conserve plant and animal species and their habitats and prevent future listing and provides for an efficient, equitable, and cost-effective process for complying with Threatened and Endangered species law. The West Mojave Plan addresses desert tortoise (*Gopherus agassizii*), Mohave ground squirrel (*Xerospermophilus mohavensis*), and over 100 species of plants and animals; designates Areas of Critical Environmental Concern and other special management areas specifically designed to promote species conservation; designates routes of travel on public lands; and establishes other

management prescriptions to guide grazing, mineral exploration and development, recreation, and other public land uses.

1.3.4 Local

City of Palmdale General Plan

The City will require biological assessments and reports for projects in known or suspected natural habitat areas prior to project approval. These reports will be used to establish significant natural habitat areas and ecologically sensitive zones in order to prevent disturbance and degradation of these areas. Recommended mitigation measures as identified in the reports will be required to be implemented as development occurs (City of Palmdale 2022a). Stated goals and policies that relate to biological resources include the following:

- Goal CON-1: Protect Significant Ecological Areas in and around the City, including, but not limited to, sensitive flora and fauna habitat areas.
- Policy CON-1.2: Joshua and Juniper trees. Continue enforcing the City's Native Vegetation Ordinance to protect western Joshua Trees and Juniper Trees.

Palmdale Municipal Code

Palmdale Municipal Code Ordinance No. 952, Chapter 14.04, Native Desert Vegetation Preservation, establishes regulations and standards to preserve desert vegetation in the City. This ordinance is designed to protect western Joshua trees (*Yucca brevifolia*) and California Juniper trees (*Juglans californica*) in the City. The Ordinance was originally adopted in 1992 and was amended by Emergency Ordinance No. 1556 in 2020 in response to the California Fish and Game Commission's vote to list the western Joshua tree as a candidate species under the CESA (Fish & G. Code, § 2050 *et seq.*).

Per the Native Desert Vegetation Ordinance, western Joshua Trees (dead trees or dead limbs) and California Junipers trees shall not be removed from any parcel of land unless a permit has been obtained from the City. Furthermore, any development proposal on a parcel of land containing native desert vegetation requires a desert vegetation preservation plan prepared in compliance with the Palmdale Municipal Code. Listing of the western Joshua tree as a Candidate under the CESA gives that species additional legal protections, such that any take of the species (including removal of western Joshua tree or similar actions) requires an ITP from CDFW. In keeping with the intent of this Ordinance, the City may require preservation of significant stands through use of the Specific Plan process or equivalent planning process, and through design review processes on individual projects (City of Palmdale 2022b).

County of Los Angeles General Plan

The County of Los Angeles General Plan Natural Environment element provides the following policies and specific actions related to biological resources. Although the proposed Project would not be subject to the County's General Plan policies, the following policies from the County of Los Angeles General Plan Natural Environment element pertain to biological resources in unincorporated parts of the Planning Area (County of Los Angeles 2015):

- Policy C/NR 3.1: Conserve and enhance the ecological function of diverse natural habitats and biological resources.
- Policy C/NR 3.3: Restore upland communities and significant riparian resources, such as degraded streams, rivers, and wetlands to maintain ecological function—acknowledging

the importance of incrementally restoring ecosystem values when complete restoration is not feasible.

- Policy C/NR 3.6: Assist State and federal agencies and other agencies, as appropriate, with the preservation of special status species and their associated habitat and wildlife movement corridors through the administration of the Significant Ecological Areas (SEAs) and other programs.
- Policy C/NR 3.7: Participate in inter-jurisdictional collaborative strategies that protect biological resources.

2.0 **METHODS**

This section summarizes survey methods employed by Psomas, Glenn Lukos Associates, and Elanco Biologists when present on-site conducting various biological surveys during the period of March through July 2022. The study area discussed in this report includes the Project area plus a 50-foot buffer. The limits of survey areas for each of the focused surveys and the jurisdictional delineation are discussed below.

2.1 **LITERATURE REVIEW**

Prior to the start of surveys, Psomas conducted a literature search to identify special status plants, wildlife, and habitats reported from the vicinity of the study area; the searches were updated as needed. The study area region is generally defined as the U.S. Geological Survey's (USGS') Palmdale, Lancaster East, Lancaster West, Alpine Butte, Littlerock, and Ritter Ridge 7.5-minute quadrangles. The following sources of information were consulted:

- The CDFW's California Natural Diversity Database (CNDDB) (CDFW 2022a)
- The California Native Plant Society's (CNPS') Inventory of Rare and Endangered Plants (CNPS 2022)
- Calflora (2022)
- The CDFW's *Natural Communities List* (CDFW 2022c), *Special Animals List* (CDFW 2022d), and *Special Vascular Plants, Bryophytes, and Lichens List* (CDFW 2022b)
- California Desert Native Plant Protection Act list of regulated plant species
- Palmdale 2045 General Plan Update Draft Environmental Impact Report (City of Palmdale 2022a)
- Palmdale Municipal Code (City of Palmdale 2022b)
- California Department of Food and Agriculture noxious weed lists (CDFA 2016)
- West Mojave Plan (BLM 2005; BLM 2012)
- Environmental Assessment with Finding of No Significant Impacts, Facility Expansion of Air Force Plant 42 (Psomas 2016)

2.2 **VEGETATION MAPPING AND GENERAL SURVEYS**

Vegetation on the Project site was mapped, and general plant and wildlife surveys were conducted by Psomas Biologist Sarah Thomas on March 10, 2022. The purpose of the surveys was to document existing biological resources in the study area and to evaluate its potential to support special status species. Vegetation was mapped in the field on an aerial photograph at a scale of 1 inch equals 200 feet (1" = 200'). Vegetation classification follows that of *A Manual of California Vegetation (Second Edition)* (Sawyer et al. 2009) when feasible. This provides the most current naming scheme and is the classification currently used by the CDFW. Representative photographs of the study area are included in Appendix A.

Plant and wildlife species observed during the surveys were recorded in field notes and are listed in Appendix B. Plant species were identified in the field or collected for later identification. Plants were identified using taxonomic keys, descriptions, and illustrations in Baldwin et al. (2012), Hickman (1993), and Munz (1974). Plants were identified to the taxonomic level necessary to determine whether or not they are a special status species. Nomenclature of plant taxa conform to the *Special Vascular Plants, Bryophytes, and Lichens List* (CDFW 2022b) for special status

species, and the Jepson eFlora (Jepson Flora Project 2022) for all other taxa; ornamental species not listed in the Jepson eFlora are named based on the *Sunset Western Garden Book* (Brenzel 2007).

Active searches for reptiles and amphibians included lifting, overturning, and carefully replacing objects such as rocks, boards, and debris. Birds were identified by visual and auditory recognition. Mammals were identified by visual recognition or evidence of diagnostic sign including scat, footprints, scratch-outs, dust bowls, burrows, and trails. Nomenclature of wildlife taxa conform to the *Special Animals List* (CDFW 2022d) for special status species; nomenclature for non-special status wildlife generally follows Crother (2012) for amphibians and reptiles, AOS (2021) for birds, and the Smithsonian National Museum of Natural History (2011) for mammals.

2.3 FOCUSED SURVEYS

2.3.1 Special Status Plants/Native Desert Plants

Botanical surveys were floristic in nature and consistent with the protocols created by the CDFW (CDFW 2018). In addition, the surveys were intended to document the plants regulated by the City of Palmdale and the California Desert Native Plants Act and Native Desert Vegetation Preservation Ordinance (Sections 14.04.010-14.04.120). Prior to the field surveys, a literature search was conducted to identify special status plant species reported from the vicinity of the proposed Project site. Sources reviewed include the USGS 7.5-minute quadrangles for Palmdale, Lancaster East, Lancaster West, Alpine Butte, Littlerock, and Ritter Ridge in the CNPS' Locational Inventory of Rare and Endangered Vascular Plants of California (CNPS 2022) and the CDFW's CNDDDB (CDFW 2022a).

According to the National Weather Service, Palmdale received 3.88 inches of precipitation for Water Year 2022 to date (October 1, 2021, through August 31, 2022), which is about 67 percent of the normal average (National Weather Service 2022). Where available, reference populations were monitored for annual and difficult-to-detect target species to ensure that the scheduled surveys were comprehensive. This is especially relevant during periods of unusual rainfall patterns or below-average rainfall. If conditions at a nearby reference population are suitable for germination and growth, then it can be inferred that conditions would also be suitable in the survey area. Reference populations were not monitored for species with a CRPR of 4; perennials (e.g., *Atriplex* species) which would be identifiable throughout the year; or for species with no extant, publicly accessible reference population in the Project region.

Psomas Senior Biologist Allison Rudalevige; Biologists Sarah Thomas, Jack Underwood, John Simon-Parent, and Miranda Scelaro; and Psomas Consulting Senior Botanist Sandy Leatherman conducted special status plant surveys on April 11, 12, 13; and May 9, 10, 11, 2022. The surveys comprised 162.5 total person-hours. The potentially suitable habitats for special status plants within the survey area were systematically surveyed to the extent possible during the site visits. A 50-foot buffer from the Project boundary was surveyed by walking 10 to 20 meter transects depending on shrub cover (Exhibit 3 in Appendix C). All plant species observed were recorded in field notes. Plant species were identified in the field or collected for subsequent identification using keys in Hickman (1993) and Munz (1974). Taxonomy follows Hickman (1993) and/or current scientific data (e.g., scientific journals) for scientific and common names.

Detailed methods and results of the special status plant survey are included as Appendix C.

2.3.2 Joshua Tree

From March through July 2022, a team of five biologist, led by Certified Arborist Trevor Bristle (ISA Certificate No. WE-10233A), walked transects throughout the site to document Joshua trees in the Project boundary plus a 186-foot buffer² (survey area) (Exhibit 3 in Appendix D). Each Joshua tree received a pre-numbered metal tag affixed with a 3-inch metal nail on the north side of the trunk for orientation purposes during potential future transplanting. The location of each tree was recorded using an iPad Mini 6 with an external Bad Elf Global Positional System (GPS) unit. Individual Joshua trees were measured for diameter at breast height (4.5 feet above natural grade), and height. Total branching, spread, number of fresh panicles, and the presence and number of clones was also counted. Whether the tree was flowering or had any lean (e.g., no lean, slight lean, lean, extreme lean not touching ground, extreme lean touching ground) was noted. An overall assessment of health was made on a grading system: excellent, good, fair, poor, critical, dead standing, dead freshly fallen, dead moderately aged, dead severely aged. See Table 1 in Appendix D for a description of each health rating. A photograph was taken of each tree and can be found in Attachment A within Appendix D.

Following the field survey, each tree was assessed for its suitability for transplantation/relocation based on a general health assessment and size threshold (height and minimal branching). Per the City's Joshua Tree Ordinance, only trees less than or equal to 15 feet in height, and in good condition, are recommended for transplanting. Those trees in close proximity to other trees (e.g., clonal) were not selected due to difficulties presented from underground root systems.

Detailed methods and results of the Joshua tree survey are included in Appendix D.

2.3.3 Desert Tortoise

Glenn Lukos Associates Biologists Chris Waterston, David Smith, Jeff Ahrens, Stephanie Cashin, and Zack West conducted focused surveys for the desert tortoise within all potentially suitable habitat areas within the Project site. Surveys were conducted in accordance with the 2018 USFWS Mojave Desert Tortoise Pre-project Survey Protocol, which for "small project areas" (less than 500 acres) requires 10 meter (approximately 33 feet) wide belt transects to cover the entire Action Area, which is defined to be any lands subject to ground-disturbing activities associated with the Project and coincides with the Project site for the purposes of this survey (Exhibit 5 in Appendix E).

Focused surveys were conducted on April 26 and May 20, 2022. Pursuant to the 2018 USFWS survey guidelines, the surveys were conducted when air temperatures were most conducive to desert tortoise activity. Air temperature was measured at 5 centimeters above ground surface, in an area of full sun, and did not exceed 102 degrees Fahrenheit (°F). Any evidence suggesting that desert tortoise might occupy the Project site (e.g., scat, burrows, carcasses, courtship rings, drinking depressions, etc.), in addition to live tortoises with a mean carapace length of greater than 180 millimeters) was carefully surveyed for. Table 1 below (and Appendix E) summarizes the desert tortoise survey visits.

² The 186-foot buffer is intended to protect the seedbank surrounding one or more western Joshua trees.

TABLE 1
SUMMARY OF SURVEY DATA AND CONDITIONS
FOR DESERT TORTOISE SURVEYS

Survey Dates	Surveyor(s)	Time	Air Temperature (°F)		Cloud Cover	Wind (mph)
			Start	End		
April 26, 2022	DS, JA, SC, ZW	7:30 AM–3:00 PM	64	86	mostly clear	2–4
May 20, 2022	CW, DS	6:15 AM–12:00 PM	61	84	mostly clear	8–15
°F: degrees Fahrenheit; mph: miles per hour; CW: Chris Waterston; DS: David Smith; JA: Jeff Ahrens; SC: Stephanie Cashin; ZW: Zack West						

Detailed methods and results of the desert tortoise survey are included in Appendix E.

2.3.4 Swainson's Hawk

Swainson's hawk surveys followed the recommendations provided by the California Energy Commission (CEC) and CDFW (CEC and CDFW 2010) for green energy projects in the Antelope Valley that generally follow the Swainson's Hawk Technical Advisory Committee (SHTAC) survey guidelines developed for projects in the Central Valley of California (SHTAC 2000). The extent of the survey area is the primary difference between the two sets of guidelines, as the SHTAC (2000) recommends surveys of up to a half mile away from the proposed Project while the CEC and CDFW (2010) guidelines use a buffer of five miles to determine potential impacts. Survey timing also differs between the two sets of guidelines. These surveys were conducted using the survey buffer recommended in the SHTAC survey guidelines because the proposed Project is not a green energy project and survey timing from the CEC and CDFW (2010) survey guidelines was used due to the Project's location in the Antelope Valley.

As recommended by both sets of survey guidelines, these surveys were conducted by vehicle while driving at reduced speeds (approximately 5 miles per hour) when feasible. The surveys along busy roads were conducted by periodic stops to scan for raptor activity using binoculars and a spotting scope. Field notes were taken on each survey date and included recording of all bird species encountered during the survey. In addition to Swainson's hawk (*Buteo swainsoni*) observations, nests of potentially competitive species (e.g., other raptor species or common ravens) were noted. The western and approximate one third of the survey area extended into developed areas that do not provide suitable Swainson's hawk breeding habitat and, as a result, were largely excluded from the survey area. The majority of the survey time was spent in the eastern portion of the Project area. It should also be noted that the survey area was extended by approximately 1.25 miles (beyond the half-mile buffer) in the eastern portion of the survey area to include potentially suitable breeding habitat in the tall clonal Joshua trees within the undeveloped land east of the United Pacific railroad tracks, south of Columbia Way and north of Ave. M-12 (Exhibit 3 in Appendix F). In addition, periodic visits were made to two known recent nesting locations outside the survey area (four miles east) in order to confirm regional breeding status. One of those recent nesting locations was active during the surveys. The surveys generally focused on mature trees (e.g., Joshua tree, non-native wind row trees) and power poles, particularly those with adjacent open space, which provided potentially suitable nesting and foraging habitat. Vegetation types and other areas that occur in the survey area include Joshua tree woodland, disturbed Joshua tree woodland, Mormon tea scrub, rubber rabbitbrush scrub, disturbed rubber rabbitbrush scrub, ruderal, tamarisk thicket, dry wash, disturbed, and developed.

The CEC and CDFW guidelines outline the following sequence and number of surveys, with the first survey period being optional and the third and fourth intended for nest monitoring:

1. January 1–March 31: one survey;
2. April 1–April 30: three surveys;
3. May 1–May 30: three surveys; and
4. June 1–July 15: three surveys.

Swainson's hawks are migratory and are not expected to be present during the first survey period, thus this 1st survey is optional. Surveys in the second survey period focus on arrival of Swainson's hawks and nest building activities. Egg laying and incubation occurs during the third survey period, so the hawks are less visible and can be difficult to observe during this time period. The fourth and last survey period is when the young fledge so there are relatively high levels of activity at the nest site.

The surveys were conducted by Psomas Senior Biologist Marc Blain and Psomas Biologists Sarah Thomas and Jack Underwood. A total of three focused surveys were conducted in the second survey period (i.e., April 1–April 30). During this time period, adults are arriving on breeding grounds and engaged in territorial and courtship displays, and circling the nest territory. Both males and females are actively nest building and visiting selected nest sites frequently (CEC and CDFW 2010). Since no Swainson's were observed in the survey area during second survey period, surveys during periods three and four were not conducted. Surveys were conducted on April 5, 22, and 29, 2022 (Table 2).

TABLE 2
SUMMARY OF SURVEY DATA AND CONDITIONS
FOR SWAINSON'S HAWK SURVEYS

Survey Dates	Surveyor(s)	Time	Air Temperature (°F)		Cloud Cover	Wind (mph)
			Start	End		
April 5	SAT/JDU	6:30 AM–1:00 PM	59	74	0%	1–3
April 22	SAT/MTB	8:30AM–2:30PM	49	68	50% → 50%	8–10
April 29	SAT/MTB	6:50AM–2:00PM	48	73	0%	0–2
°F: degrees Fahrenheit; mph: miles per hour; SAT: Sarah Thomas; JDU: Jack Underwood; MTB: Marc Blain						

Detailed methods and results of the Swainson's hawk survey are included as Appendix F.

2.3.5 Burrowing Owl

Psomas Biologists Sarah Thomas, Allison Rudalevige, and Jack Underwood; and Consulting Biologists Sandy Leatherman, John Simon-Parent, and Miranda Scolaro performed a burrow survey concurrently with the first round of plant surveys on April 11, 12, and 13, 2022. The burrow survey was conducted by walking the Project site in 10- to 20-meter (approximately 33 feet to 65 feet) belt transects (depending on shrub coverage) to achieve 100 percent visual coverage. Potentially suitable burrows were marked with Garmin GPS units. Any natural or man-made cavities large enough to allow a burrowing owl (*Athene cunicularia*) to enter were inspected for evidence of occupation. Evidence of occupation may include prey remains, cast pellets, white-wash, feathers, and observations of owls adjacent to burrows. The burrow survey was conducted at least five days after rain, which could have washed away potential sign. Areas

containing potentially suitable habitat within 500 feet of the Project site were surveyed with binoculars.

Focused crepuscular surveys for burrowing owl were conducted for the Project site by Psomas in 2022 following the breeding season survey methods in the *Staff Report on Burrowing Owl Mitigation* (CDFG 2012). The CDFW guidelines specify specific time periods in which crepuscular (i.e., occurring near dawn and dusk) surveys should be conducted during the breeding season. The protocol specifies that a total of four surveys should be conducted in three time periods; each survey should be at least three weeks apart. The first survey should be conducted between February 15 and April 15 and three surveys should be conducted between April 15 and July 15, with at least one survey after June 15 (CDFG 2012).

Detailed survey information is included in Table 3 below. Crepuscular surveys were conducted by Psomas Biologists Sarah Thomas and Jack Underwood on April 15; May 19; June 9 and 30, 2022.

**TABLE 3
SUMMARY OF BURROWING OWL SURVEYS**

Survey Number	Date	Time (Start/End)	Surveyor(s)	Weather Conditions		
				Temperature (°F) (Start/End)	Wind (mph) (Start/End)	Cloud Cover (%) (Start/End)
Habitat Assessment	3/10/2022	10:00 AM–12:00 PM	Thomas	74/80	1–3/0–1	Clear/Clear
Burrow Survey	4/11/2022	8:05 AM – 3:45 PM	Thomas, Underwood, Rudalevige, Leatherman, Simon-Parent, Scolaro	52/61	3/10	0/25
Burrow Survey	4/12/2022	8:00 AM – 2:45 PM	Thomas, Underwood, Rudalevige, Leatherman, Simon-Parent, Scolaro	39/54	4–7/9	Clear/Clear
Burrow Survey	4/13/2022	7:40 AM – 1:45 PM	Thomas, Underwood, Rudalevige, Leatherman, Simon-Parent, Scolaro	41/66	4–5/3–7	Clear/Clear
Crepuscular Survey 1	4/14/2022	6:05 AM–7:15 AM	Thomas, Underwood	64/61	9/8	Clear/Clear
Crepuscular Survey 2	5/18/2022	6:35 AM–7:30 AM	Thomas, Bristle	66/73	5/6	Clear/10
Crepuscular Survey 3	6/7/2022	5:50 AM–7:30 AM	Thomas	60/76	3/3	Clear/Clear
Crepuscular Survey 4	6/29/2022	6:45 AM–8:45 AM	Thomas	68/86	0–1/0–1	30/50
°F: Fahrenheit; mph: miles per hour; %: percent						

Crepuscular surveys were conducted from either one hour before sunrise to two hours after, or from two hours before sunset to one hour after. The surveys were conducted when light conditions were sufficient to observe burrowing owl flights. All potentially suitable habitat (e.g., areas where potentially suitable burrows were located) within the Project site and adjacent buffer was surveyed by walking in meandering transects to allow 100 percent visual coverage of the survey area. The transects were spaced no more than approximately 65 feet apart in order to ensure 100 percent visual coverage of the ground surface. At the start of each transect and, at least, every 300 feet, the survey area was scanned for burrowing owls or burrowing owl sign (e.g., pellets, prey remains, whitewash, or decoration) using binoculars. Periodically, binoculars were used to inspect holes; crevices; and potential perches such as rocks, fence posts, and other elevated structures for the presence of owls while listening for owl calls. Any active burrows and/or burrowing owl sightings would have been mapped on an aerial photograph and recorded with GPS units.

Detailed methods and results of the burrowing owl survey are included as Appendix G.

2.3.6 Mohave Ground Squirrel

Habitat Assessment

A habitat assessment for Mohave ground squirrel (*Xerospermophilus mohavensis*) (MGS) was conducted on the Project site on March 20, 2022, by Phil Brylski, PhD, who holds a Memorandum of Understanding with the CDFW for MGS surveys. The habitat assessment examined soil, vegetation, topographic and disturbance features to assess the suitability of habitat for MGS on the site.

Trapping

MGS protocol surveys were conducted by Elanco in accordance with the 2010 CDFW MGS Survey Guidelines and consisted of an initial visual survey (March 20, 2022), followed by live trapping and camera trapping efforts (March 26 – July 9, 2022). An initial review of the CNDDDB was conducted prior to the visual assessment to determine the historical recorded occurrences of MGS near the Project site.

The CDFW was contacted for a consultation on the live-trapping survey design in accordance with the MGS survey guidelines (CDFW 2010). The consultation attempts included phone messages and a letter to CDFW in March 2022 proposing a trap effort of four standard grids (100 traps, three sessions). A follow-up phone call and letter requesting consultation on the trap plan was sent to the CDFW officer assigned for MGS issues in the Palmdale area on April 10, 2022. No response was received. In the absence of CDFW's response, it was decided to utilize four survey grids and 20 camera stations for three sessions. Six of the camera stations were implemented as a replacement for a fifth grid in the center of the Project site. The survey trap effort included four grids of 100 live-traps arranged in 10 x 10 squares with 35-meter spacing. Table 1 of Appendix H lists the UTM coordinates of the grid corners.

The trapping survey totaled 6,000 live trap-days. Traps were opened within one hour of sunrise and checked at least every four hours. Traps were closed within one hour of sunset, or when the air temperature reached 90°F measured at 6 inches above the ground in the shade. Traps were baited with four-way commercial livestock feed mixed with bird seed. Traps were sometimes left open between dusk and dawn to inventory nocturnal small mammals. Figure 4 of Appendix H shows the grid locations. MGS Survey and Trapping Forms, including weather details, are included in Appendix H.

A wildlife camera trap study was carried out to supplement the live-trapping surveys. Camera trap surveys are not required under the CDFW MGS survey guidelines (2010) but are recommended

by CDFW field officers. The survey used 20 motion-activated trail cameras³ set up and operated in accordance with recommendations in Delaney et al. (unpublished report 2017). The camera trap survey effort totaled 300 camera days, using six camera stations in the central part of the project site in lieu of a fifth trap grid and 14 camera stations within and outside the four trapping grids. The cameras were operated from dawn to dusk for three 5-day sessions; bait was renewed every other day. The camera station locations are shown in Figure 4 of Appendix H.

Detailed methods and results of Mohave ground squirrel trapping surveys are included in Appendix H.

2.4 JURISDICTIONAL DELINEATION

Jurisdictional water resources considered for this report include waters of the United States under the regulatory authority of the USACE; waters of the State under the regulatory authority of the RWQCB; and the bed, bank, and channel of all lakes, rivers, and/or streams (and associated riparian vegetation), under the regulatory authority of the CDFW.

Prior to conducting the delineation and during the course of report preparation, Psomas reviewed the following documents to identify areas that may fall under agency jurisdiction: the USGS' Lancaster East 7.5-minute topographic quadrangle map; color aerial photography provided by Google Earth; soil data provided by the U.S. Department of Agriculture's Natural Resources Conservation Service (USDA NRCS 2022a); the National Hydric Soils List (USDA NRCS 2022b); the National Wetlands Inventory's Wetland Mapper (USFWS 2022); and the Water Quality Control Plan for the Lahontan Region (Lahontan RWQCB 1995).

Non-wetland waters of the United States are delineated based on the limits of the ordinary high water mark (OHWM), which can be determined by a number of factors, including the presence of a clear, natural line impressed on the bank; shelving; changes in the character of the soil; destruction of terrestrial vegetation; and the presence of litter and debris. The OHWM limits (i.e., active floodplain) occurring in the jurisdictional delineation survey area were further verified using methods contained in *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States, A Delineation Manual* (Lichvar and McColley 2008) and the *Updated Datasheet for the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States* (Curtis and Lichvar 2010).

Technical methods and guidelines to determine the presence and extent of wetlands is described by the USACE in the *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (USACE 2008). The presence of wetlands is determined by a three-parameter approach requiring evidence of (1) wetland hydrology, (2) hydrophytic vegetation, and (3) hydric soils. Wetland hydrology is determined by the presence of indicators such as observed surface water; presence of past surface flow; and the depth to saturated soils or free water in soil test pits.

Procedures for determining whether the hydrophytic vegetation criterion is met is based three potential indicators as described in *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (USACE 2008). These include the "Dominance Test", using the "50/20 Rule"; the "Prevalence Index"; or the presence of "Morphological Adaptation" of vegetation that is present. These indicators are based on determining the presence and relative abundance of plant species that are categorized as Obligate Wetland (typically associated with wetland conditions); Facultative Wetland (predominantly present in wetland conditions); Facultative (equally likely to occur in wetland or non-wetland areas); Facultative Upland

³ The cameras used were mainly Browning ProX trail cameras, and several K&F Concept and Meidase P60 cameras.

(predominantly found in non-wetland areas); or Upland (typically found in mesic to xeric non-wetland habitats). Plant species are categorized in the National Wetland Plant List, created by the USEPA, the USFWS, and the U.S. Department of Agriculture.

Soils are determined to be hydric when they form under conditions of saturation, flooding, or ponding that occurs long enough during the growing season to develop anaerobic conditions (or conditions of limited oxygen) at or near the soil surface and that favor the establishment of hydrophytic vegetation (USDA NRCS 2022c). The presence of hydric soil conditions is determined where various indicators are observed by digging soil test pits to a depth of approximately 20 inches. Common hydric soil indicators include presence of redoximorphic features (i.e., areas where iron is reduced under anaerobic conditions and oxidized following a return to aerobic conditions); buried organic matter; organic streaking; reduced soil conditions; or sulfuric odor.

It should be noted that the RWQCB shares USACE jurisdiction unless isolated conditions are present. Water resources lacking connectivity to a Traditional Navigable Water⁴, whether by definition or through a significant nexus analysis, are considered isolated. If isolated waters are present, the RWQCB takes jurisdiction using the USACE's definition of the OHWM and/or the three-parameter wetlands method pursuant to the 1987 Wetlands Manual.

Field surveys were conducted by Psomas Regulatory Specialist David Hughes on March 22, 2022. Jurisdictional features were delineated using a 1 in equals 100 feet (1" = 100') scale aerial photograph. Jurisdictional drainage features were mapped as a line and the width of the agency jurisdiction was noted; other waterbodies (basins) were mapped as polygons (Psomas 2022a).

Detailed methods and results of the jurisdictional delineation are included as Appendix I.

3.0 EXISTING BIOLOGICAL RESOURCES

3.1 PHYSICAL ENVIRONMENTAL SETTING

3.1.1 Regional Environment

The Project is located in the California Desert Province within the Western Mojave subregion, specifically the City of Palmdale. The Mojave Desert is a large, wedge-shaped basin covering approximately 32 million acres in California, Nevada, Utah, and Arizona. The Great Basin is to the north; the Apache Highlands and Colorado Plateau are to the east; the Colorado Desert, San Gabriel Mountains, and San Bernardino Mountains are to the south; and the Sierra Nevada Mountains and Tehachapi Mountains are to the west.

The Project site is within an area referred to as "the high desert". Elevations range from 282 feet below mean sea level (msl) in Death Valley to over 11,000 feet above msl in the Spring Mountains of Nevada and the Panamint Range in California. Common vegetation communities in the Mojave Desert include creosote bush scrub, shadscale scrub, alkali sink, and Joshua tree woodland (Schoenherr 1992).

The majority (approximately 85 percent) of land in the Mojave Desert is publicly owned, primarily by the State and federal governments (TNC 2010). The BLM is the largest land manager, with jurisdiction encompassing approximately 46 percent of the region. Private lands and Native

⁴ Traditional Navigable Waters are all waters that are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide.

American tribal lands represent approximately 14.7 and 0.43 percent of the region, respectively (TNC 2010).

3.1.2 Climate

California's deserts are a product of the rain-shadow effect, in which the prevailing winds encounter a barrier, such as a mountain range, that causes them to lose their moisture, thus creating a dry region on the leeward side of the barrier. Desert environments typically have an average precipitation of less than 10 inches; experience temperature extremes; are windy with increased evaporation rates; have a high light intensity; have nutrient-poor, alkaline soil; and have low rates of primary production⁵ (Schoenherr 1992).

The Mojave Desert experiences precipitation primarily in the winter, with occasional summer thunderstorms. Annual precipitation is generally less than 10 inches. Snow is common at higher elevations. The average annual precipitation in the vicinity of the Project is 6.67 inches, with over half of this falling in the winter. Temperatures in this region average 80.6°Fahrenheit (°F) in the summer and 46.1°F in the winter (Arguez et al. 2010).⁶

3.1.3 Local Environment

Topography in the vicinity of the Project site is generally flat with very little change in elevation. The Project site slopes very gently from the southwest corner where the elevation is 2,565 feet above msl to the northeast corner where the elevation is approximately 2,495 feet above msl. The Project site is currently undeveloped with an unnamed blue line stream occurring in the northwest corner of the Project site. Although the site is undeveloped, historical mechanical disturbance has occurred in the north-central portion of the site as visible in aerial photographs via a change in shrub and tree cover. Major differences in soil compaction between these historically disturbed areas and the rest of the site was not apparent on the ground.

A graded dirt access road runs around the perimeter of the site and two graded dirt roads run east-west and north-south in the southern portion of the site. Aside from these access roads, an approximately 6-acre area in the southeastern portion of the site is highly disturbed and evidence of recent and historical illegal squatting was visible prior to surveys. Off-road vehicle disturbance is extensive in this area along with higher than average trash cover (both recent and historical). Moderate illegal dumping occurs along the edges of the easternmost perimeter access road, with items such as couches and other household appliances along with small miscellaneous trash items occurring. A few other localized trash piles occur scattered throughout the site.

Soils on the Project site are mapped as Adelanto coarse sandy loam, 2 to 5 percent slopes; Cajon loamy sand, 0 to 2 percent slopes; Cajon loamy sand, 2 to 9 percent slopes; Cajon loamy sand, loamy substratum, 0 to 2 percent slopes; Cajon loamy fine sand, 0 to 2 percent slopes, hummocky; Hesperia fine sandy loam, 0 to 2 percent slopes (Exhibit 4).

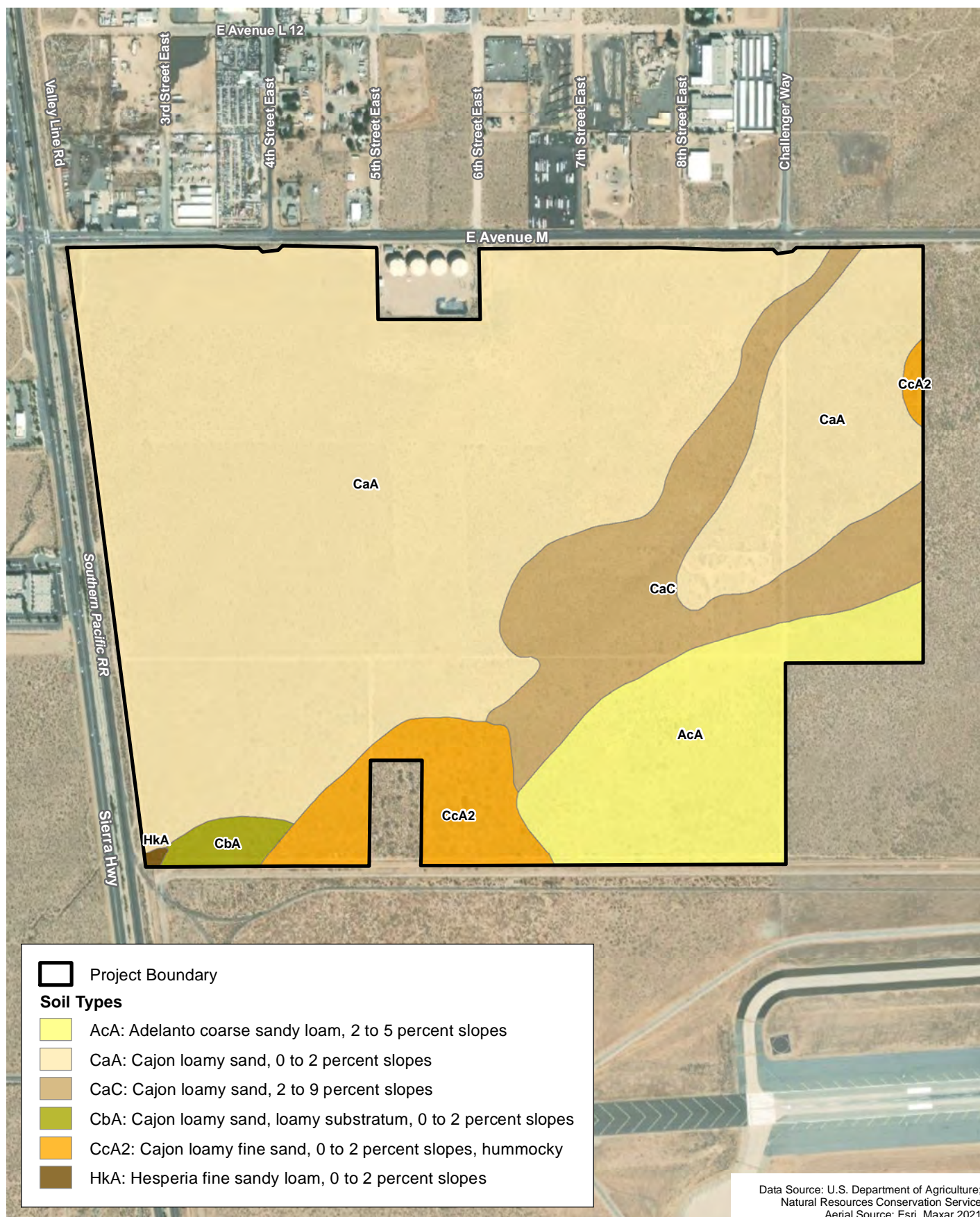
3.2 Vegetation Types and Other Areas

The following vegetation types and other areas occur in the study area: big sagebrush - disturbed rubber rabbitbrush scrub, rubber rabbitbrush scrub, disturbed rubber rabbitbrush - Nevada ephedra scrub, rubber rabbitbrush - Nevada joint-fir scrub/Joshua tree woodland, Nevada

⁵ Primary production is the rate at which photosynthesis converts the sun's energy to organic compounds.

⁶ Seasons are climatological; winter is considered to be December, January, and February; and summer is considered to be June, July, and August.

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Soils Map

Antelope Valley Commerce Center Project



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Feet

Exhibit 4



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ephedra - cheesebush - Cooper's box thorn/Joshua tree woodland, creosote bush scrub, Joshua tree woodland, disturbed Joshua tree woodland, and bare ground (Exhibit 5; Table 4).

TABLE 4
VEGETATION TYPES AND OTHER AREAS

Vegetation Types and Other Areas	Project Site (Acres)	Threat Ranking
disturbed big sagebrush - rubber rabbitbrush scrub	2.34	G5, S5
rubber rabbitbrush scrub	2.41	G5, S5
disturbed rubber rabbitbrush - Nevada ephedra scrub	21.73	G5, S5
rubber rabbitbrush - Nevada ephedra scrub/Joshua tree woodland	69.80	G5, S5/G4, S3
Nevada ephedra - cheesebush - Cooper's box thorn/Joshua tree woodland	19.01	–/G4, S3
creosote bush scrub	11.91	G5, S5
Joshua tree woodland	291.67	G4, S3
disturbed Joshua tree woodland	6.17	G4, S3
bare ground	8.74	–
Total	433.77	
G: Global; S: State.		
Threat Ranking		
3 vulnerable and at moderate risk of extinction or elimination		
4 Apparently secure and uncommon but not rare		
5 Secure		
– No threat rank		

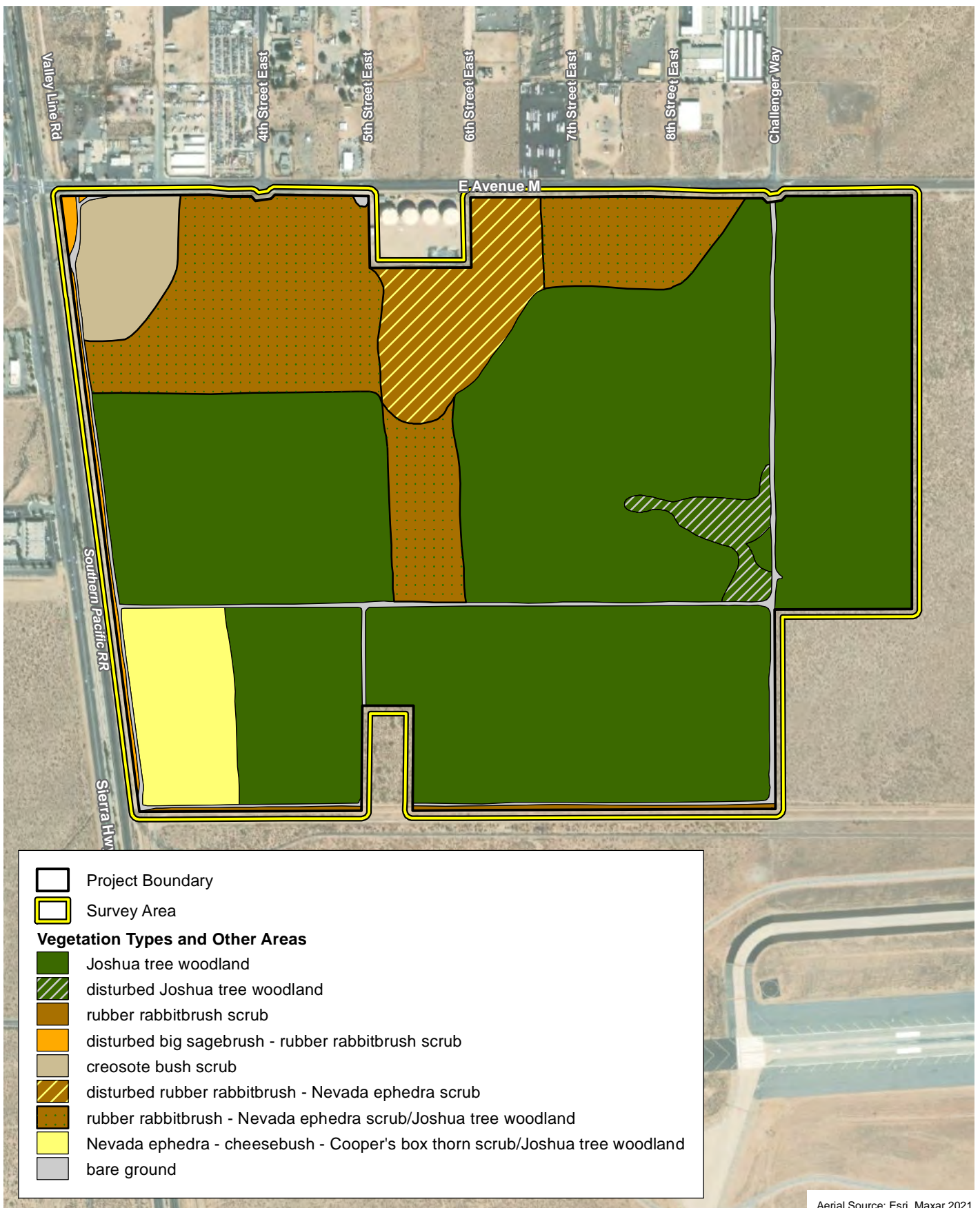
3.2.1 Disturbed Big Sagebrush - Rubber Rabbitbrush Scrub

Disturbed big sagebrush – rubber rabbitbrush scrub occurs in the far northwestern portion of the Project site within, and on the banks of, the dry wash. This vegetation type is co-dominated by mid- and large-stature rubber rabbitbrush (*Ericameria nauseosa*) and big sagebrush (*Artemisia tridentata*) shrubs spaced closely together. Other shrub species also occurring sparsely include Nevada ephedra and four-wing saltbush. Ground cover is mostly comprised of redstem filaree (*Erodium cicutarium*) and tessellated fiddleneck (*Amsinckia tessellata*). Disturbances from vehicular traffic are visible, and other human disturbances such as trash can be found here. This vegetation type conforms to the *Artemisia tridentata* – *Ericameria nauseosa* Association in A Manual of California Vegetation (Sawyer et al. 2019). This Association is not considered a sensitive natural community by the CDFW (CDFW 2022c).

3.2.2 Rubber Rabbitbrush Scrub

Rubber rabbitbrush scrub occurs adjacent to the dirt access road that runs around the perimeter of the site. This vegetation type is mostly comprised of rubber rabbitbrush shrubs spaced closely together. Other shrub species also occurring include Nevada ephedra and four-wing saltbush. Ground cover consist of many different species including but not limited to pectocarya (*Pectocarya* spp.), sapphire eriastrum (*Eriastrum sapphirinum*), cushion cryptantha (*Cryptantha circumscissa* var. *circumscissa*), and Fremont's phacelia (*Phacelia fremontii*). This vegetation type conforms to the *Ericameria nauseosa* Alliance in A Manual of California Vegetation (Sawyer et al. 2019). This Association is not considered a sensitive natural community by the CDFW (CDFW 2022c).

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Vegetation Types and Other Areas

Antelope Valley Commerce Center Project

Exhibit 5



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Feet



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3.2.3 Disturbed Rubber Rabbitbrush - Nevada Ephedra Scrub

Disturbed rubber rabbitbrush – Nevada ephedra scrub occurs in the north-central portion of the Project site adjacent to the chain-link fence surrounding the four large water tanks. This area is characterized by small- to large-stature rubber rabbitbrush and Nevada ephedra shrubs spaced relatively far apart. Some other shrub species that occur are cheesebush (*Ambrosia salsola*), Anderson's box-thorn (*Lycium andersonii*), and four-wing saltbush (*Atriplex canescens*). Ground cover is comprised of species such as pectocarya, cryptantha (*Cryptantha* sp.), tessellated fiddleneck, and sapphire eriastrum. Historical evidence of mechanical disturbance is apparent via historical photographs in this area. This vegetation type is not included in A Manual of California Vegetation (Sawyer et al. 2019). The closest Association this vegetation type would conform to is the *Ericameria nauseosa* Alliance. This Association is not considered a sensitive natural community by the CDFW (CDFW 2022c) and would not be considered locally sensitive.

3.2.4 Rubber Rabbitbrush - Nevada Ephedra Scrub/Joshua Tree Woodland

Rubber rabbitbrush – Nevada ephedra scrub/Joshua tree woodland occurs in the northern and central portions of the Project site. This area is co-dominated by small- to large-stature rubber rabbitbrush and Nevada ephedra shrubs spaced relatively far apart, and small- to medium-stature Joshua trees spaced far apart. Some other shrub species that occur are thorny hop-sage (*Grayia spinosa*), winter fat (*Krascheninnikovia lanata*), axillary cottonthorn (*Tetradymia axillaris*), four-wing saltbush, and creosote bush (*Larrea tridentata*). Ground cover is comprised of species such as pectocarya, cryptantha (*Cryptantha* sp.), tessellated fiddleneck, sapphire eriastrum, and desert dandelion. Historical evidence of mechanical disturbance is apparent via historical photographs in this area. This vegetation type is not included in A Manual of California Vegetation (Sawyer et al. 2019). The closest Associations this vegetation type would conform to the *Ericameria nauseosa* Alliance and the *Yucca brevifolia* Woodland Alliance. The *Yucca brevifolia* Woodland Alliance component of this vegetation type would be considered a sensitive natural community by the CDFW (CDFW 2022c) while the *Ericameria nauseosa* Alliance component would not.

3.2.5 Nevada Ephedra - Cheesebush - Cooper's Box Thorn/Joshua Tree Woodland

Nevada ephedra - cheesebush - Cooper's box thorn/Joshua tree woodland occurs in the southwestern portion of the Project site. This area is co-dominated by small- to large-stature Nevada ephedra, cheesebush, and Cooper's box thorn shrubs with small- and medium-stature Joshua trees spaced relatively far apart throughout. Some other shrub species that occur are thorny hop-sage, winter fat, axillary cottonthorn, narrow-scaled cottonthorn (*Tetradymia stenolepis*), four-wing saltbush, and bladder-sage (*Scutellaria mexicana*). Ground cover is comprised of species such as pectocarya, cryptantha (*Cryptantha* sp.), tessellated fiddleneck, sapphire eriastrum, Arizona popcornflower (*Plagiobothrys arizonicus*), wire-lettuce (*Stephanomeria pauciflora*), and annual bur-sage (*Ambrosia acanthicarpa*). This vegetation type is not included in A Manual of California Vegetation (Sawyer et al. 2019). The closest Associations this vegetation type would conform to the *Lycium cooperi* (provisional) Alliance and the *Yucca brevifolia* Woodland Alliance. The *Yucca brevifolia* Woodland Alliance component of this vegetation type would be considered a sensitive natural community by the CDFW (CDFW 2022c) while the *Lycium cooperi* (provisional) Alliance component would not.

3.2.6 Creosote Bush Scrub

Creosote bush scrub occurs in the northwestern portion of the Project site. This area is dominated by medium- to large-stature creosote bush shrubs spaced relatively close together. Some other shrub species that occur are Joshua tree, four-wing saltbush, big sagebrush, and Mormon tea. Ground cover is comprised of species such as erodium, pectocarya, tessellated fiddleneck, sapphire eriastrum, and annual bur-sage (*Ambrosia acanthicarpa*). This vegetation type conforms

to the *Larrea tridentata* Alliance in A Manual of California Vegetation (Sawyer et al. 2019). This Association is not considered a sensitive natural community by the CDFW (CDFW 2022c)

3.2.7 Joshua Tree Woodland and Disturbed Joshua Tree Woodland

Joshua tree woodland and disturbed Joshua tree woodland generally occurs throughout the southern two-thirds of the Project site. This vegetation type is dominated by western Joshua trees with various shrubs as the dominant understory species. Creosote bush shrubs are the dominant under story species in the southeastern portion of the site. Dominant understory shrubs occurring throughout the rest of this vegetation type include a mosaic of various species such as Nevada ephedra, Mormon tea, rubber rabbitbrush, Cooper's box-thorn, Anderson's box-thorn, and cheesbush. Ground cover species richness is highest in these areas. Species occurring include but are not limited to tessellated fiddleneck, common goldfields (*Lasthenia gracilis*), white layia (*Layia glandulosa*), desert dandelion (*Malacothrix glabrata*), little stephanomeria (*Stephanomeria exigua* ssp. *exigua*), Arizona popcornflower, weak purple mat (*Nama demissum*), thistle sage (*Salvia carduacea*), short-flower wild buckwheat (*Eriogonum brachyanthum*), rose-and-white wild buckwheat (*Eriogonum gracillimum*), western Mojave wild buckwheat (*Eriogonum mohavense*), and two-toothed wild buckwheat (*Eriogonum viridescens*). These vegetation types conform to the *Yucca brevifolia* Woodland Alliance in A Manual of California Vegetation (Sawyer et al. 2019). This Alliance is considered a sensitive natural community by the CDFW (CDFW 2022c).

3.2.1 Other Landcover

Other land cover in the study area consists of bare ground. Bare ground consists of graded dirt access roads with less than five percent vegetation cover.

3.3 WILDLIFE POPULATIONS AND MOVEMENT PATTERNS

Vegetation in and adjacent to the study area provides potential habitat for a number of wildlife species. Common wildlife species observed or expected to occur in the study area are discussed below. Special Status wildlife are discussed in Section 3.4.5, Special Status Wildlife.

3.3.1 Fish

Surface water is scarce in the Mojave Desert; most water is in underground aquifers (TNC 2010). Streams are ephemeral or intermittent and are fed by springs, snow melt, and rainfall. Drainage features observed in the study area consists of an unnamed sandy wash in the extreme northwest portion of the Project site. Because there is no water on the Project site, except immediately following rain, drainage features would not provide suitable habitat for fish, and no fish species are expected to occur.

3.3.2 Amphibians

Amphibians require moisture for at least a portion of their life cycle, and many require standing or flowing water for reproduction. Terrestrial species may or may not require standing water for reproduction; they survive in dry areas by aestivating (i.e., remaining beneath the soil in burrows or under logs and leaf litter and emerging only when temperatures are low and humidity is high). Many of these species' habitats are associated with water, and they emerge to breed once the rainy season begins. Soil moisture conditions can remain high throughout the year in some habitat types, depending on factors such as amount of vegetation cover, elevation, and slope/aspect.

Most desert amphibian species are restricted to areas of permanent water, desert washes, desert oases, or moist areas with riparian habitat. Amphibian species are not expected to occur in the

study area due to the lack of permanent water, desert washes, desert oases, moist vegetation types, and landscaped areas.

3.3.3 Reptiles

Reptiles are well-adapted to life in arid habitats. They have several physiological adaptations that allow them to conserve water. Reptiles can also become dormant during weather extremes, allowing them to survive prolonged droughts and paucity of food (Ruben and Hillenius 2005). Reptilian diversity and abundance typically varies with vegetation type and character.

Nine common reptile species were observed in the study area: long-nosed leopard lizard (*Gambelia wislizenii*), western fence lizard (*Sceloporus occidentalis*), yellow-backed spiny lizard (*Sceloporus uniformis*), common side-blotched lizard (*Uta stansburiana*), desert night lizard (*Xantusia vigilis*), Great Basin whiptail (*Aspidoscelis tigris tigris*), coachwhip (*Masticophis flagellum*), gophersnake (*Pituophis catenifer*), and northern Mohave rattlesnake (*Crotalus scutulatus scutulatus*). Other common reptiles that may occur include but are not limited to California kingsnake (*Lampropeltis californiae*), zebra-tailed lizard (*Callisaurus draconoides*), and red racer (*Coluber flagellum*).

3.3.4 Birds

A variety of bird species are expected to be resident in the study area, using the habitats throughout the year. Other species are present only during certain seasons. Common bird species observed in the study area include California quail (*Callipepla californica*), Eurasian collared-dove (*Streptopelia decaocto*), mourning dove (*Zenaida macroura*), common nighthawk (*Chordeiles minor*), sharp-shinned hawk (*Accipiter striatus*), red-tailed hawk (*Buteo jamaicensis*), ladder-backed woodpecker (*Picoides scalaris*), Say's phoebe (*Sayornis saya*), ash-throated flycatcher (*Myiarchus cinerascens*), Cassin's kingbird (*Tyrannus vociferans*), western kingbird (*Tyrannus verticalis*), American crow (*Corvus brachyrhynchos*), common raven (*Corvus corax*), horned lark (*Eremophila alpestris*), cliff swallow (*Petrochelidon pyrrhonota*), cactus wren (*Campylorhynchus brunneicapillus*), northern mockingbird (*Mimus polyglottos*), European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), black-throated sparrow (*Amphispiza bilineata*), lark sparrow (*Chondestes grammacus*), white-crowned sparrow (*Zonotrichia leucophrys*), Bell's sparrow (*Artemisiospiza belli*), and yellow-rumped warbler (*Setophaga coronata*).

Bird species that were observed and may breed on the Project site include California quail, mourning dove, red-tailed hawk, ladder-backed woodpecker, Say's phoebe, ash-throated flycatcher, western kingbird, common raven, horned lark, cactus wren, northern mockingbird, European starling, house finch, lark sparrow, and Bell's sparrow. Active nests of common raven and common nighthawk were observed incidentally on the Project site during surveys in 2022.

3.3.5 Mammals

Eight mammals were observed in the study area: white-tailed antelope squirrel (*Ammospermophilus leucurus*), California ground squirrel (*Otospermophilus beecheyi*), Merriam's kangaroo rat (*Dipodomys merriami*), Panamint kangaroo rat (*Dipodomys panamintinus*), southern grasshopper mouse (*Onychomys torridus*), deer mouse (*Peromyscus maniculatus*), black-tailed jackrabbit (*Lepus californicus*), bobcat (*Lynx rufus*), and kit fox (*Vulpes macrotis*).

Other common mammals that may occur in the study area include but are not limited to desert cottontail (*Sylvilagus audubonii*), desert pocket mouse (*Chaetodipus penicillatus*), desert woodrat (*Neotoma lepida*), Botta's pocket gopher (*Thomomys bottae*), and northern raccoon (*Procyon lotor*). Bat species that are either expected to occur or that may occur in the study area for foraging

include canyon bat (*Parastrellus hesperus*) and western mastiff bat (*Eumops perotis californicus*). Canyon bat and pallid bat may also occur for roosting, while western mastiff bat would not be expected to roost on site due to the lack of suitable roosting habitat.

3.3.6 **Wildlife Movement**

Wildlife corridors link together areas of suitable wildlife habitat that are otherwise separated by rugged terrain, changes in vegetation, or human disturbance. The fragmentation of open space areas by urbanization creates isolated “islands” of wildlife habitat. In the absence of habitat linkages that allow movement to adjoining open space areas, various studies have concluded that some wildlife species, especially the larger and more mobile mammals, will not likely persist over time in fragmented or isolated habitat areas because they prohibit the infusion of new individuals and genetic information (MacArthur and Wilson 1967; Soule 1987; Harris and Gallagher 1989; Bennett 1990). Corridors mitigate the effects of this fragmentation by (1) allowing animals to move between remaining habitats, thereby permitting depleted populations to be replenished and promoting genetic exchange; (2) providing escape routes from fire, predators, and human disturbances, thus reducing the risk that catastrophic events (such as fire or disease) will result in population or local species extinction; and (3) serving as travel routes for individual animals as they move in their home ranges in search of food, water, mates, and other necessary resources (Noss 1983; Farhig and Merriam 1985; Simberloff and Cox 1987; Harris and Gallagher 1989).

Wildlife movement activities usually fall into one of three movement categories: (1) dispersal (e.g., juvenile animals from natal areas or individuals extending range distributions); (2) seasonal migration; and (3) movements related to home range activities (e.g., foraging for food or water; defending territories; or searching for mates, breeding areas, or cover). A number of terms such as “wildlife corridor,” “travel route,” “habitat linkage,” and “wildlife crossing” have been used in various wildlife movement studies to refer to areas in which wildlife move from one area to another. To clarify the meaning of these terms and to facilitate the discussion on wildlife movement in this analysis, these terms are defined as follows:

- **Travel route** – a landscape feature (such as a ridgeline, drainage, canyon, or riparian strip) within a larger natural habitat area that is used frequently by animals to facilitate movement and to provide access to necessary resources (e.g., water, food, cover, den sites). The travel route is generally preferred because it provides the least amount of topographic resistance in moving from one area to another. It contains adequate food, water, and/or cover while moving between habitat areas; it provides a relatively direct link between target habitat areas.
- **Wildlife corridor** – a piece of habitat, usually linear in nature, that connects two or more habitat patches that would otherwise be fragmented or isolated from one another. Wildlife corridors are usually bound by urban land areas or other areas unsuitable for wildlife. The corridor generally contains suitable cover, food, and/or water to support species and to facilitate their movement while in the corridor. Larger, landscape-level corridors (often referred to as “habitat linkages” or “landscape linkages”) can provide both transitory and resident habitat for a variety of species.
- **Wildlife crossing** – a small, narrow area, relatively short in length and generally constricted in nature that allows wildlife to pass under or through an obstacle or barrier that otherwise hinders or prevents movement. Crossings typically are man-made and include culverts, underpasses, drainage pipes, and tunnels to provide access across or under roads, highways, pipelines, or other physical obstacles. These often represent “choke points” along a movement corridor, which may impede wildlife movement and increase the risk of predation.

It is important to note that in a large, open space area with few or no man-made or naturally occurring physical constraints to wildlife movement, wildlife corridors (as defined above) may not yet exist. Given an open space area that is both large enough to maintain viable populations of species and to provide a variety of travel routes (e.g., canyons, ridgelines, trails, riverbeds, and others), wildlife will use these “local” routes while searching for food, water, shelter, and mates and will not need to cross into other large, open space areas. Based on their size, location, vegetative composition, and availability of food, some of these movement areas (e.g., large drainages and canyons) are used for longer lengths of time and serve as source areas for food, water, and cover, particularly for small- and medium-sized animals. This is especially true if the travel route is within a larger open space area. However, once open space areas become constrained and/or fragmented as a result of urban development or construction of physical obstacles (such as roads and highways), the remaining landscape features or travel routes that connect the larger open space areas become corridors as long as they provide adequate space, cover, food, and water and do not contain obstacles or distractions (e.g., man-made noise, lighting) that would generally hinder wildlife movement.

In general, wildlife corridor discussions typically focus on larger, more mobile mammal species such as southern mule deer (*Odocoileus hemionus*), mountain lion (*Puma concolor*), and coyote. Discussing the needs of larger mammal species typically also captures the needs of mid-sized mammals such as foxes (*Vulpes* sp.), northern raccoon (*Procyon lotor*), striped skunk (*Mephitis mephitis*), and American badger (*Taxidea taxus*). Most mammal species have relatively large home ranges through which they move to find adequate food, water, and breeding and wintering habitat. It is assumed that corridors that serve larger, more mobile mammal species also serve as corridors for many smaller, less mobile species, such as reptiles, amphibians, and rodents. Regional movement for these species facilitates gene flow and requires at least some local “stepping stone” movement of individuals between populations.

Discussions of wildlife corridors generally focus less on bird species because they are more mobile and can fly over inhospitable habitat. Long-distance migrants are able to move great distances over unsuitable habitat; however, they must have stopover sites to rest and forage in order to continue their migration. Many resident species are habitat-specific, moving only through their preferred habitat type(s), or similar adjacent habitat; wildlife corridors would be more important for these bird species.

Ideally, an open space corridor should encompass a heterogeneous mix of vegetation types to accommodate the ecological requirements of a wide variety of resident species in any particular region. Most species typically prefer adequate vegetation cover during movement, which can serve as both a food source and as protection from weather and predators. Drainages, riparian areas, and forested canyon bottoms typically serve as natural movement corridors because these features provide cover, food, and often water for a variety of species. Very few species will move across large expanses of open, uncovered habitat unless it is the only option available to them. Landscape linkages must also provide “live-in” habitat (food and cover) to support smaller and less mobile species, such as amphibians, reptiles, and rodents, that require longer periods to traverse a corridor.

Wildlife movement is constrained on the southern border by a tall chain link fence which acts as a perimeter fence around the Palmdale Airport. Immediately adjacent to the west is Sierra Highway and Pacific Union Railway and Columbia Way occurs to the north. Movement is unconstrained on the immediate eastern border; however, a tall chain link fence occurs approximately 0.5 mile from the eastern border (Palmdale Airport perimeter fence). It is feasible for wildlife to move through the Project area during and after construction through the open areas directly to the east of the Project. In addition, large undeveloped plots of land occur on the other side of roads to the west and north of the Project site.

3.4 SPECIAL STATUS BIOLOGICAL RESOURCES

The following section addresses special status biological resources that were observed, reported, or have the potential to occur in the study area or in adjacent off-site areas. These resources include plant and wildlife species that have been afforded special status and/or recognition by federal and State resource agencies, as well as private conservation organizations. In general, the principal reason an individual taxon (i.e., species, subspecies, or variety) is given such recognition is the documented or perceived decline or limitations of its population size, geographic range, and/or distribution resulting in most cases from habitat loss. In addition to species, special status biological resources include vegetation types and habitats that are either unique; of relatively limited distribution in the region; or of particularly high wildlife value. These resources have been defined by federal, State, and local government conservation programs. Sources used to determine the special status of biological resources are listed below.

- **Habitats** – the CNDDDB (CDFW 2022a); *NatureServe Conservation Status Assessments: Methodology for Assigning Ranks* (Faber-Langendoen et al. 2012); and the *California Natural Communities List* (CDFW 2022c).
- **Plants** – the CNDDDB (CDFW 2022a); the *Inventory of Rare and Endangered Plants* (CNPS 2022); various USFWS *Federal Register* notices regarding listing status of plant species; and the *List of Special Vascular Plants, Bryophytes, and Lichens* (CDFW 2022b).
- **Wildlife** – the CNDDDB (CDFW 2022a); various USFWS *Federal Register* notices regarding listing status of wildlife species; and the *List of Special Animals* (CDFW 2022d).

3.4.1 Definitions

A **federally Endangered species** is one facing extinction throughout all or a significant portion of its geographic range. A **federally Threatened species** is one likely to become Endangered within the foreseeable future throughout all or a significant portion of its range. The presence of any federally listed Threatened or Endangered species in a project impact area generally imposes severe constraints on development, particularly if development would result in “take” of the species or its habitat. The term “take” means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in such conduct. “Harm” in this sense can include any disturbance of species’ habitats during any portion of its life history.

Proposed species or **Candidate species** are those officially proposed by the USFWS for addition to the federal Threatened and Endangered species list. Because proposed species may soon be listed as Threatened or Endangered, these species could become listed prior to or during implementation of a proposed project. The presence of a Proposed or Candidate species within a project impact area may impose constraints on development if they are listed prior to issuance of project permits, particularly if a project would result in “take” of the species or its habitat.

The State of California considers an **Endangered species** to be one whose prospects of survival and reproduction are in immediate jeopardy, a **Threatened species** as one present in such small numbers throughout its range that it is likely to become an Endangered species in the near future in the absence of special protection or management, and a **Rare species** as one present in such small numbers throughout its range that it may become Endangered if its present environment worsens. “Rare species” only applies only to California native plants. State-listed Threatened and Endangered species are protected against take unless an Incidental Take Permit is obtained from the resource agencies. The presence of any State-listed Threatened or Endangered species in a project impact area generally imposes severe constraints on development, particularly if a project would result in “take” of the species or its habitat.

California Species of Special Concern is an informal designation used by the CDFW for some declining wildlife species that are not State Candidates for listing. This designation does not provide legal protection but signifies that these species are recognized as special status by the CDFW. A few years ago, the CDFW downlisted several species from Species of Special Concern to the **Watch List**. Although not considered special status, Watch List species are tracked by the CNDDDB.

Species that are **California Fully Protected** and **Protected** include those protected by special legislation for various reasons, such as the mountain lion and white-tailed kite (*Elanus leucurus*). Fully Protected species may not be taken or possessed at any time. California Protected species include those species that may not be taken or possessed at any time except under special permit from the CDFW issued pursuant to Sections 650 and 670.7 of the *California Code of Regulations*, or Section 2081 of the *California Fish and Game Code*.

Species of **Local Concern** are those that have no official status with the resource agencies but are being watched because either the region has a unique population or the species is declining in the region.

Special Animal is a general term that refers to species that the CNDDDB is interested in tracking, regardless of legal or protective status. This term includes species designated as any of the above terms but also includes species that may be considered biologically rare; restricted in distribution; declining throughout their range; have a critical, vulnerable stage in their life cycle that warrants monitoring; are on the periphery of their range and are threatened with extirpation in California; are associated with special status habitats; or are considered by other State or federal agencies or private organizations to be sensitive or declining.

The **CRPR**, formerly known as CNPS List, is a ranking system by the Rare Plant Status Review group⁷ and managed by the CNPS and the CDFW (CDFW 2022b). A CRPR summarizes information on the distribution, rarity, and endangerment of California's vascular plants. Plants with a CRPR of **1A** are presumed extirpated from the State because they have not been seen in the wild in California for many years and they are either rare or extinct elsewhere. Plants with a CRPR of **1B** are Rare, Threatened, or Endangered throughout their range. Plants with a CRPR of **2A** are presumed extirpated from California but are more common elsewhere. Plants with a CRPR of **2B** are considered Rare, Threatened, or Endangered in California, but are more common elsewhere. Plants with a CRPR of **3** require more information before they can be assigned to another rank or rejected; this is a "review" list. Plants with a CRPR of **4** are of limited distribution or are infrequent throughout a broader area in California; this is a "watch list". The Threat Rank is an extension that is added to the CRPR to designate the plant's endangerment level. An extension of **.1** is assigned to plants that are considered to be "seriously threatened" in California (i.e., over 80 percent of the occurrences are threatened or have a high degree and immediacy of threat). Extension **.2** indicates the plant is "fairly threatened" in California (i.e., between 20 and 80 percent of the occurrences are threatened or have a moderate degree and immediacy of threat). Extension **.3** is assigned to plants that are considered "not very threatened" in California (i.e., less than 20 percent of occurrences are threatened or have a low degree and immediacy of threat or no current threats are known). The absence of a threat code extension indicates that this information is lacking for the plant(s) in question.

In addition to providing an inventory of special status plant and wildlife species, the CNDDDB also provides an inventory of vegetation types that are considered special status by the State and federal resource agencies, academic institutions, and various conservation groups (e.g., the CNPS). Special status natural communities are "of limited distribution statewide or within a county

⁷ This group consists of over 300 botanical experts from the government, academia, non-governmental organizations, and the private sector.

or region and are often vulnerable to environmental effects of projects”; they may or may not contain special status species (CDFW 2022c). Determination of the level of imperilment (i.e., exposure to injury, loss, or destruction) is based on the NatureServe Heritage Program Status Ranks that rank both species and vegetation types on a global (G) and statewide (S) basis according to their rarity, trend in population size or area, and recognized threats (e.g., proposed developments, habitat degradation, and non-native species invasion) (Faber-Langendoen et al. 2012). Global and state ranks are provided for all native vegetation types on the *California Natural Communities List* (CDFW 2022c). The ranks are scaled from 1 to 5. NatureServe considers **G1** and/or **S1** communities to be critically imperiled and at a very high risk of extinction or elimination due to extreme rarity, very steep declines, or other factors; **G2** and/or **S2** communities to be imperiled and at high risk of extinction or elimination due to very restricted range, very few populations or occurrences, steep declines, or other factors; **G3** and/or **S3** communities to be vulnerable and at moderate risk of extinction or elimination due to a restricted range, relatively few populations or occurrences, recent and widespread declines, or other factors; **G4** and/or **S4** communities to be apparently secure and uncommon but not rare with some cause for long-term concern due to declines or other factors; and **G5** and/or **S5** communities to be secure. A question mark (?) denotes an inexact numeric rank, but existing information points to this rank (Faber-Langendoen et al. 2012). Currently, association ranks are not provided, but associations ranked as S3 or rarer are noted. For vegetation alliances⁸ that have State ranks of S1–S3, all associations within the alliance are considered to be highly imperiled.

3.4.2 Special Status Vegetation Types

Two special status vegetation types occur on the Project site, Joshua tree woodland and disturbed Joshua tree woodland (Table 4). The remaining vegetation types: disturbed big sagebrush – rubber rabbitbrush scrub, rubber rabbitbrush scrub, rubber rabbitbrush – Nevada ephedra scrub, rubber rabbitbrush – Nevada ephedra scrub/Joshua tree woodland, Nevada ephedra – cheesebush – Cooper’s box thorn/Joshua tree woodland, and creosote bush scrub would be considered “secure” by the CDFW on a global and State level (Table 4). None of these vegetation types would be considered special status by CDFW.

3.4.3 Jurisdictional Resources

One jurisdictional feature was identified during the field survey which consists of an unnamed sandy wash in the extreme northwest corner of the Project site. This feature appears to historically be an overflow channel in the Amargosa Creek floodplain. Subsequently urbanization of the surrounding areas has cut off this channel hydrologically from the Amargosa Creek so that it currently conveys stormwater runoff in a northerly direction. The remainder of the Project site was surveyed carefully but it is generally flat and no other jurisdictional features were observed.

A summary of on-site jurisdictional resources is provided in Table 5 and photographs are provided in Attachment C of Appendix I that illustrate the general conditions on the Project site.

⁸ A vegetation alliance is “a classification unit of vegetation, containing one or more associations and defined by one or more diagnostic species, often of high cover, in the uppermost layer or the layer with the highest canopy cover” (Sawyer et al. 2009). This term is generally interchangeable with vegetation type.

TABLE 5
SUMMARY OF JURISDICTIONAL RESOURCES ON THE PROJECT SITE

Feature	Latitude/Longitude (decimal degrees)		Feature Length (linear feet)	OHWM Width Range (feet)	Area of RWQCB Jurisdiction (acres)		CDFW Jurisdiction Width Range (feet)	Area of CDFW Jurisdiction (acres)
	Upstream End	Downstream End			Wetland	Non- wetland		
Unnamed sandy wash	34.644716°, -118.127546°	34.645723°, -118.127408°	330	2-3	0.00	0.015	50–93	0.498
Total					0.00	0.015		0.498
OHWM: Ordinary High Water Mark; RWQCB: Regional Water Quality Control Board; CDFW: California Department of Fish and Wildlife								

“Waters of the United States” Determination

Connectivity to a Traditional Navigable Water

Water that passes through the on-site drainage continues northward through a culvert that passes under Columbia Way. North of the Project site, water would potentially flow through drainage ditches that occur between the railroad and various developed lots. Water flows toward Rosamond Lake (an inland dry lakebed on Edwards Air Force Base) though the gradient of the urban ditches appear to fluctuate so that water would likely infiltrate the soil somewhere south of Avenue H. Because there are no Traditional Navigable Waterways in the region that would receive water from the Project site, the on-site waters would not be considered Waters of the United States (WOTUS) and would not be under the USACE’s jurisdiction.

Wetlands Determination

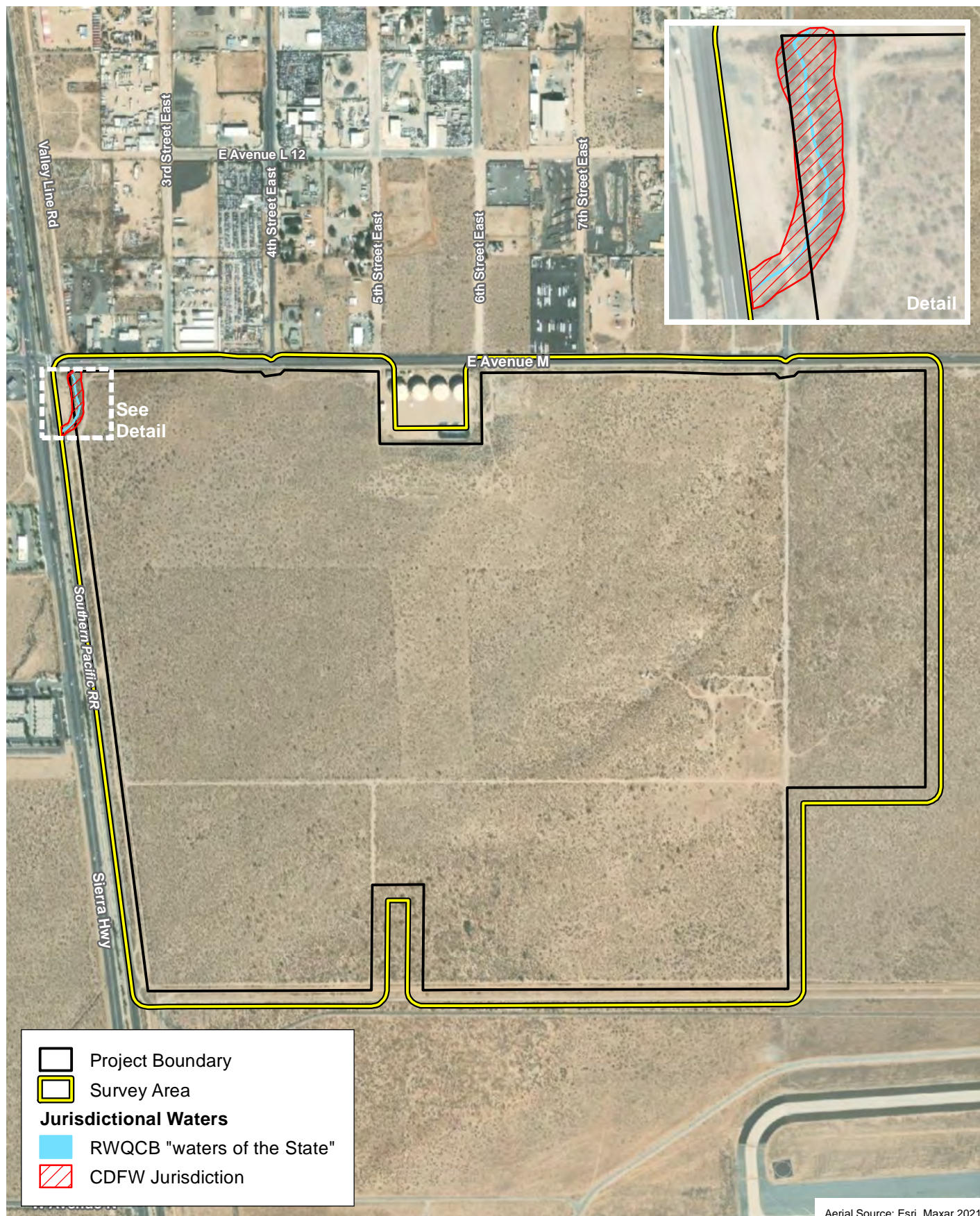
No hydrophytic vegetation was observed during the field survey and no depressions were noted where ponded water conditions would occur that would suggest development of wetland conditions. The National Wetland Inventory shows one area in the northern-central part of the site that is noted as a potential wetland area. In reviewing historic aerial photographs of that area, surface water is observed in 2009 but appears to be in a small rectangular area where some ground disturbance had occurred, suggesting an artificial feature. No surface water was observed in any subsequent aerial photographs. Aerial photographs prior to 2009 indicated no noticeable difference between the area and the surrounding landscape. To determine if wetland conditions were present in this area, a wetland sampling point was excavated there to determine if hydric soil conditions were present.

Regional Water Quality Control Board Jurisdiction

WOTUS are not considered present in the survey area due to the lack of connectivity to a Traditional Navigable Water (TNW). However, the RWQCB’s definition of “waters of the State” is much broader and includes intermittent and ephemeral waters and those that are not connected to a TNW. Therefore, the sandy wash described above would be considered “waters of the State”.

The limits of non-wetland “waters of the State” were defined by the presence of the OHWM. Evidence of an OHWM in the survey area consists of scour marks created by storm water flowing through the survey area. Approximately 0.015 acre of non-wetland “waters of the State” under the regulatory authority of the Lahontan RWQCB occur on the Project site (Table 5). The extent of RWQCB jurisdiction is shown on Exhibit 6.

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Aerial Source: Esri, Maxar 2021

Jurisdictional Resources

Antelope Valley Commerce Center Project

Exhibit 6



850 425 0 850
Feet



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California Department of Fish and Wildlife Jurisdiction

The limits of CDFW jurisdiction on the Project site were mapped to the top of the bank. There is no adjacent riparian habitat present along these features so that CDFW's jurisdiction is limited to the top of the stream bank. Based on this boundary, the total amount of CDFW's jurisdictional area is 0.498 acre (Table 5). The extent of CDFW jurisdiction is shown on Exhibit 6.

3.4.4 Special Status Plants

Table 6 provides a summary of special status plant species reported to occur in the Project region (i.e., the USGS' Palmdale, Lancaster East, Lancaster West, Alpine Butte, Littlerock, and Ritter Ridge 7.5-minute quadrangles) and includes information on the status, species background, potential for occurrence, and results of focused survey efforts. This list includes species reported by the CNDDDB and the CNPS, supplemented with species from the Project Biologist's experience that either occur nearby or could occur based on the presence of potentially suitable habitat. Note that these species are listed alphabetically according to their scientific name. Exhibits 7 and 8 show the locations of special status species observed during surveys.

Project Boundary

Direct Impact Area

Joshua Tree indirect impact area

Special Status Trees

California juniper (*Juniperus californica*)

western Joshua tree (*Yucca brevifolia*)

Jurisdictional Resources

RWQCB "waters of the State"

CDFW Jurisdiction

Special Status Plants

Crowned muilla (*Muilla coronata*)

Silver cholla (*Cylindropuntia echinocarpa*)

Unidentified Themidaceae

Vegetation Types and Other Areas

Joshua tree woodland

disturbed Joshua tree woodland

rubber rabbitbrush scrub

disturbed big sagebrush - rubber rabbitbrush scrub

creosote bush scrub

disturbed rubber rabbitbrush - Nevada ephedra scrub

rubber rabbitbrush - Nevada ephedra scrub/Joshua tree woodland

Nevada ephedra - cheesebush - Cooper's box thorn scrub/Joshua tree woodland

bare ground

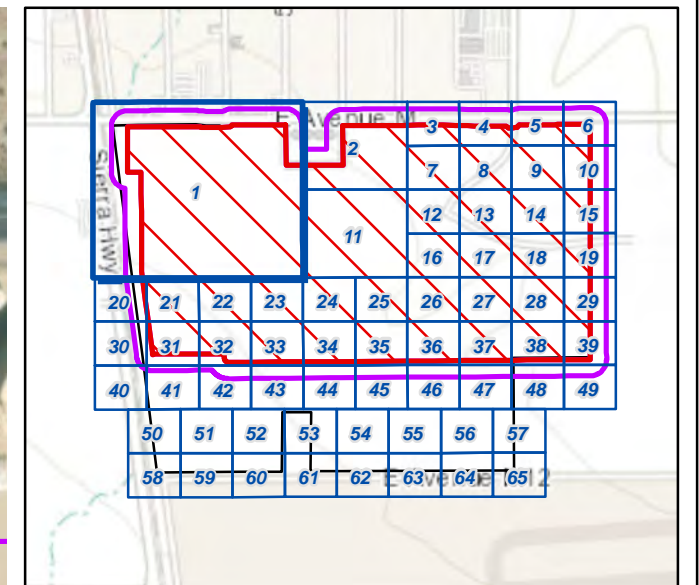
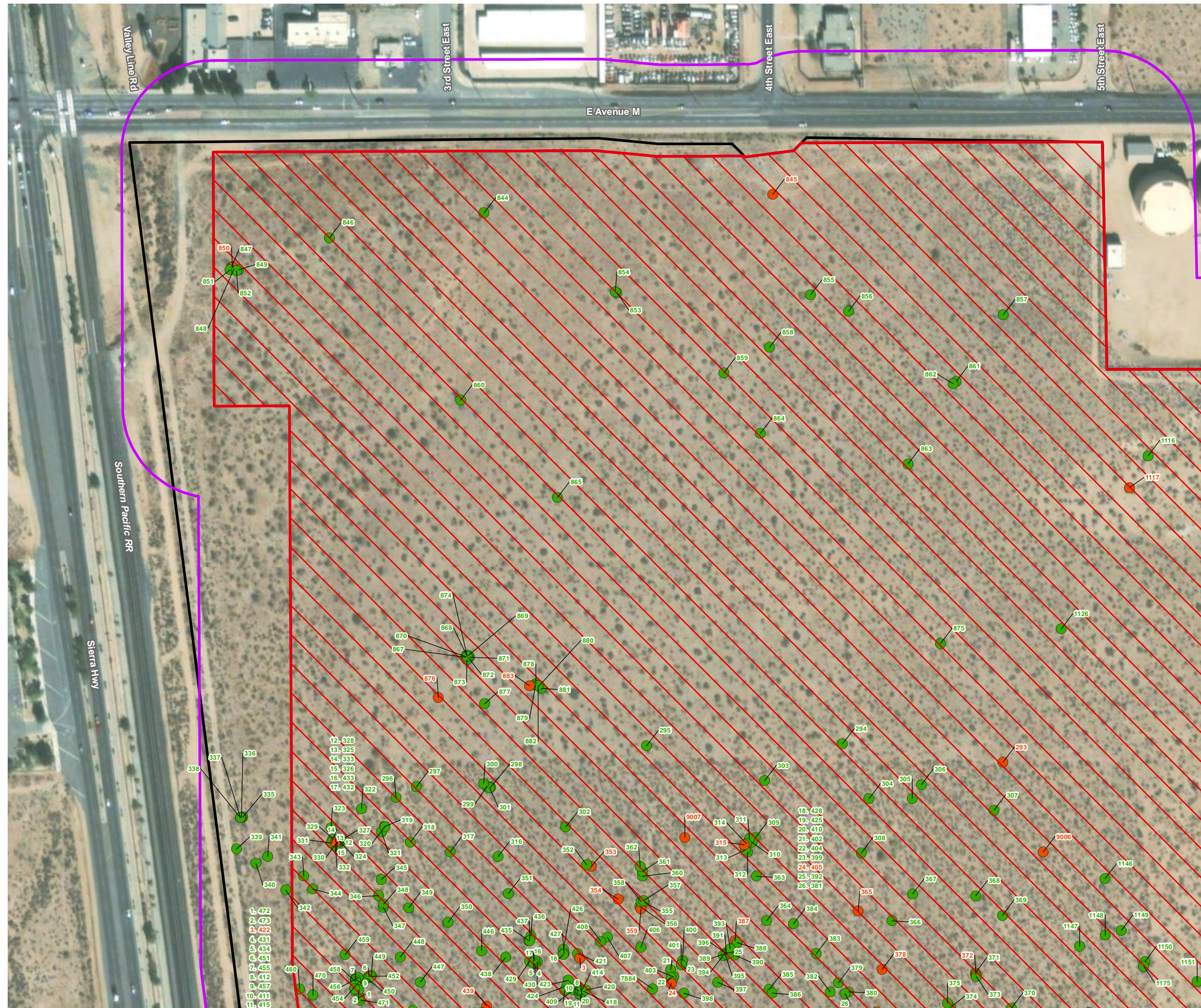
Aerial Source: Esri, Maxar 2021

Biological Resource Impacts Antelope Valley Commerce Center Project

Exhibit 7

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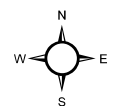


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 100 200 400 Feet

Aerial Source: Esri, Maxar 2021

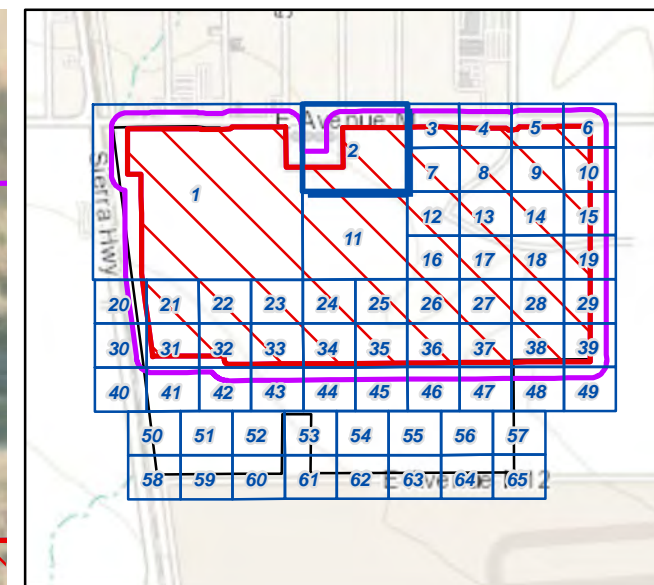
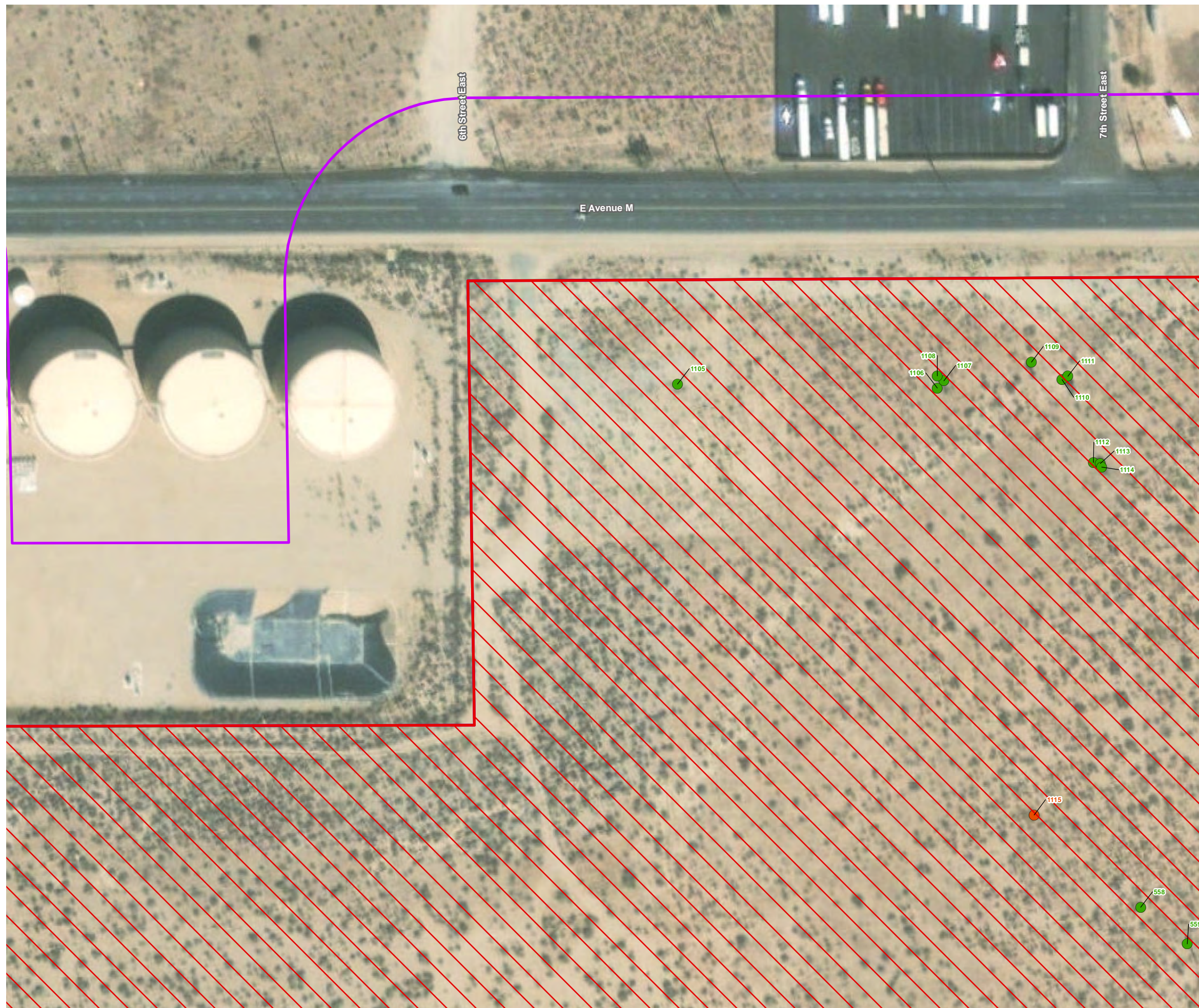
Joshua Tree Impacts Exhibit 8-1

Antelope Valley Commerce
Center Project



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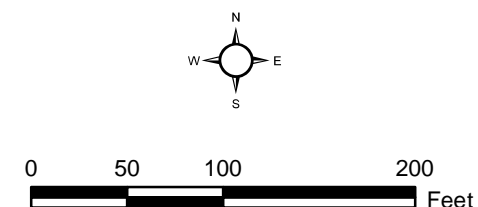


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



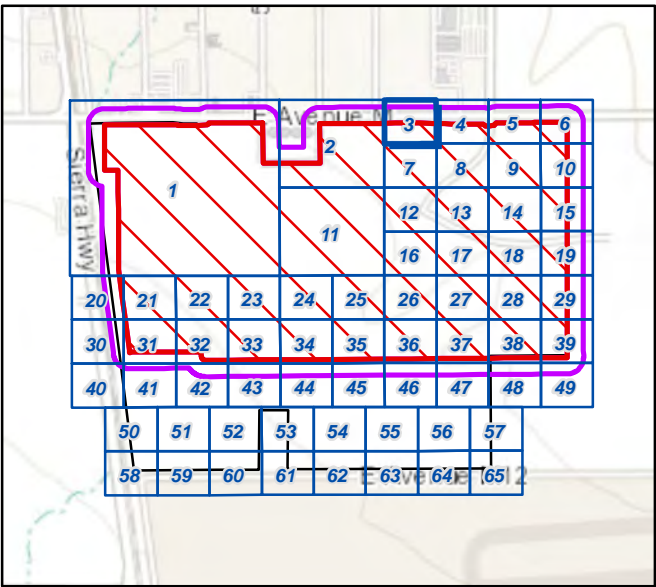
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-2

Antelope Valley Commerce
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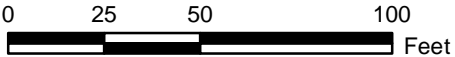
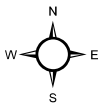


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.

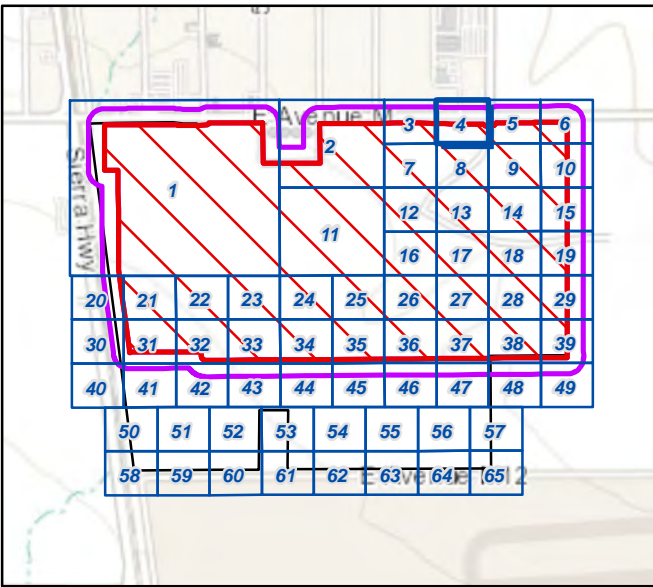
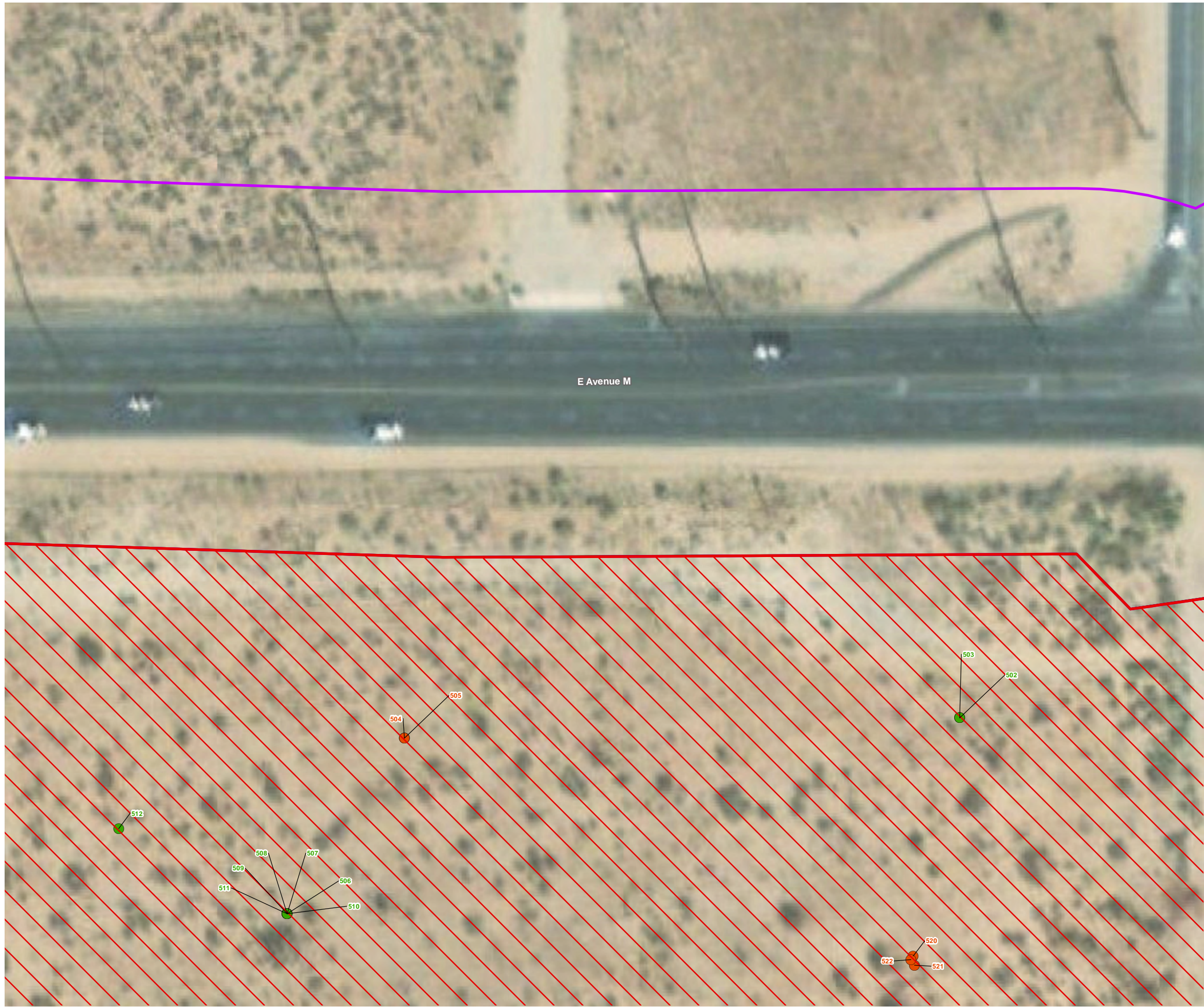


Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-3

Antelope Valley Commerce
Center Project



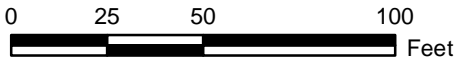
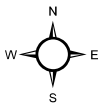


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.

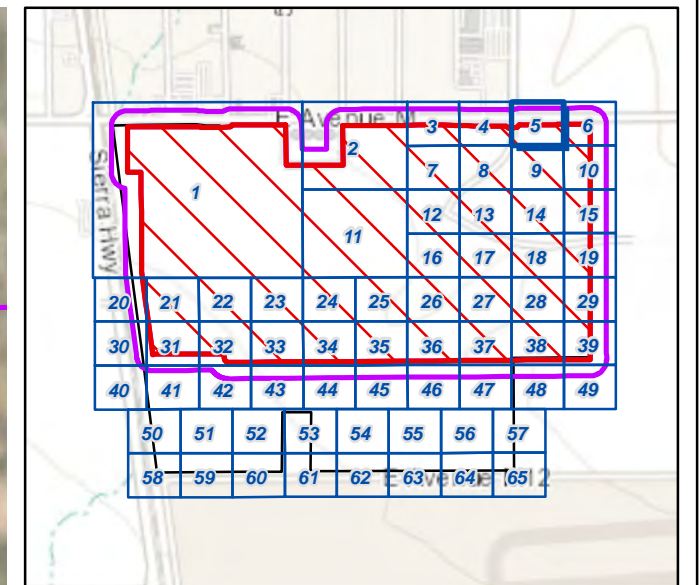
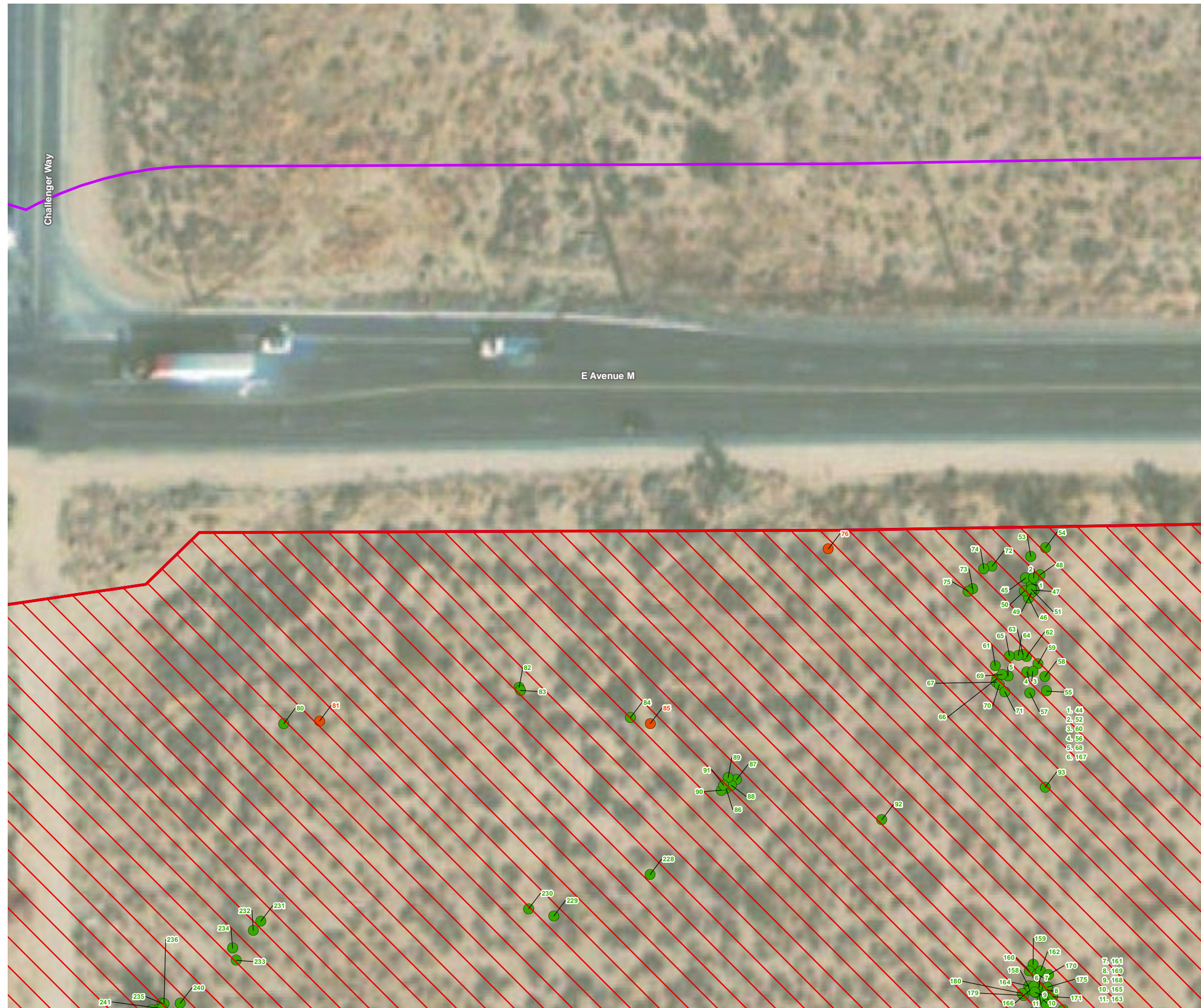


Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-4
Antelope Valley Commerce Center Project



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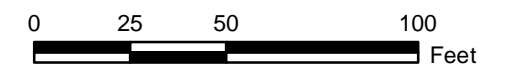
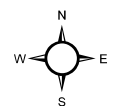


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

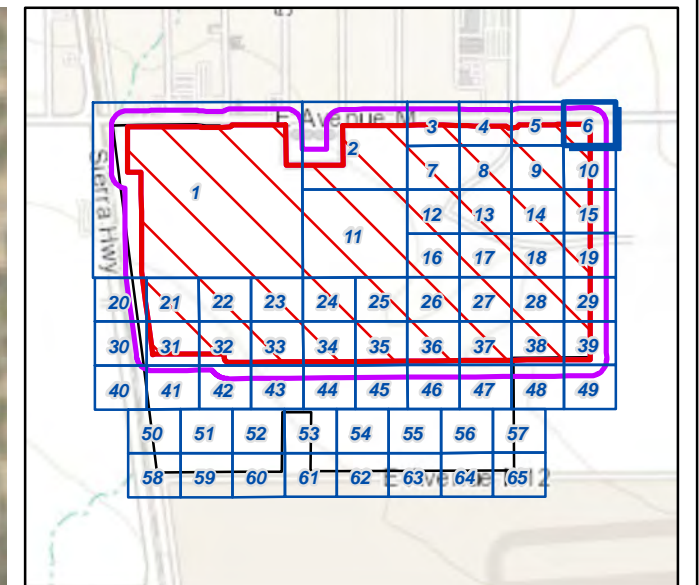
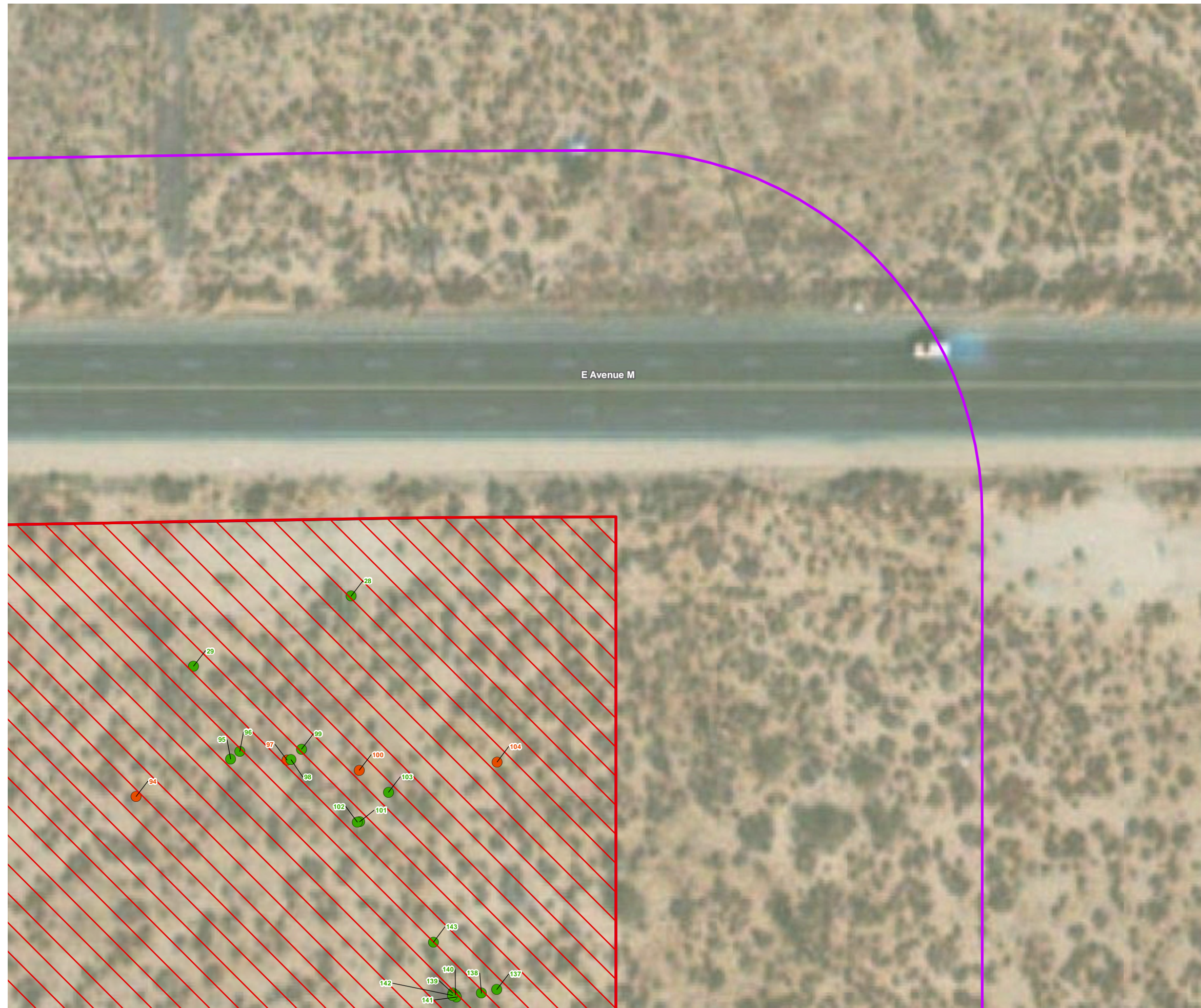
Joshua Tree Impacts Exhibit 8-5

Antelope Valley Commerce
Center Project



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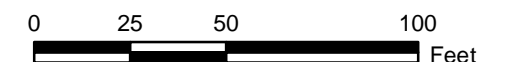
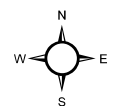


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



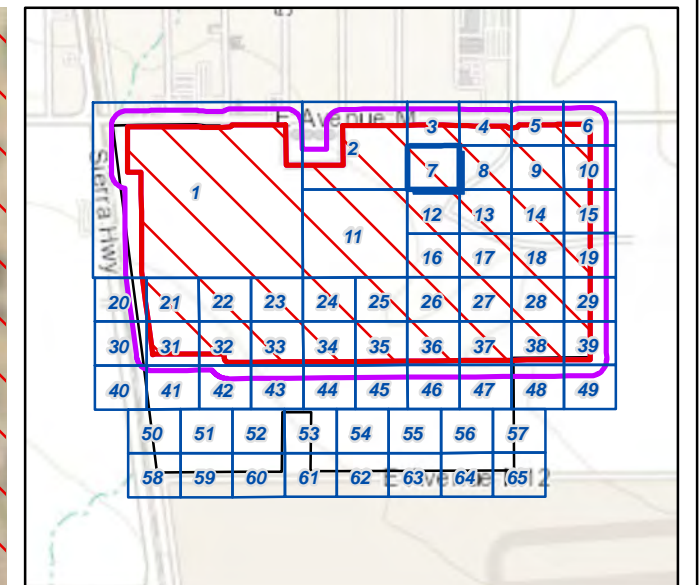
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Joshua Tree Impacts Exhibit 8-6

Antelope Valley Commerce
Center Project



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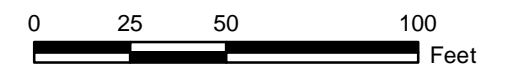
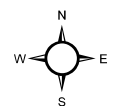


- Project Boundary
- Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



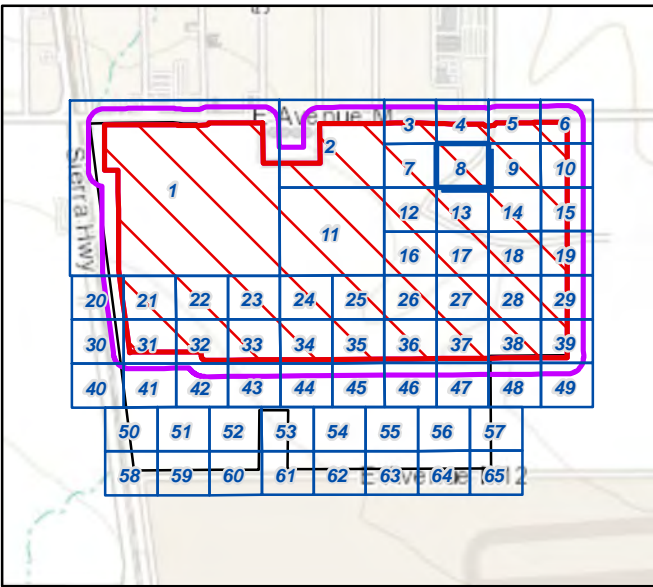
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Joshua Tree Impacts Exhibit 8-7

Antelope Valley Commerce
Center Project





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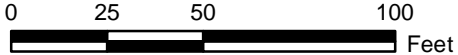
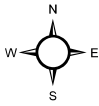


-  Project Boundary
-  Direct Impact Area

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



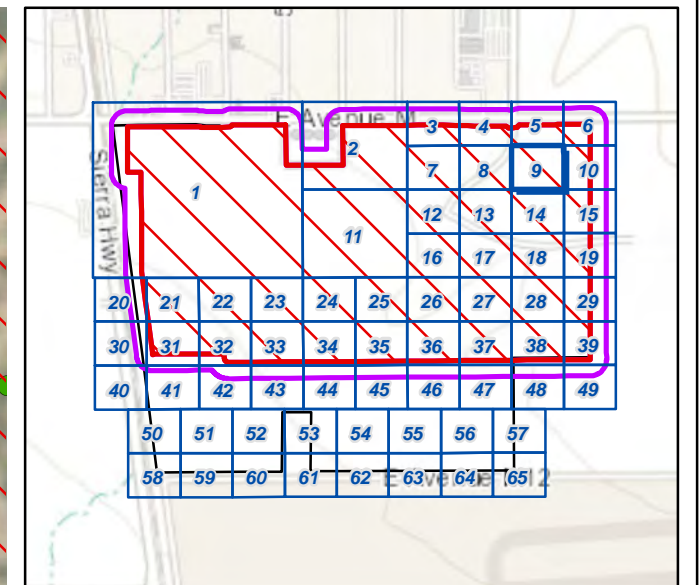
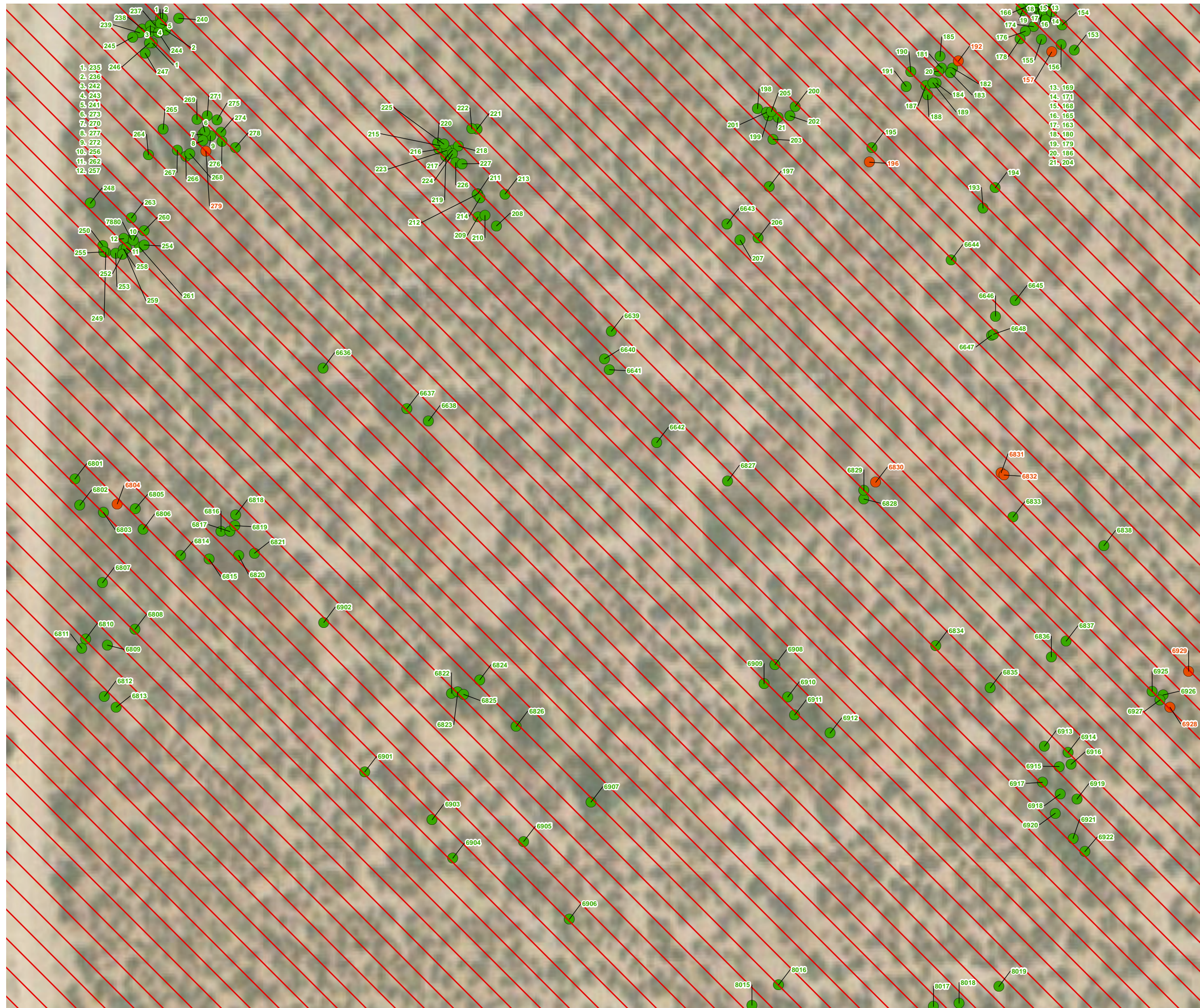
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Joshua Tree Impacts Exhibit 8-8


Antelope Valley Commerce Center Project





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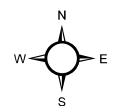
 Project Boundary

 Direct Impact Area

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

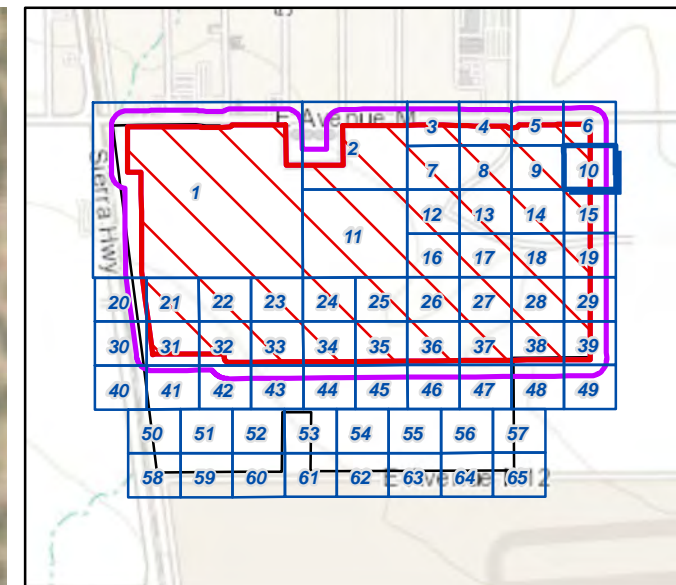
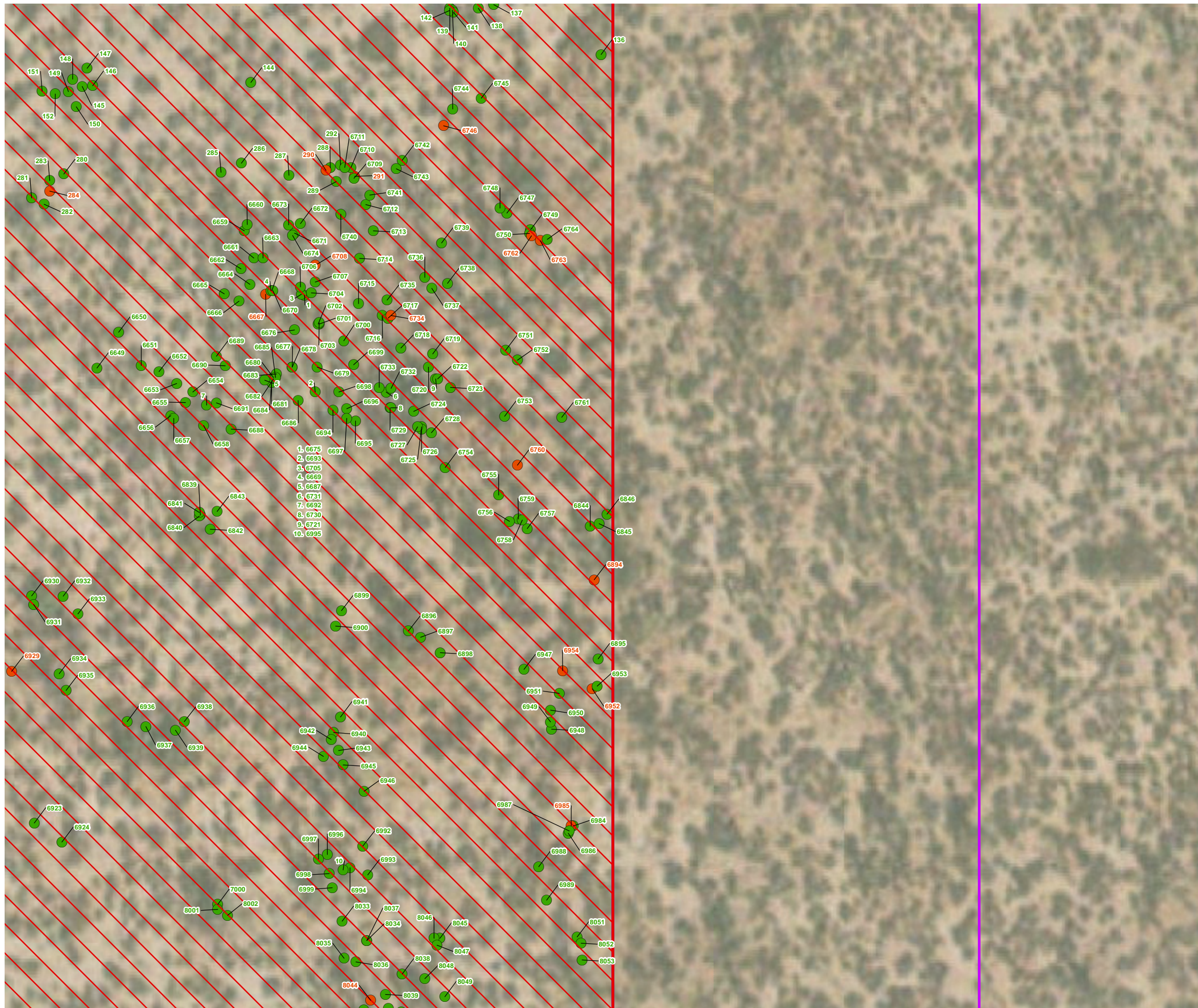
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Joshua Tree Impacts Exhibit 8-9

Antelope Valley Commerce
Center Project



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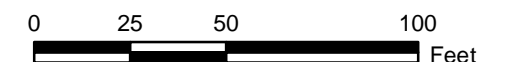
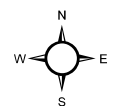


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



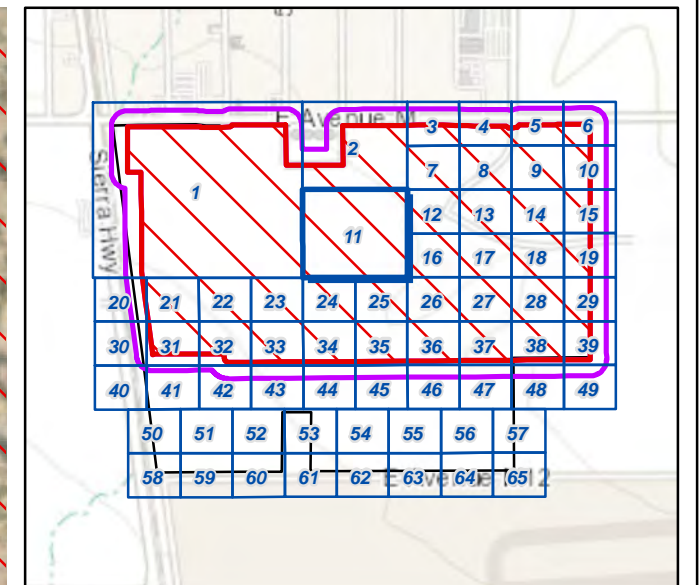
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Joshua Tree Impacts Exhibit 8-10

Antelope Valley Commerce
Center Project



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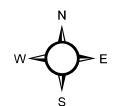
Project Boundary

Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 50 100 200 Feet

Aerial Source: Esri, Maxar 2021

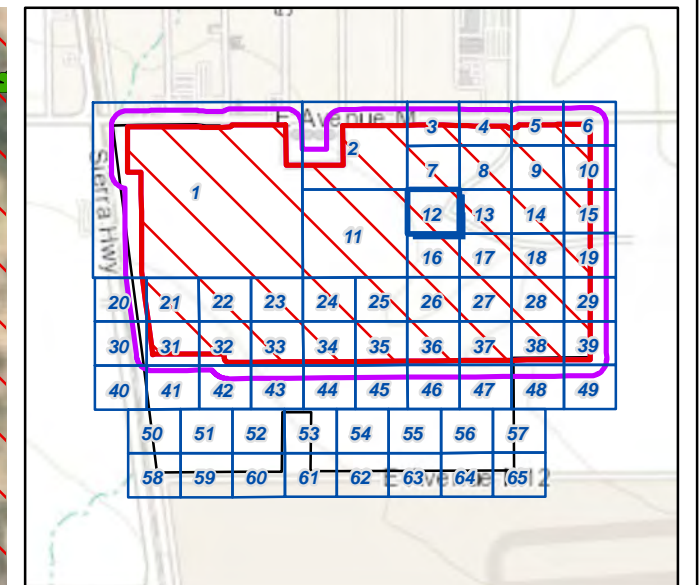
Joshua Tree Impacts Exhibit 8-11

Antelope Valley Commerce
Center Project



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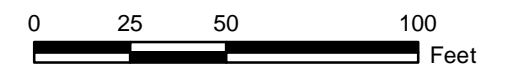
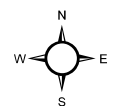


- Project Boundary
- Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

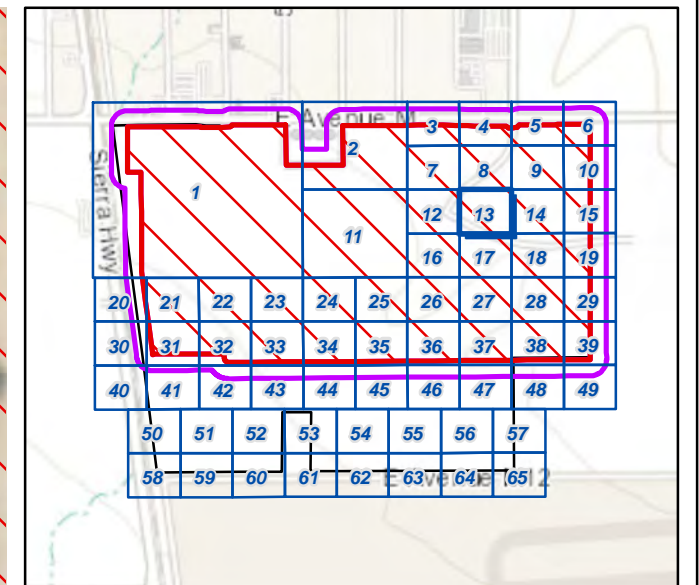
Joshua Tree Impacts Exhibit 8-12

Antelope Valley Commerce
Center Project




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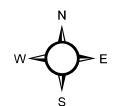
 Project Boundary

 Direct Impact Area

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

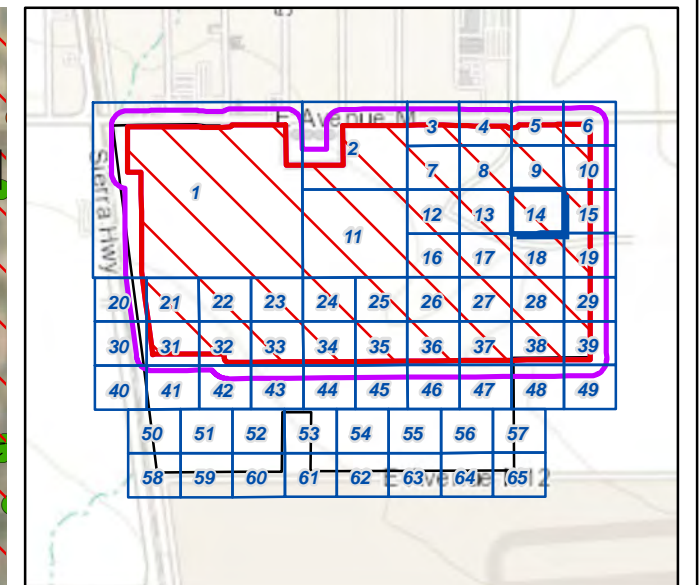
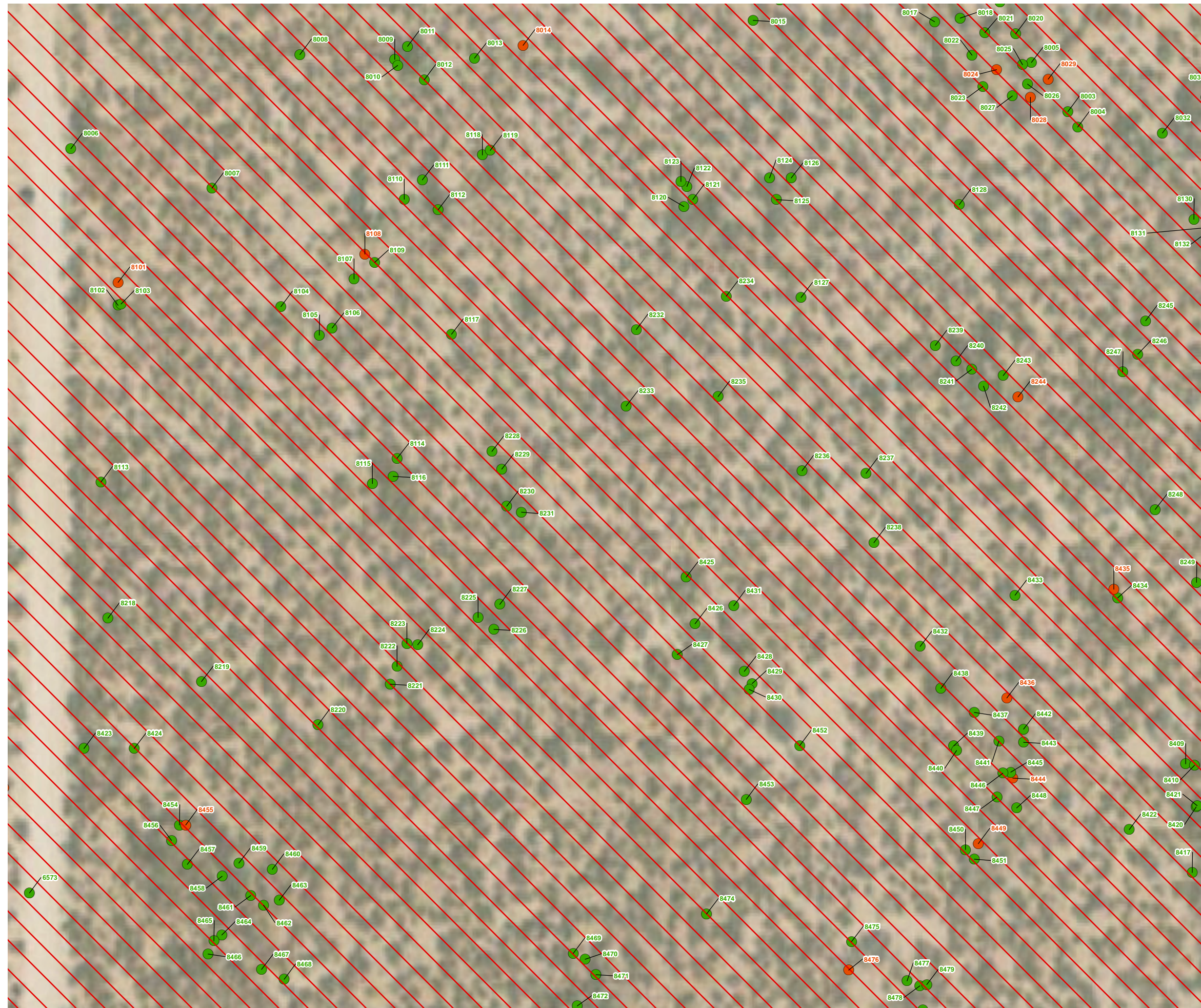
Joshua Tree Impacts Exhibit 8-13

Antelope Valley Commerce
Center Project



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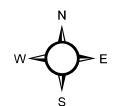
Project Boundary

Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

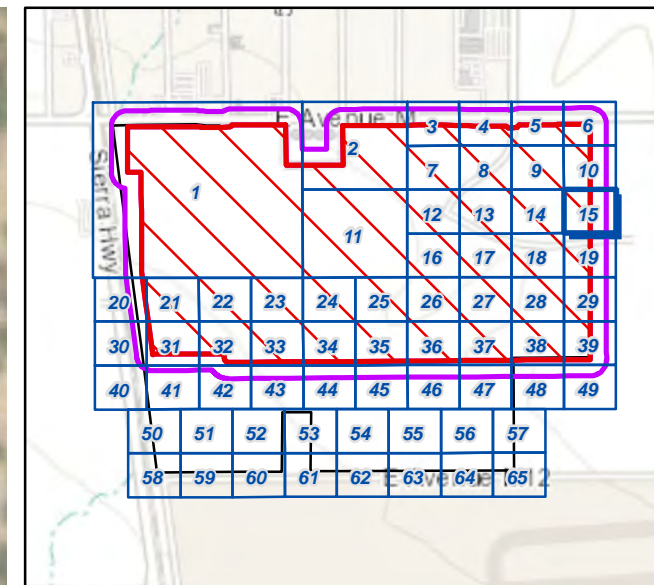
Joshua Tree Impacts Exhibit 8-14

Antelope Valley Commerce
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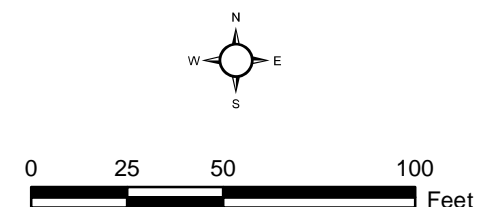


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



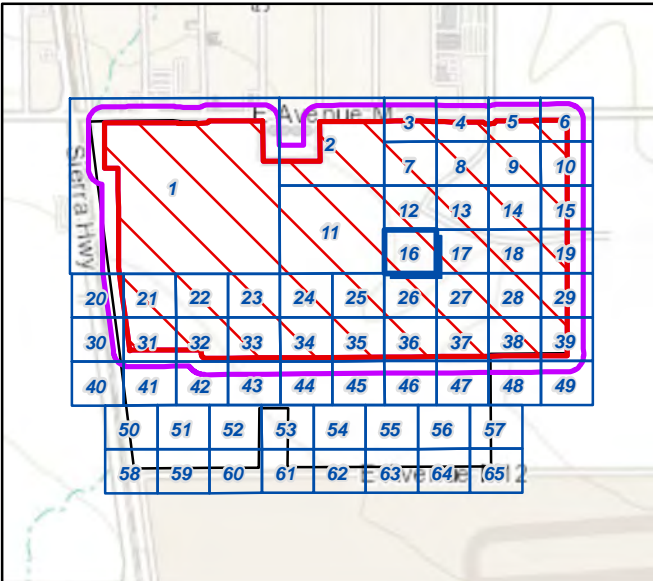
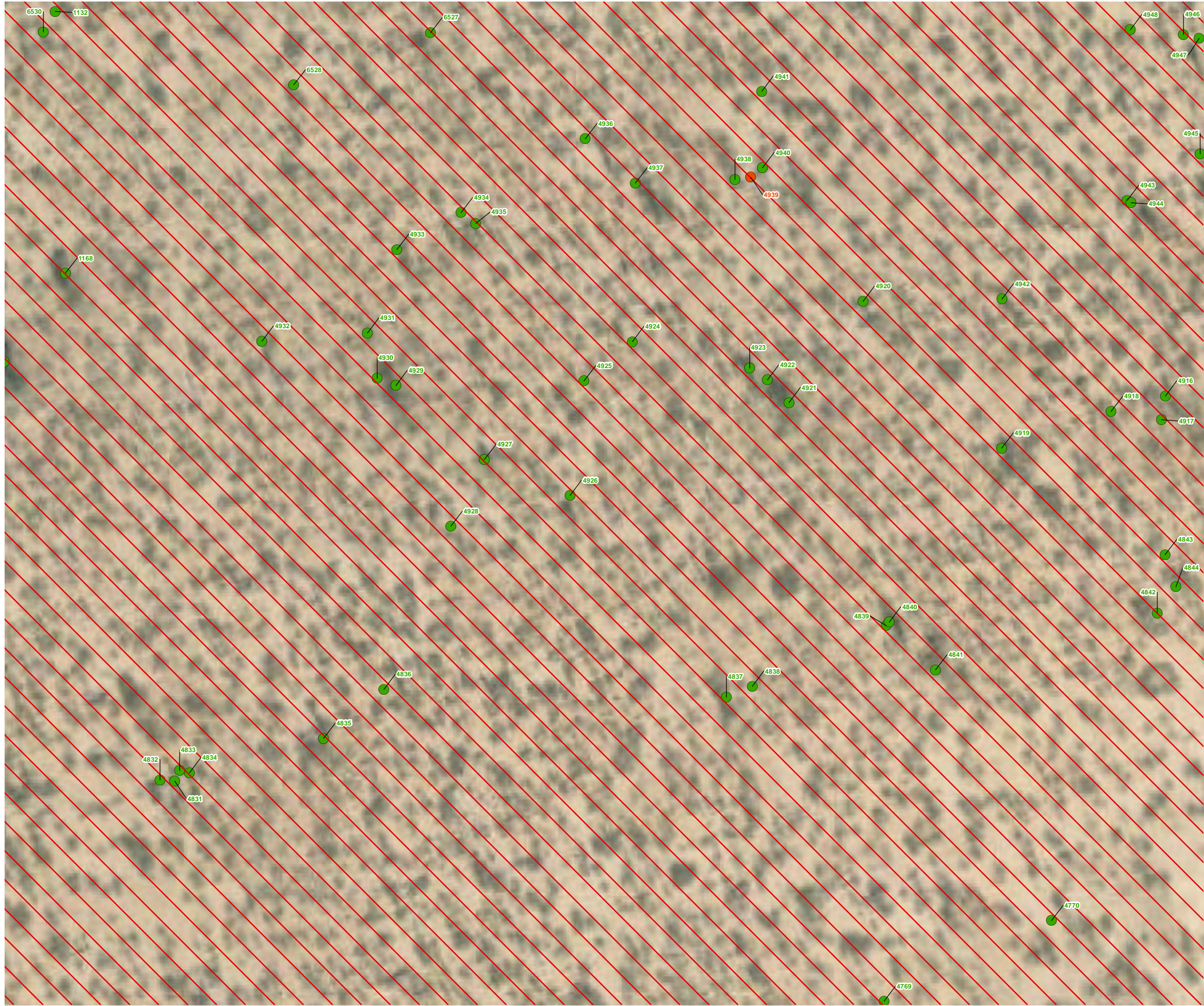
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-15

Antelope Valley Commerce
Center Project



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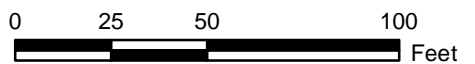
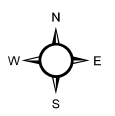


- Project Boundary
- Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

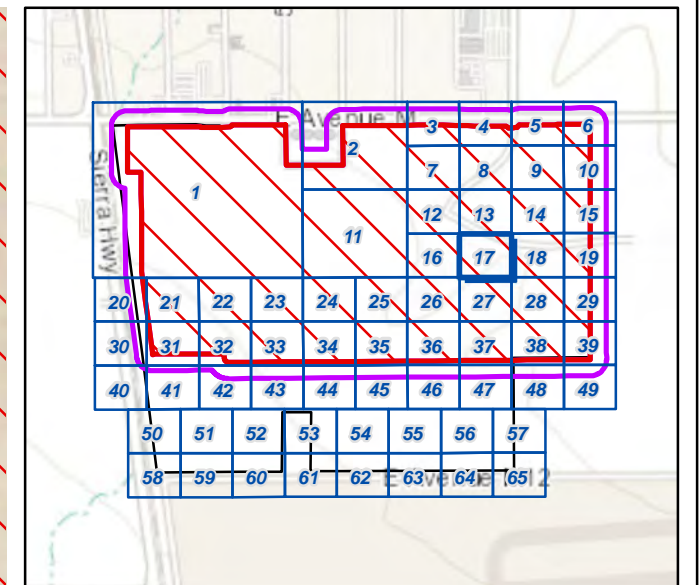
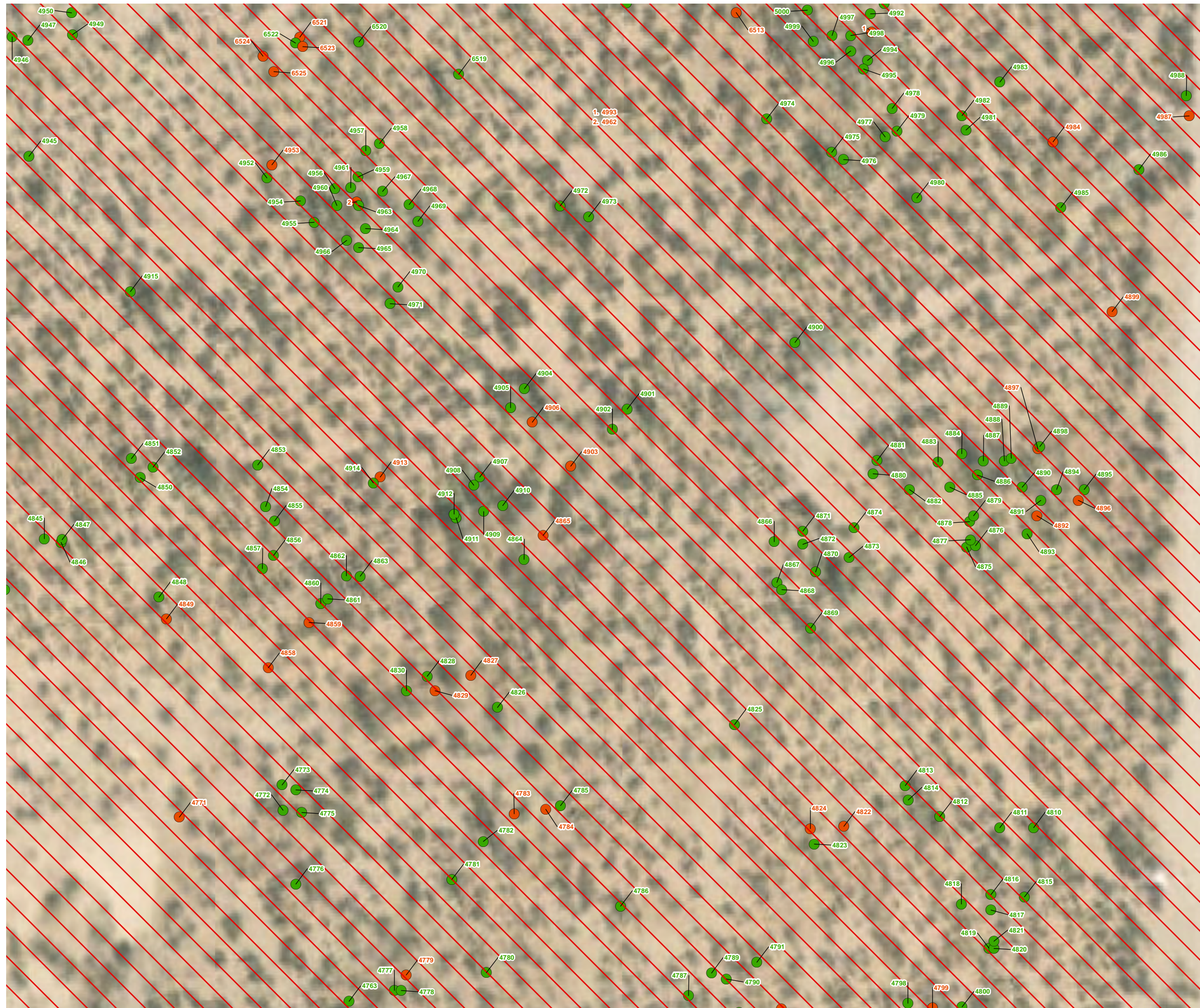
Joshua Tree Impacts Exhibit 8-16



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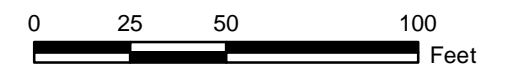
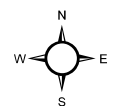


-  Project Boundary
-  Direct Impact Area

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



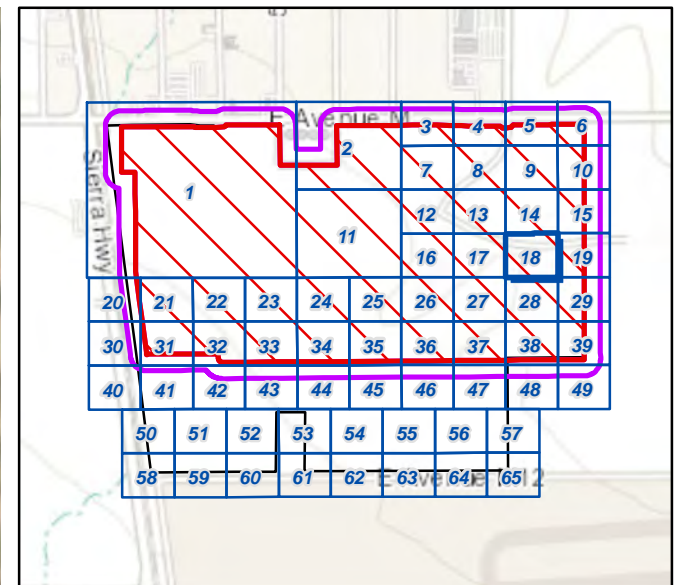
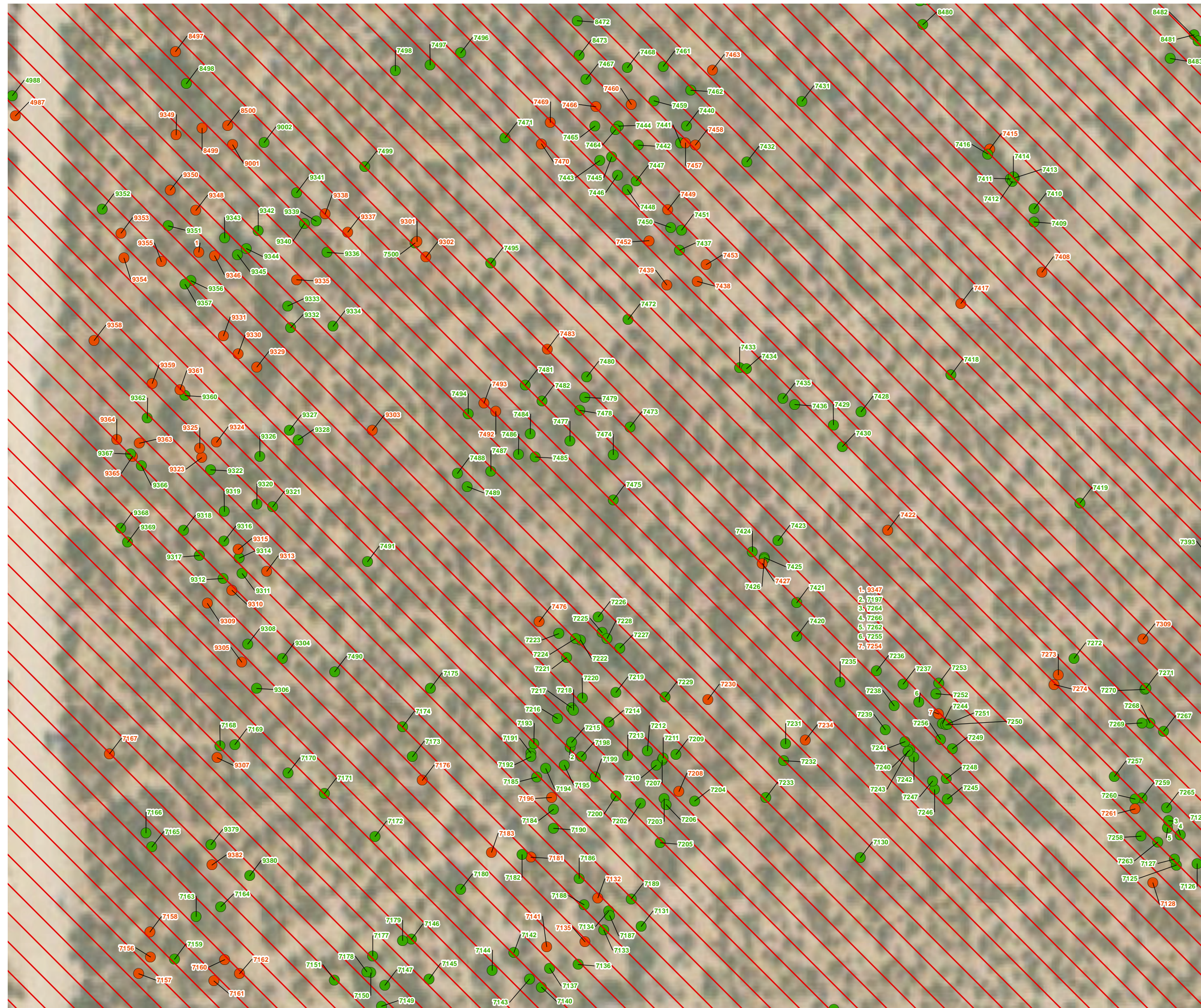
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-17

Antelope Valley Commerce
Center Project



(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotech\ex_JT_Impacts.pdf

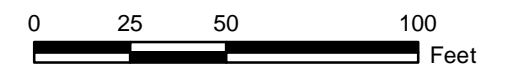
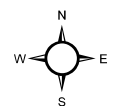


- Project Boundary
- Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

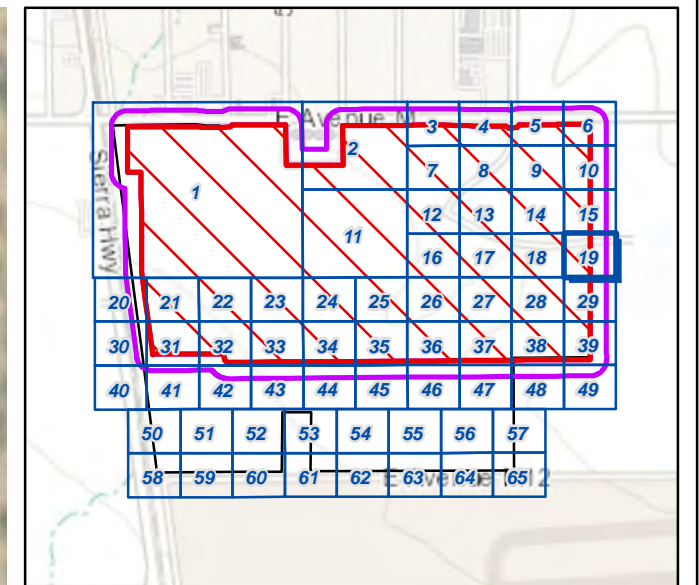
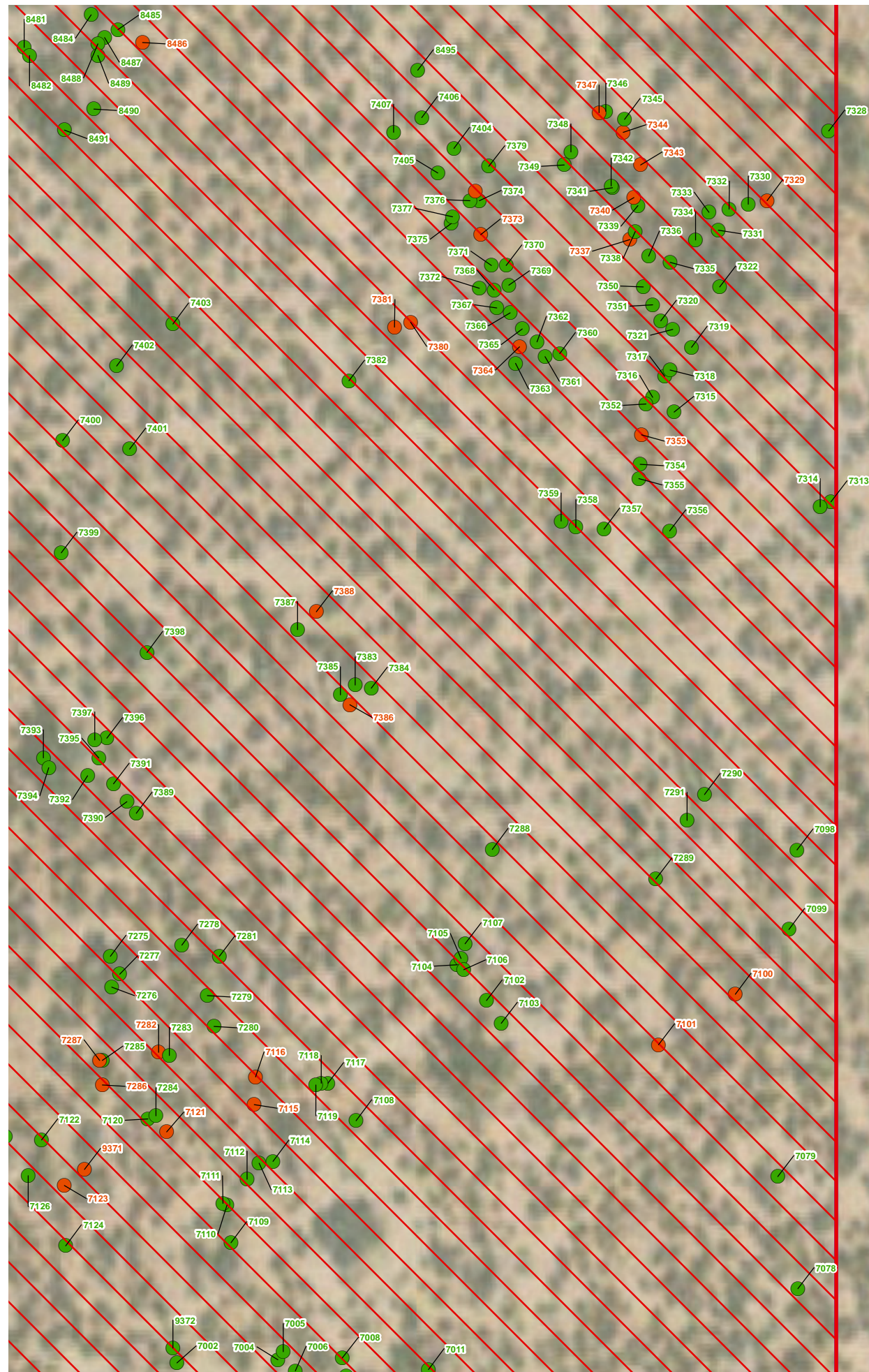
Joshua Tree Impacts Exhibit 8-18

Antelope Valley Commerce
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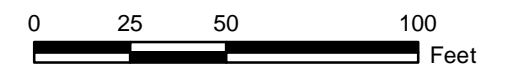
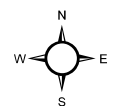


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



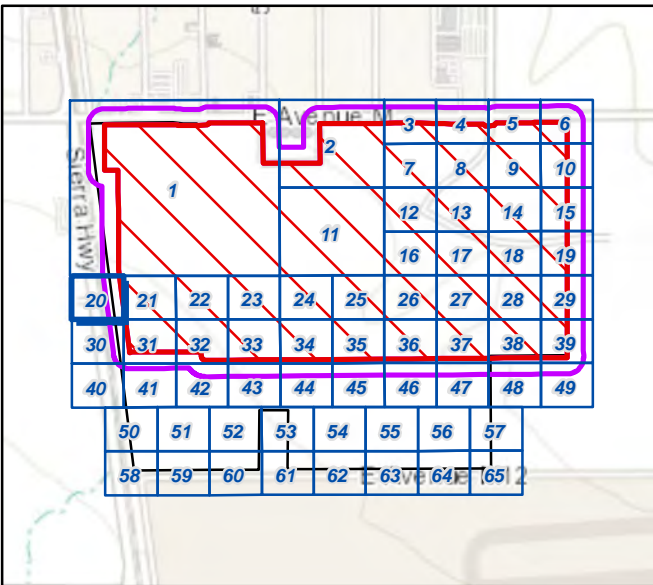
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-19

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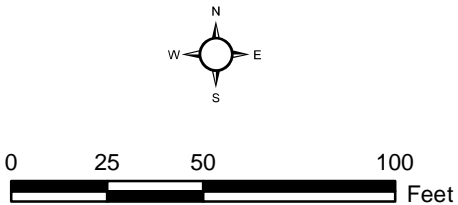


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



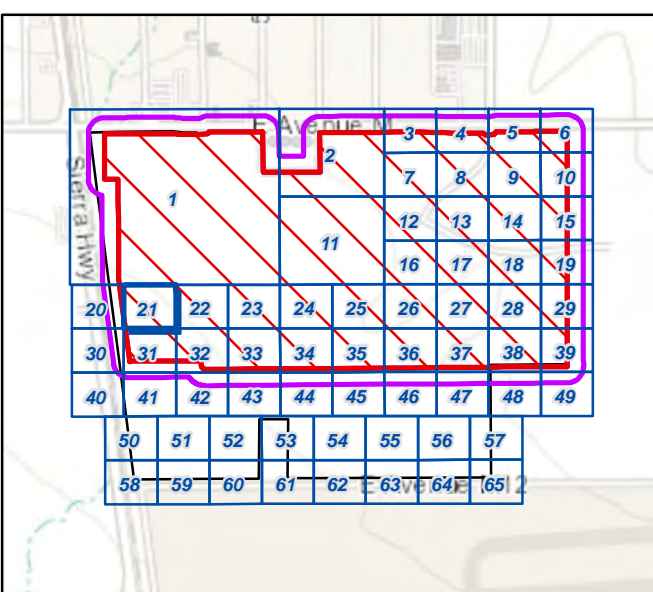
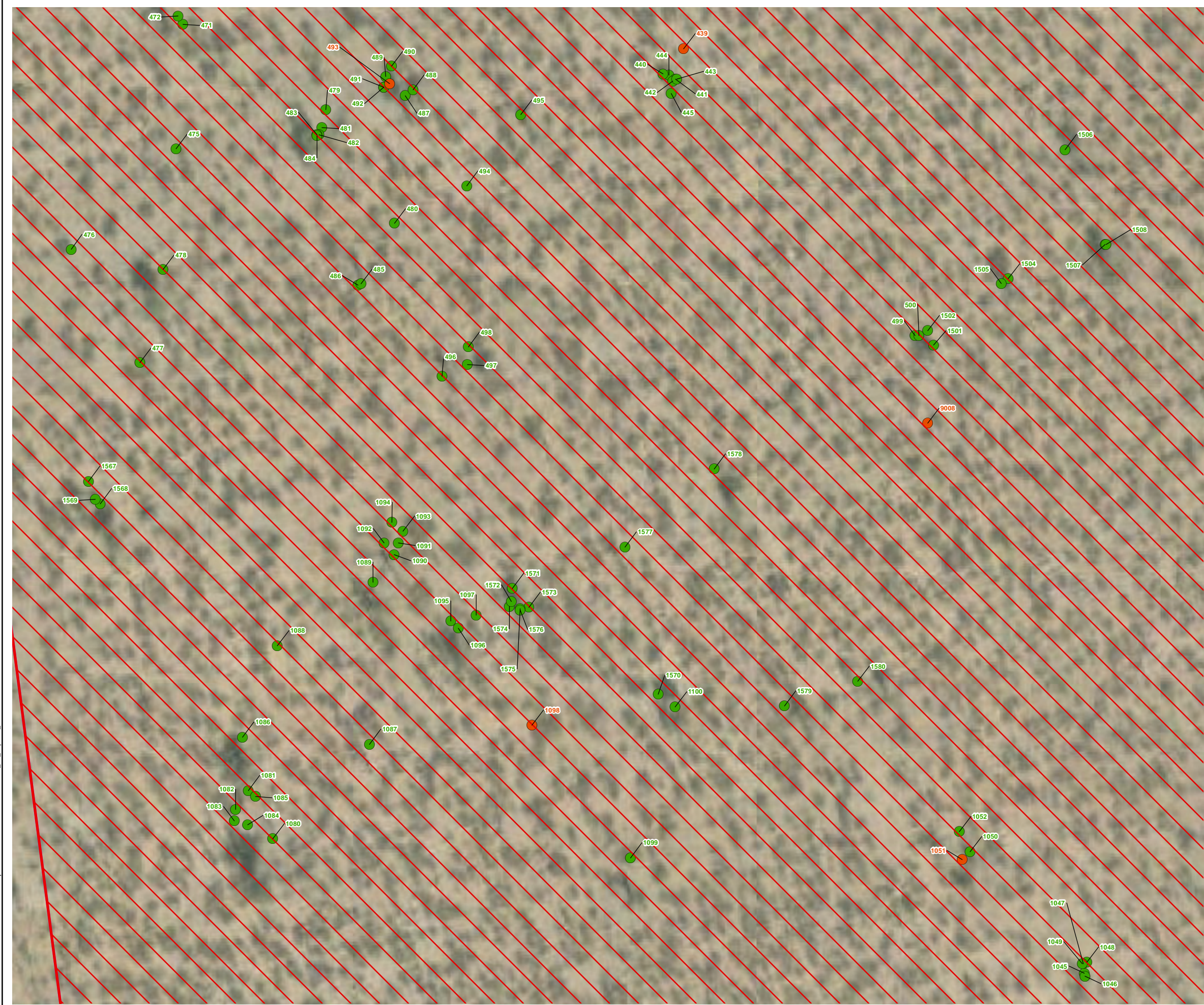
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-20

Antelope Valley Commerce
Center Project



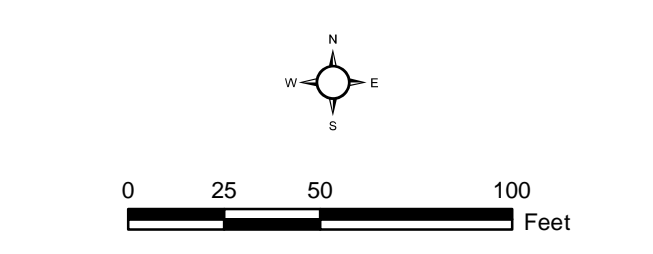
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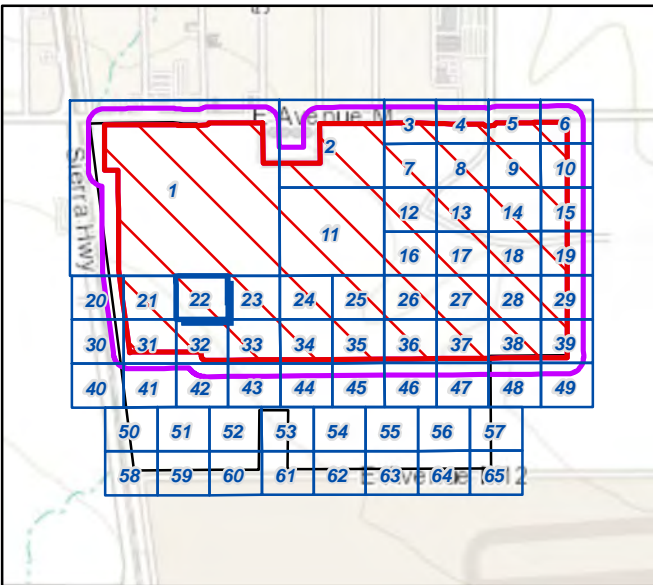
- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



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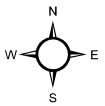
Project Boundary

Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

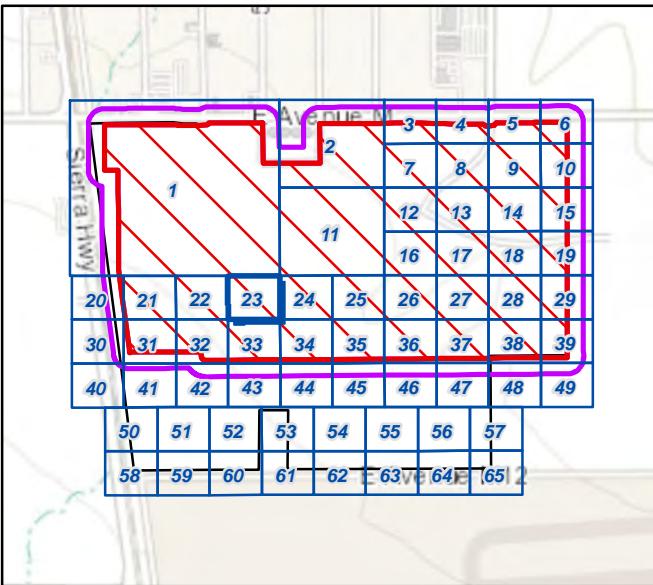
Joshua Tree Impacts Exhibit 8-22

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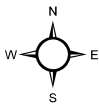
Project Boundary

Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

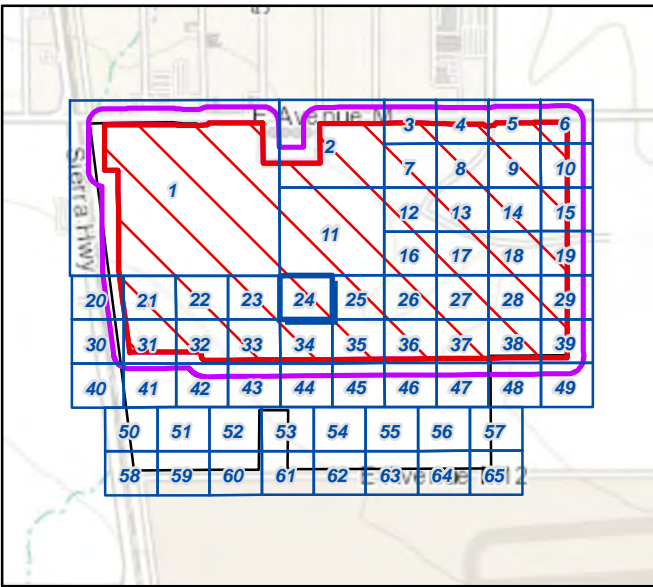
Joshua Tree Impacts Exhibit 8-23

Antelope Valley Commerce
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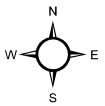
Project Boundary

Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

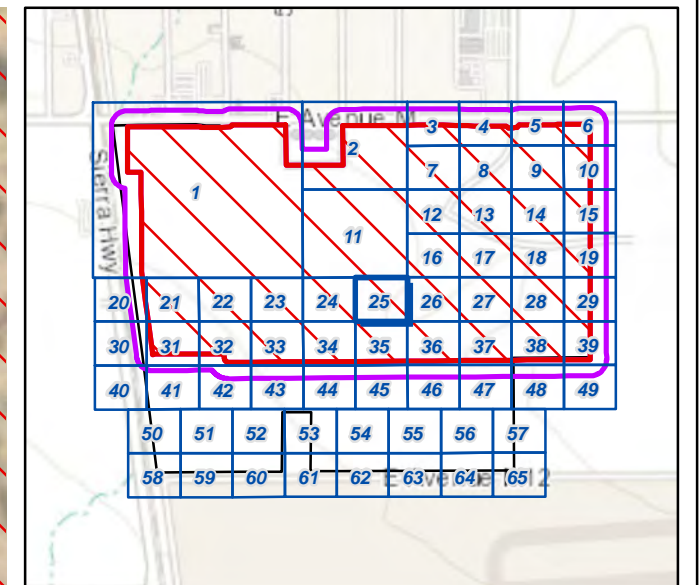
Joshua Tree Impacts Exhibit 8-24

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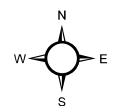
Project Boundary

Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

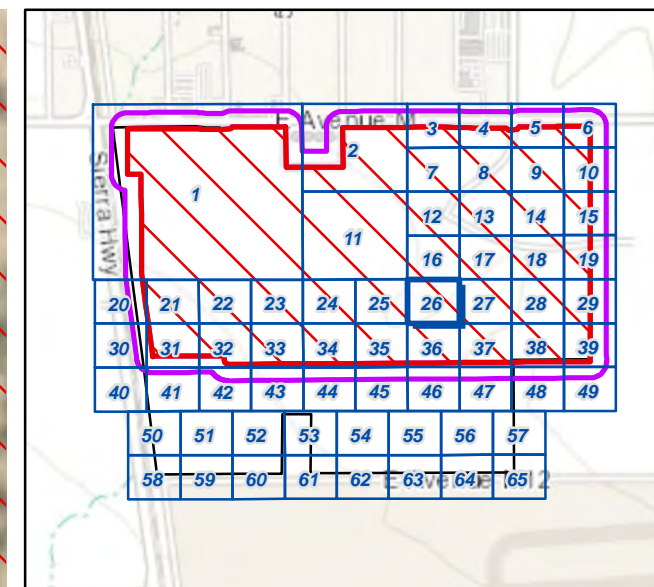
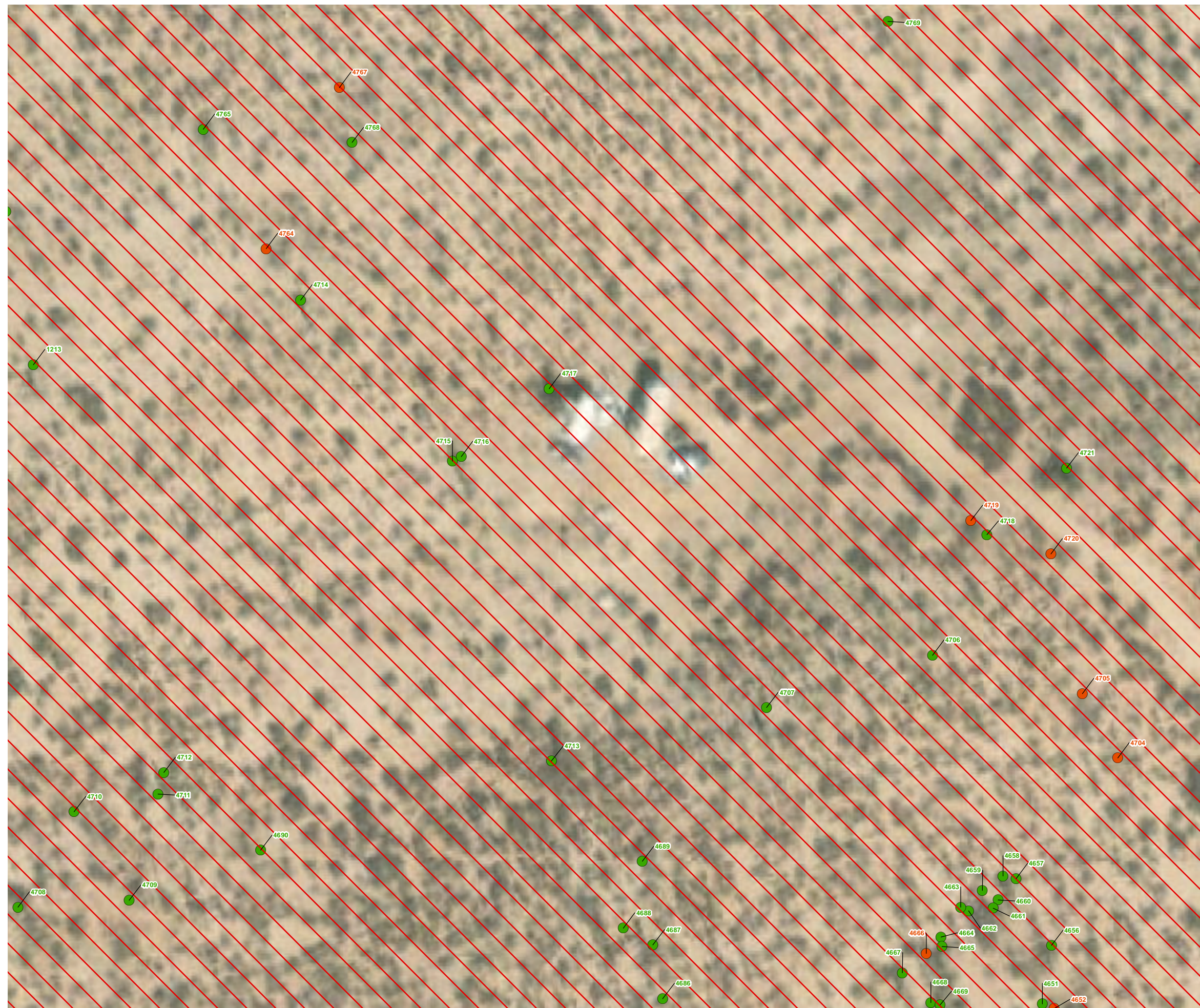
Joshua Tree Impacts Exhibit 8-25

Antelope Valley Commerce
Center Project




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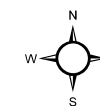
 Project Boundary

 Direct Impact Area

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

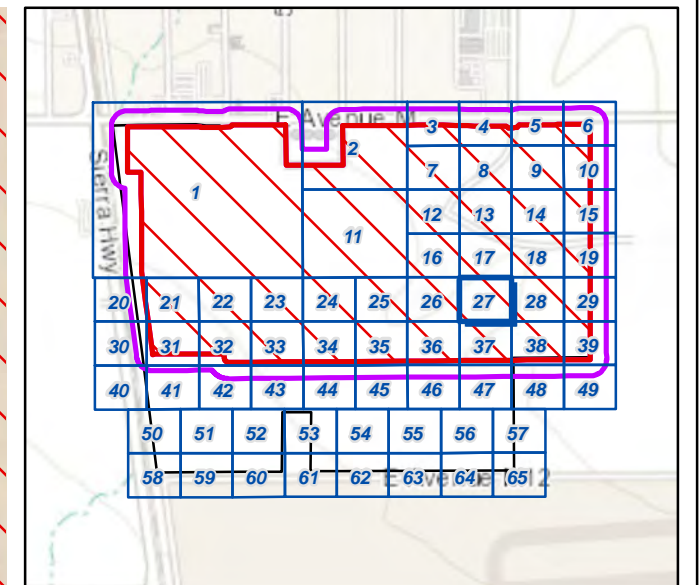
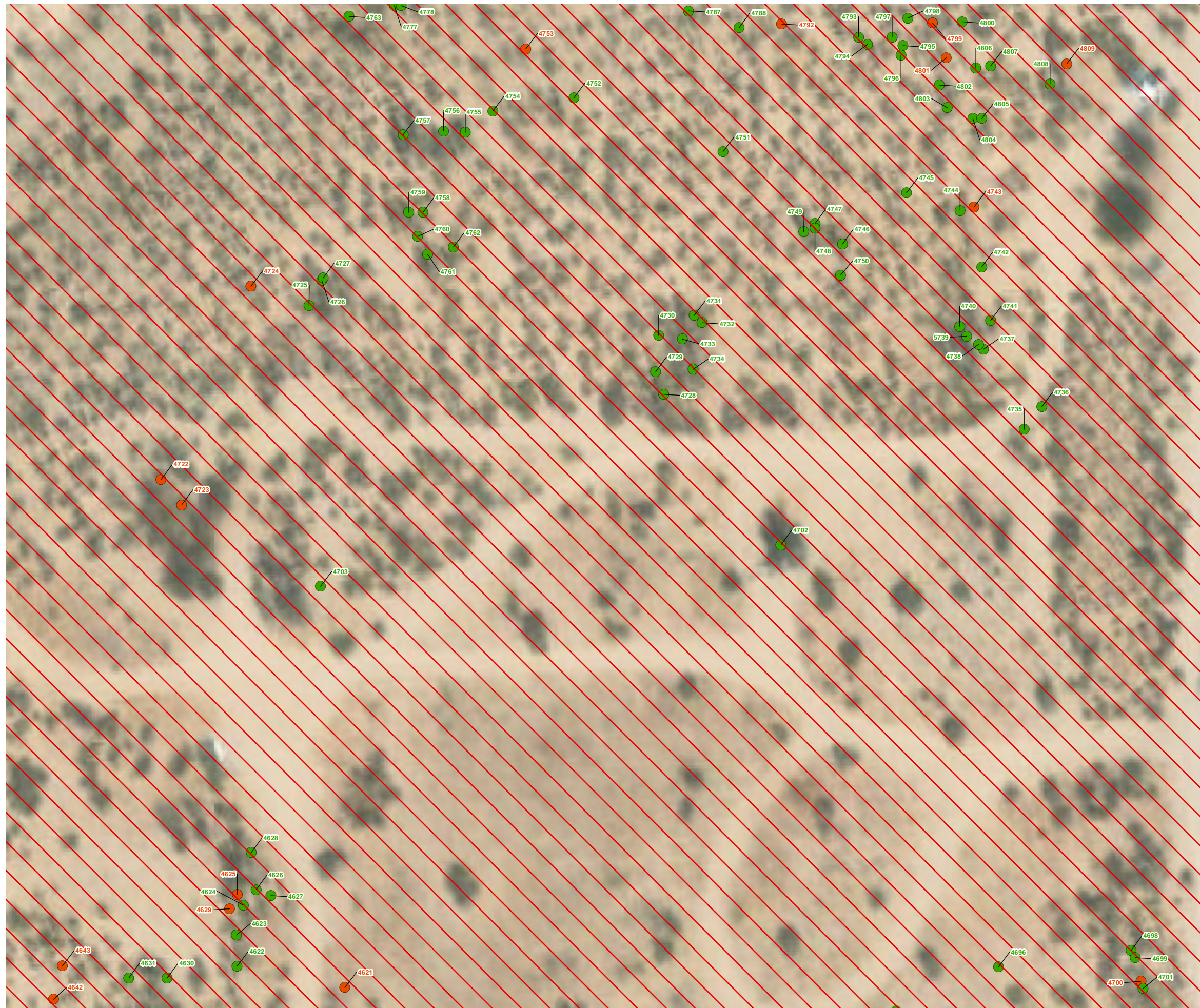
Joshua Tree Impacts Exhibit 8-26

Antelope Valley Commerce
Center Project



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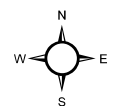


- Project Boundary
- Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

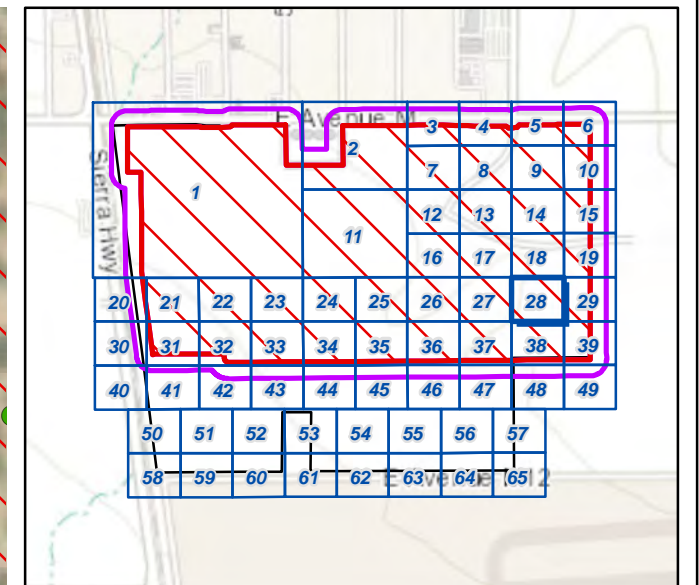
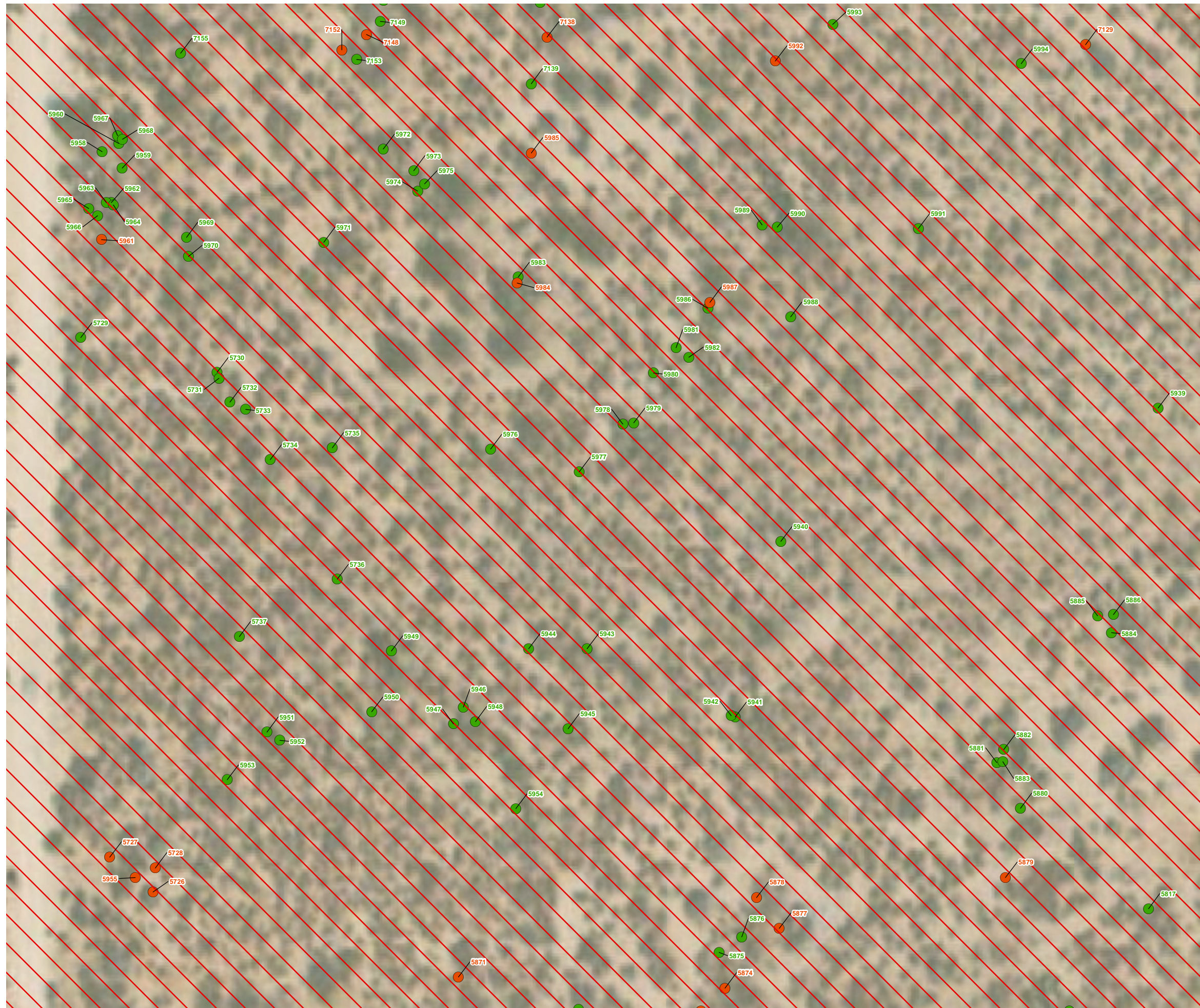
Joshua Tree Impacts Exhibit 8-27

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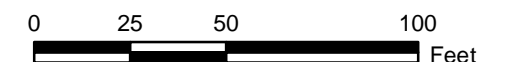
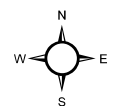


- Project Boundary
- Direct Impact Area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

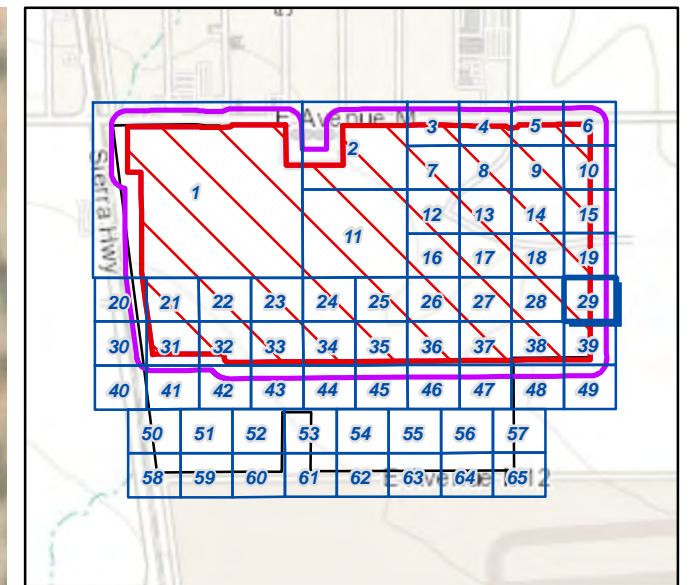
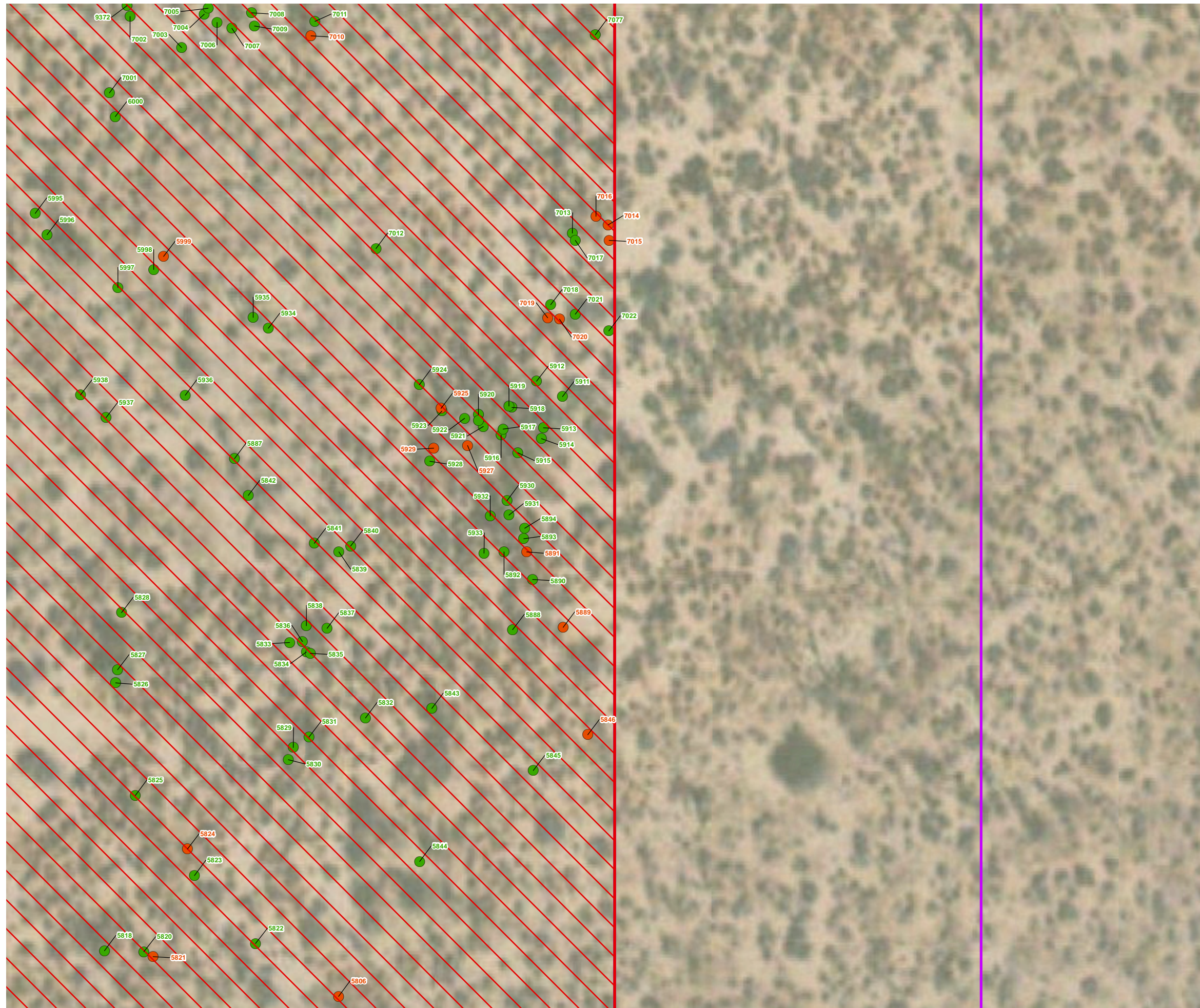
Joshua Tree Impacts Exhibit 8-28

Antelope Valley Commerce
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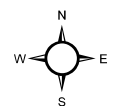


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

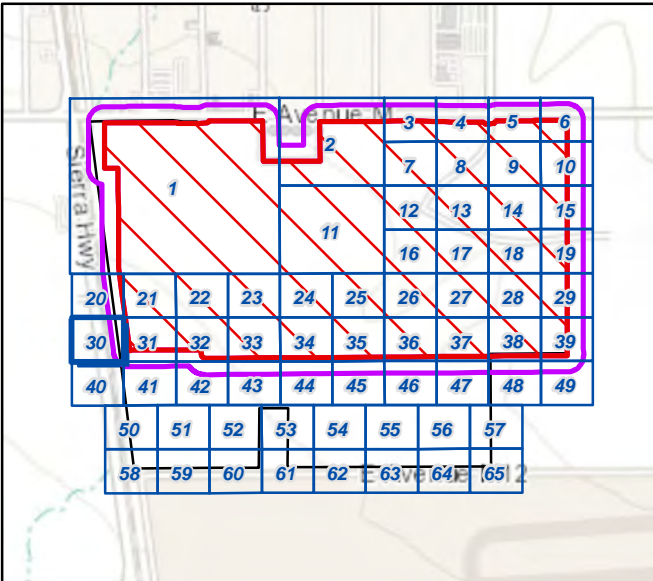
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-29

Antelope Valley Commerce
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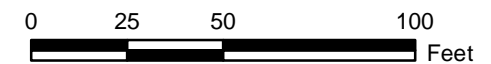
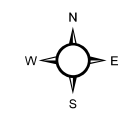


- Project Boundary
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.

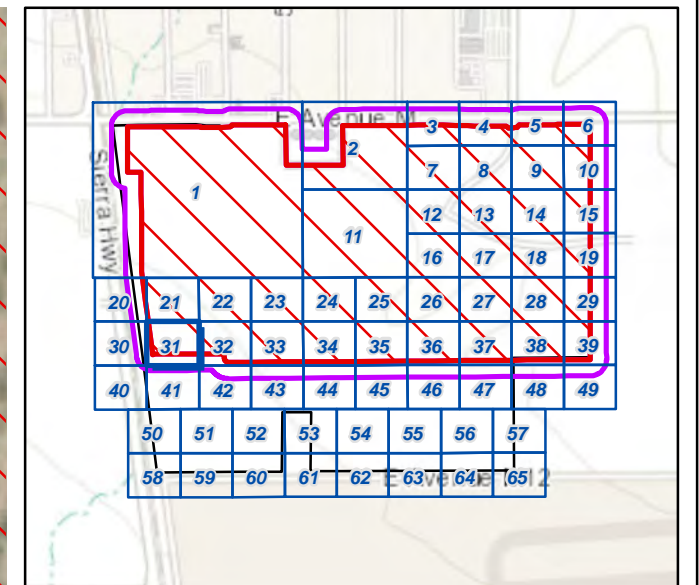


Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-30

Antelope Valley Commerce
Center Project

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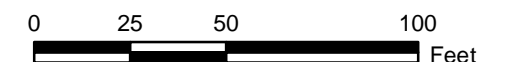
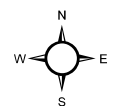


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

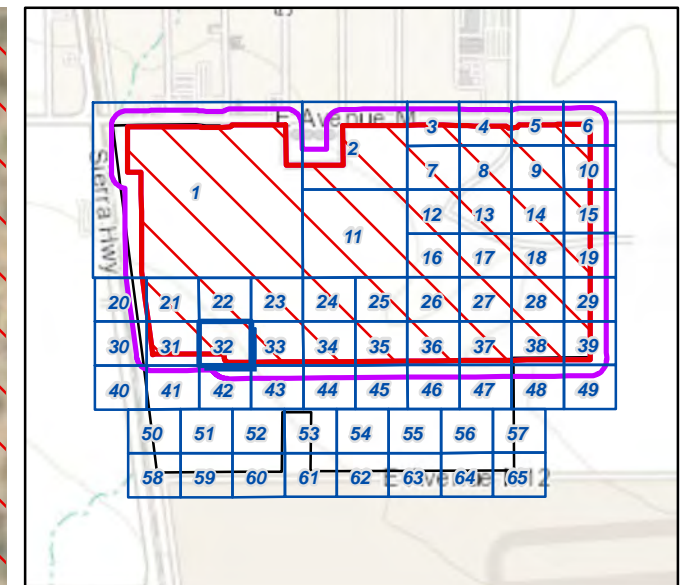
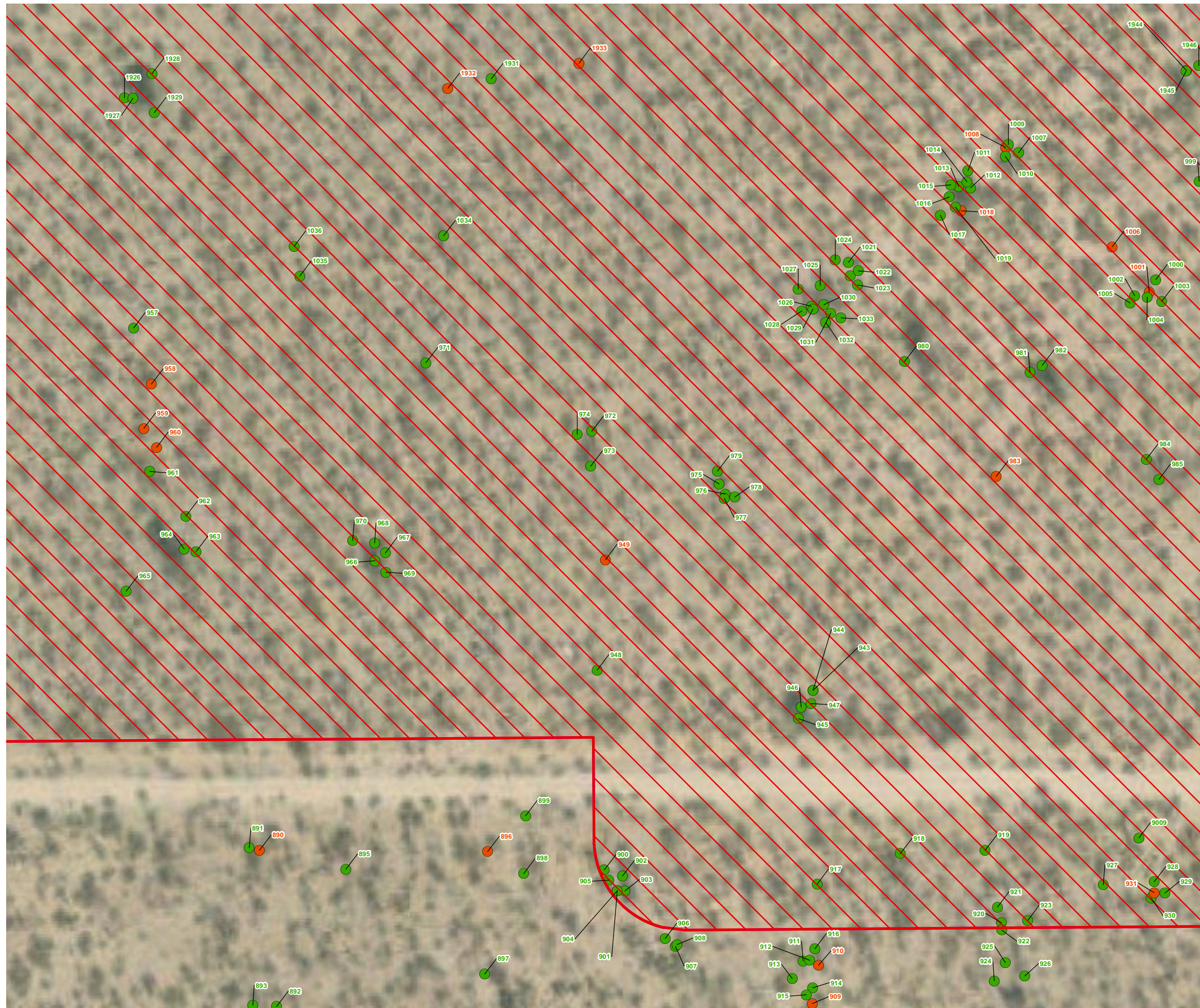
Joshua Tree Impacts Exhibit 8-31

Antelope Valley Commerce
Center Project



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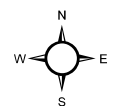


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

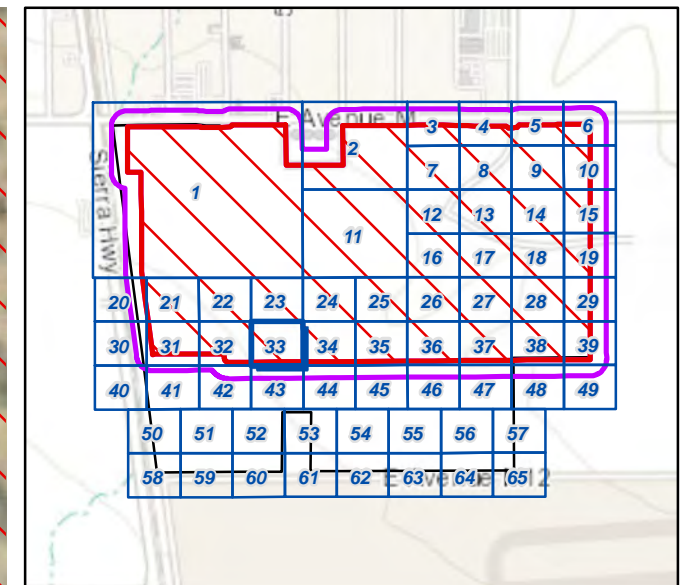
Joshua Tree Impacts Exhibit 8-32

Antelope Valley Commerce
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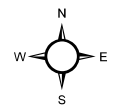


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

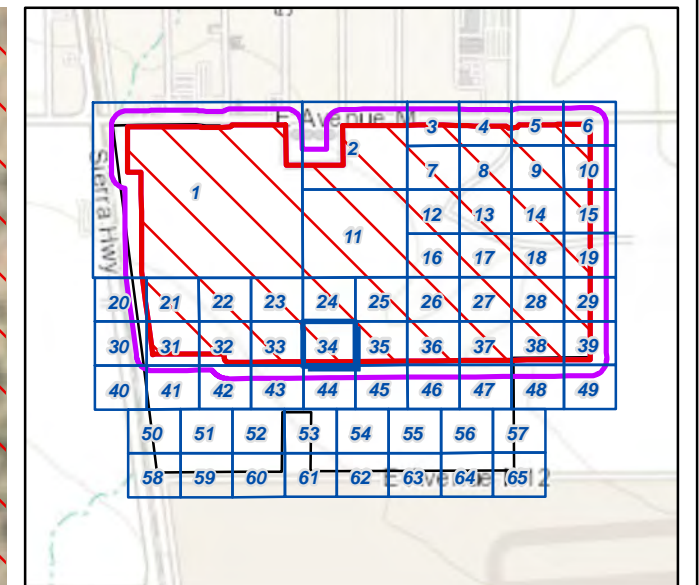
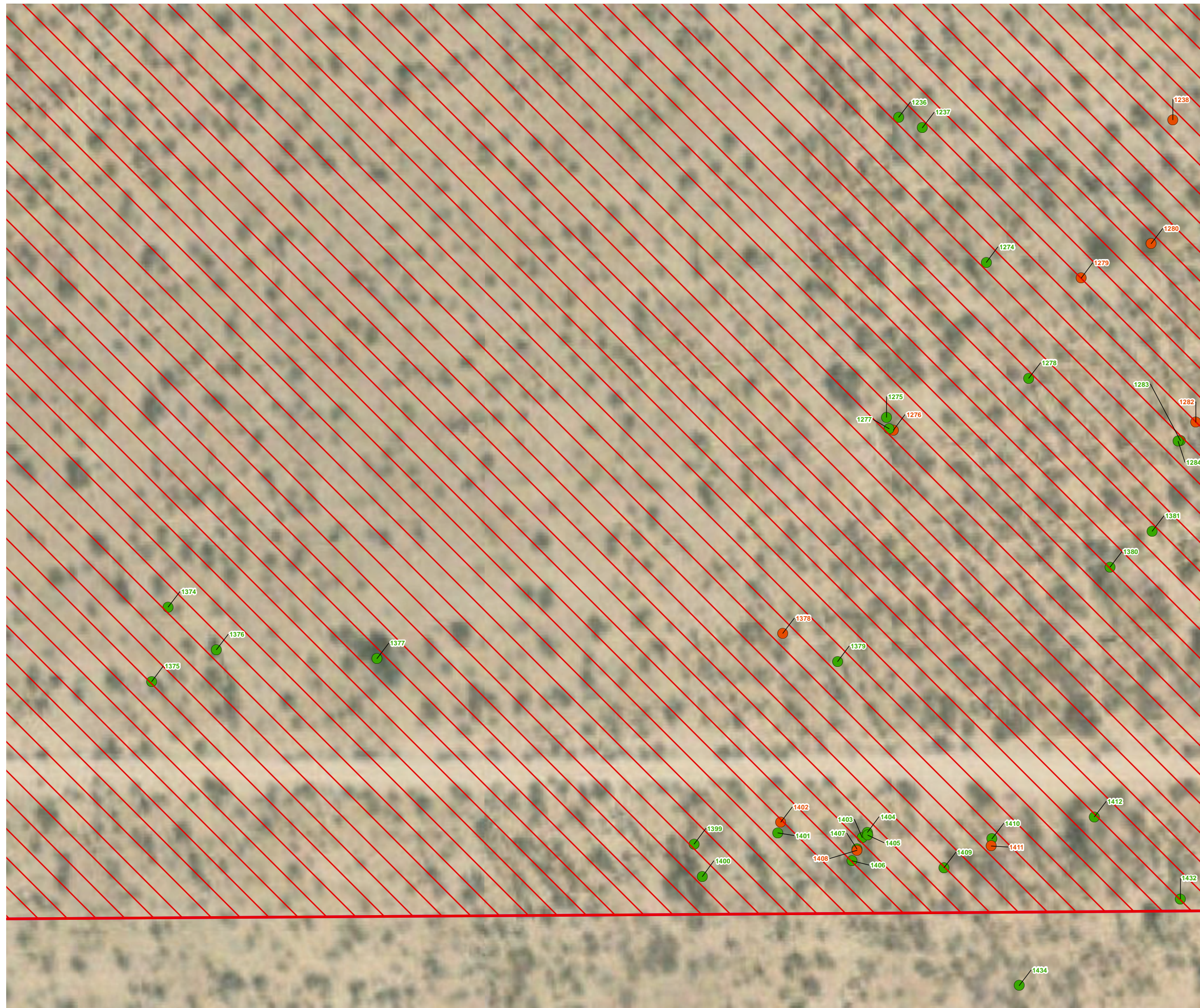
Joshua Tree Impacts Exhibit 8-33




Antelope Valley Commerce
Center Project





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D:\Projects\3TBP\010200MXD\Biotech\ex_JT_Impacts_20221118.mxd

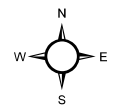


-  Project Boundary
-  Direct Impact Area
-  Joshua Tree indirect impact area

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

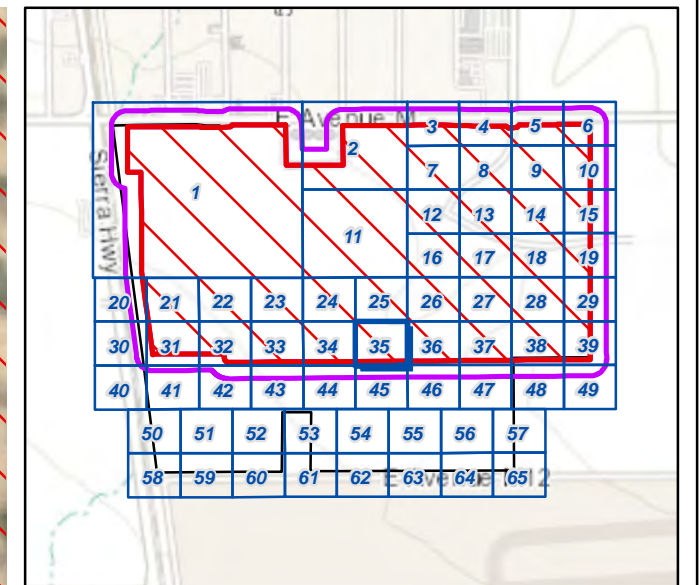
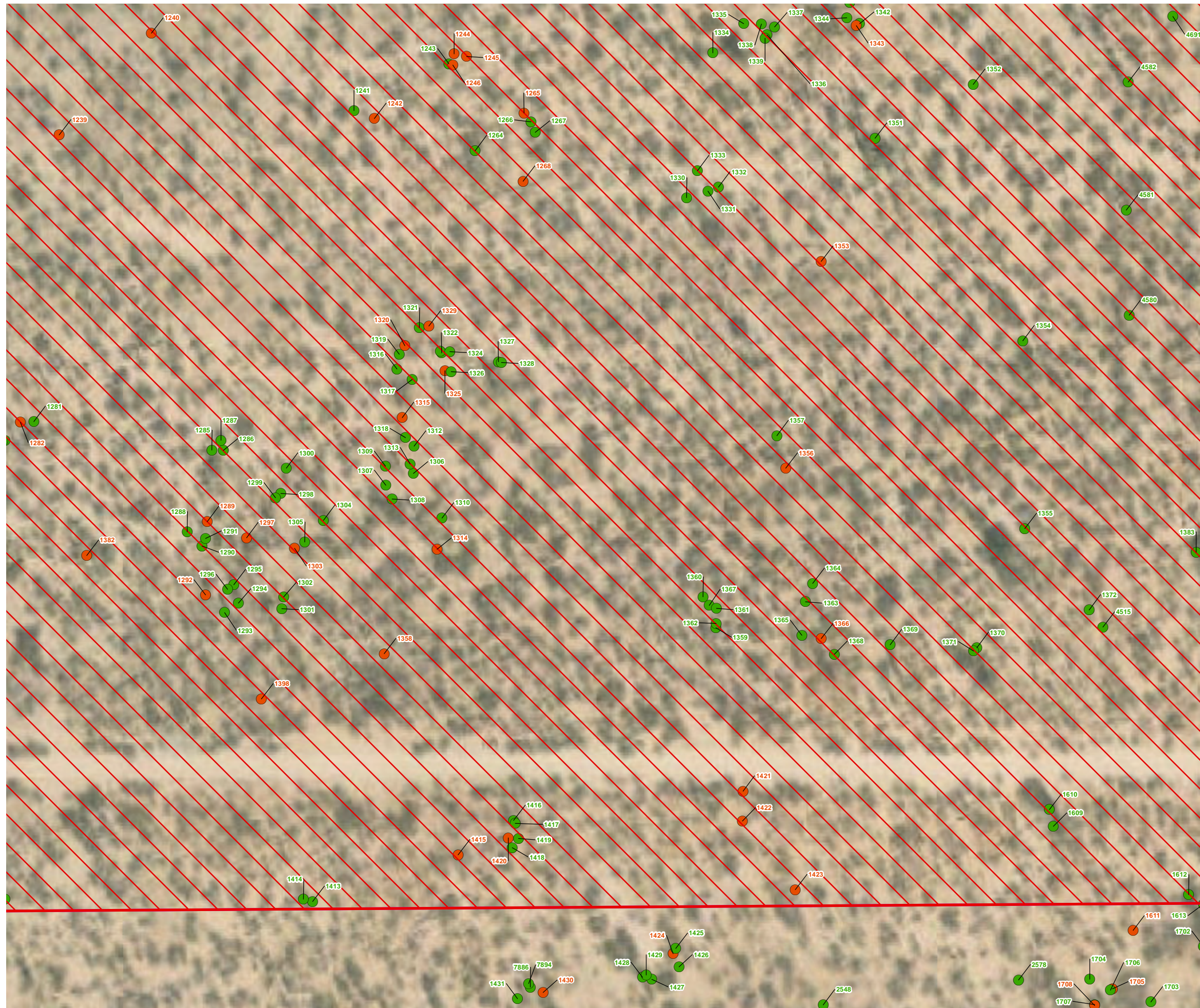
Joshua Tree Impacts Exhibit 8-34

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(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotech\ex_JT_Impacts.pdf

D:\Projects\3TBP\010200MXD\Biotech\ex_JT_Impacts_20221118.mxd

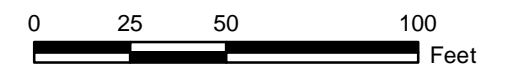
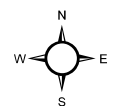


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

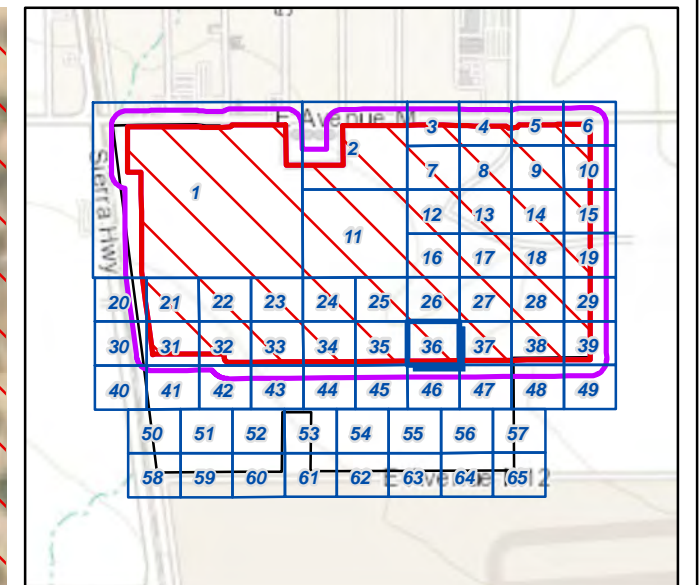
Joshua Tree Impacts Exhibit 8-35

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(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotech\ex_JT_Impacts.pdf

D:\Projects\3TBP\010200MXD\Biotechex_JT_Impacts_20221118.mxd

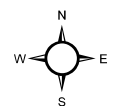


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

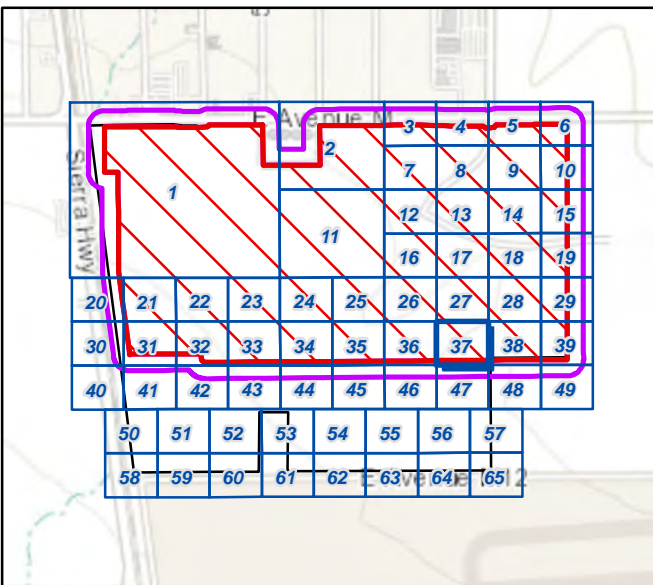
Joshua Tree Impacts Exhibit 8-36

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(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotechex_JT_Impacts.pdf

D:\Projects\3TBP\010200MXD\Biotech\ex_JT_Impacts_20221118.mxd

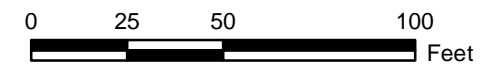
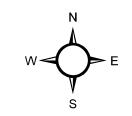


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

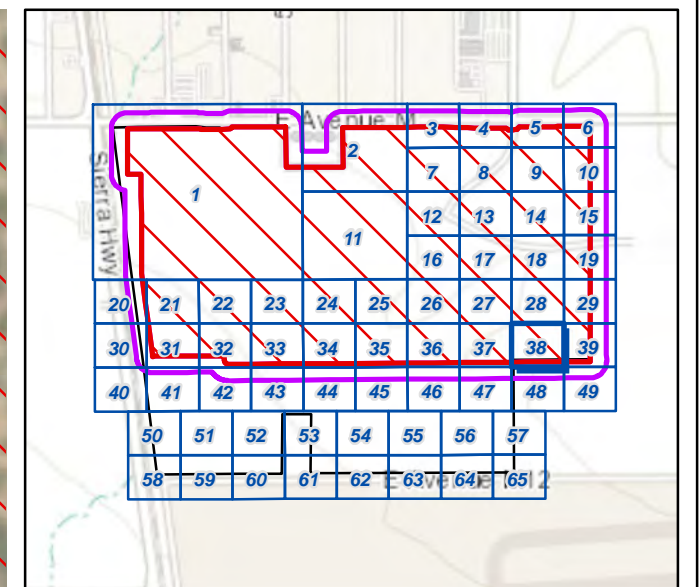
Joshua Tree Impacts Exhibit 8-37

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(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotech\ex_JT_Impacts.pdf

D:\Projects\3TBP\010200MXD\Biotech\ex_JT_Impacts_20221118.mxd

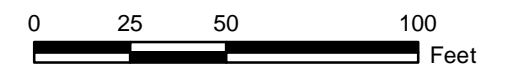
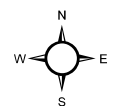


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

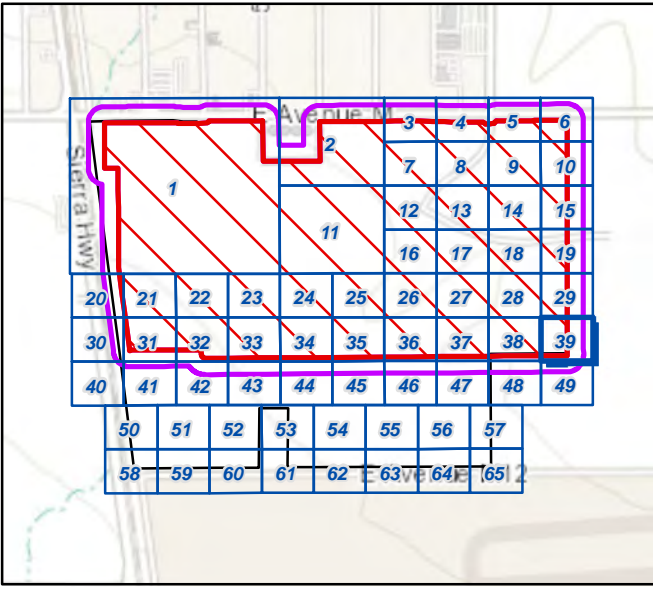
Joshua Tree Impacts Exhibit 8-38

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(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotech\ex_JT_Impacts.pdf

D:\Projects\3TBP\010200MXD\Biotech\ex_JT_Impacts_20221118.mxd

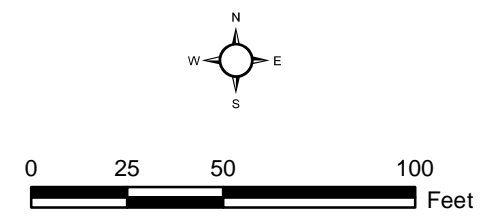


- Project Boundary
- Direct Impact Area
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



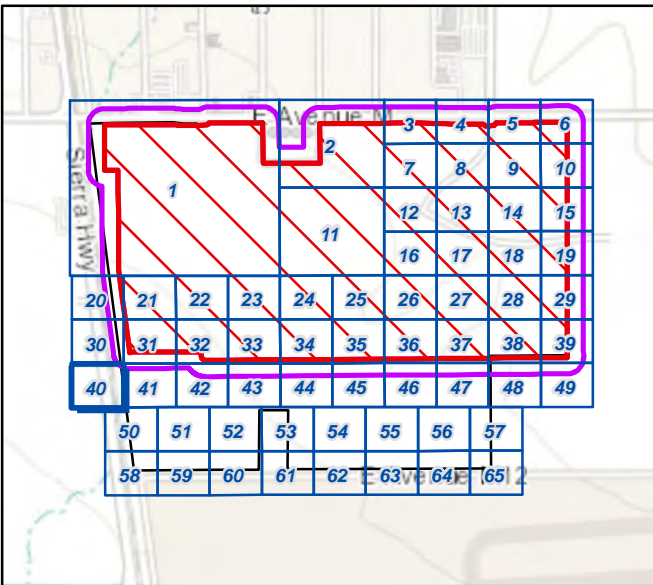
Aerial Source: Esri, Maxar 2021



Joshua Tree Impacts Exhibit 8-39

Antelope Valley Commerce Center Project

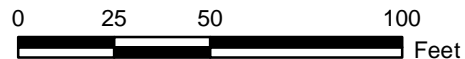
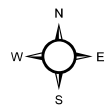


(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotech\ex_JT_Impacts.pdf



-  Project Boundary
-  Joshua Tree indirect impact area

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



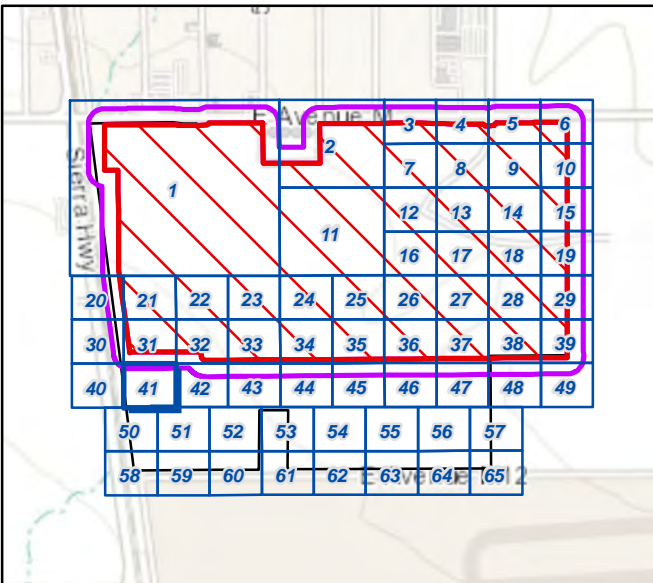
Aerial Source: Esri, Maxar 2021



Joshua Tree Impacts Exhibit 8-40

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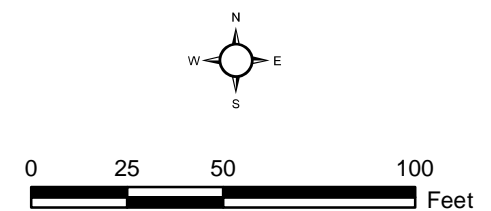


-  Project Boundary
-  Joshua Tree indirect impact area

Joshua Tree Survey Results

-  western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



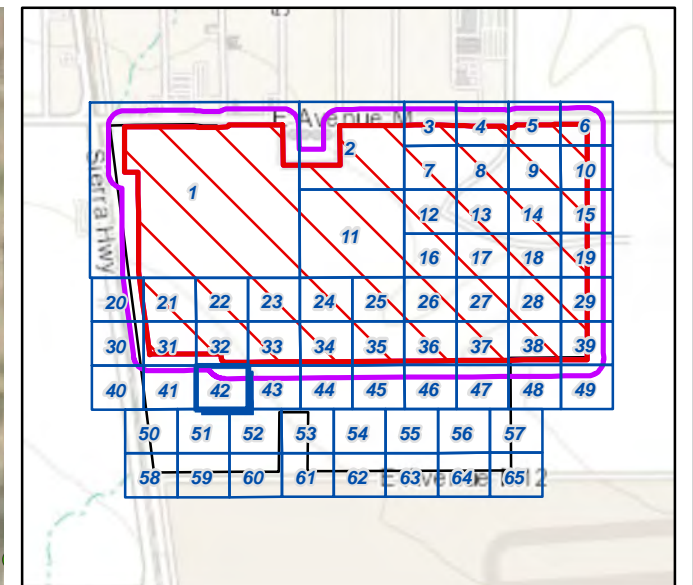
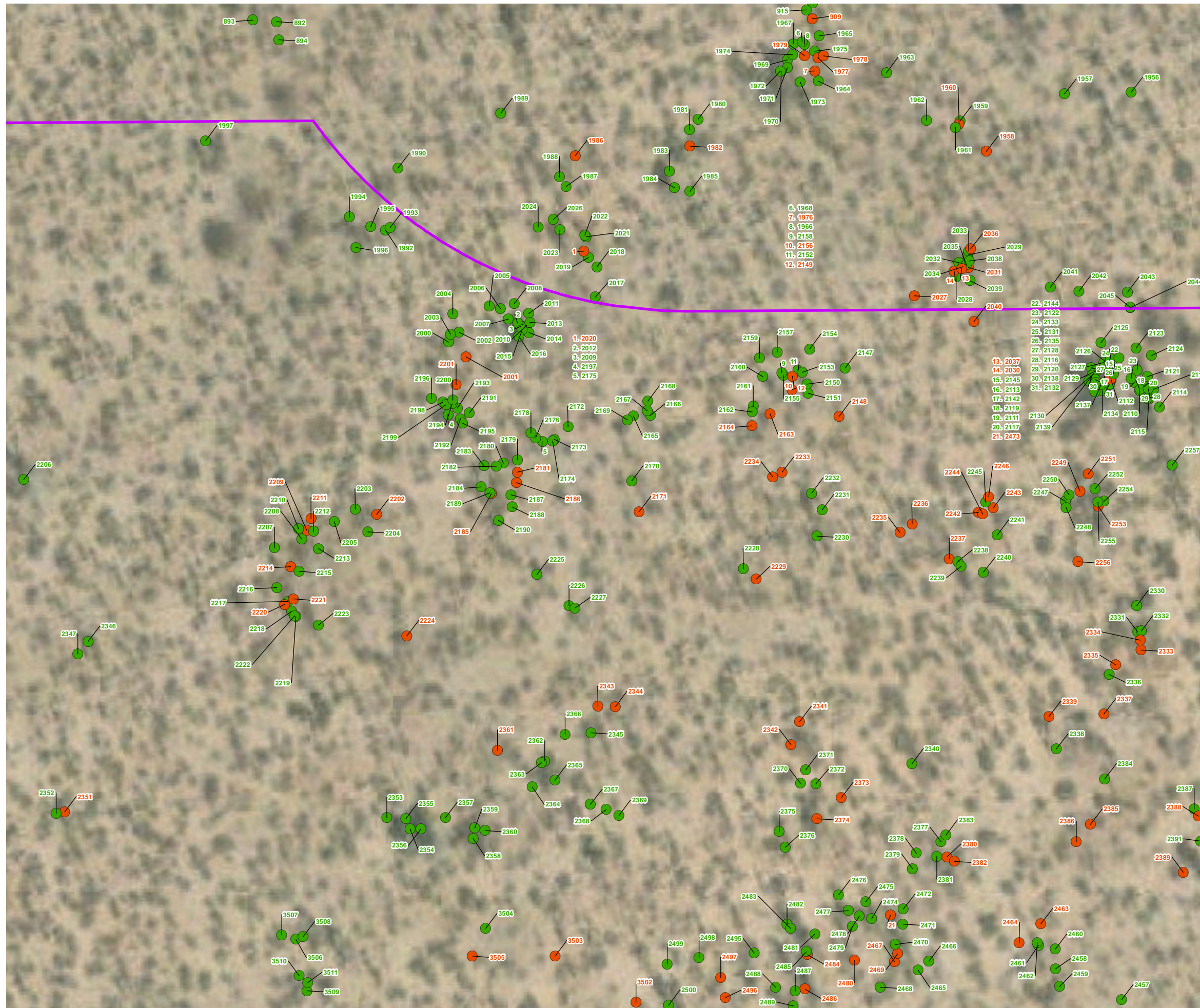
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-41

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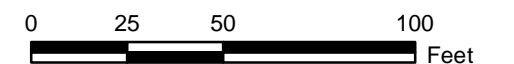
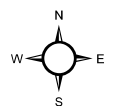


- Project Boundary
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

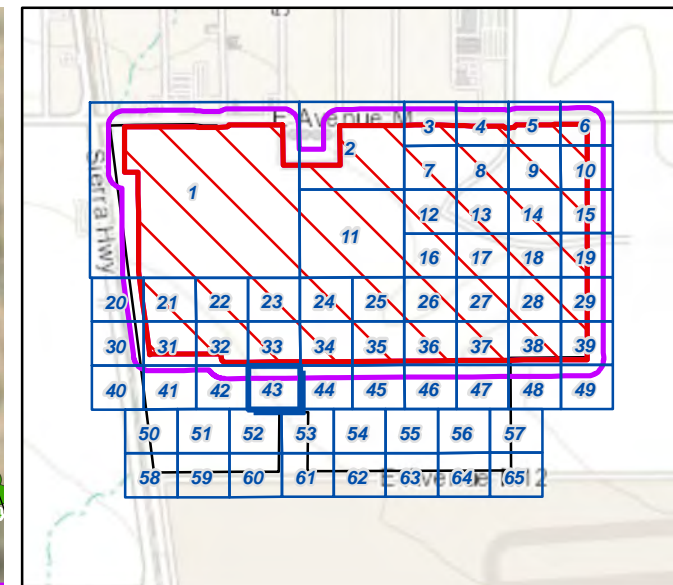
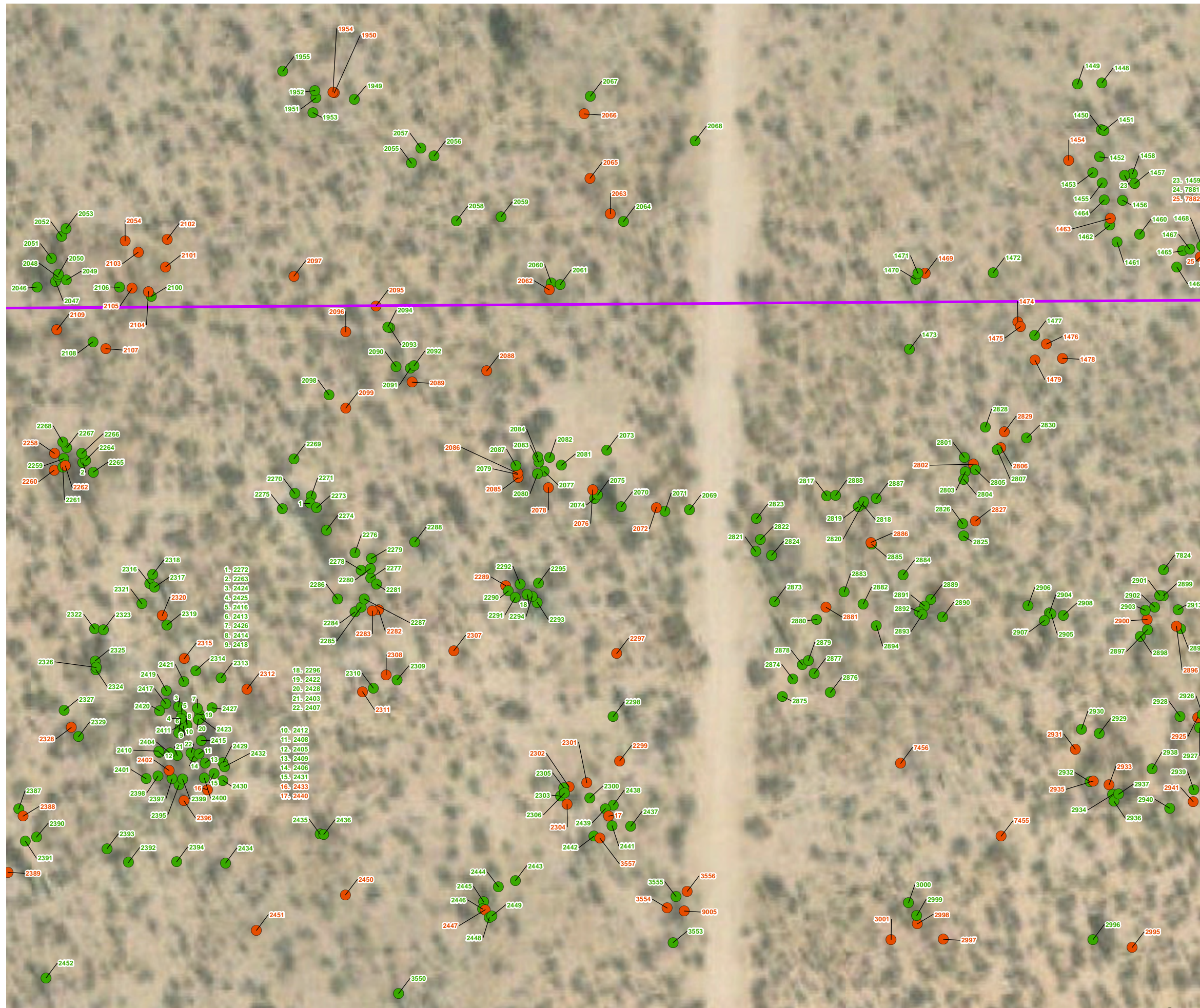
Joshua Tree Impacts Exhibit 8-42

Antelope Valley Commerce
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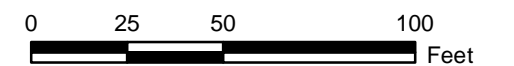
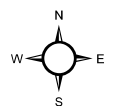


- Project Boundary
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

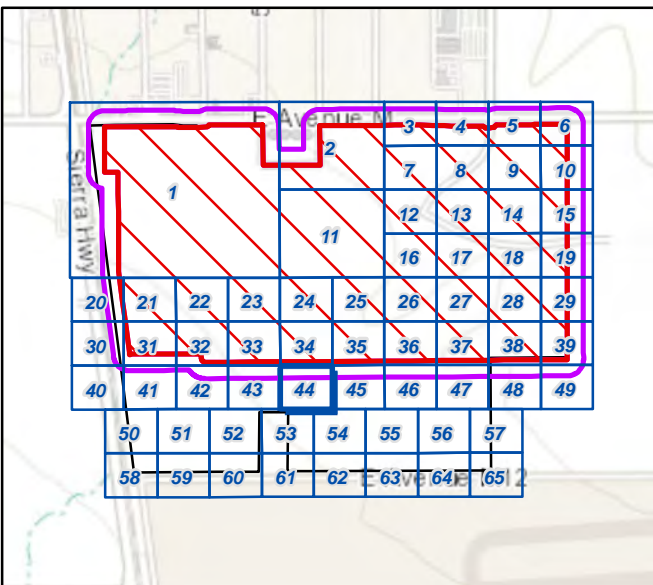
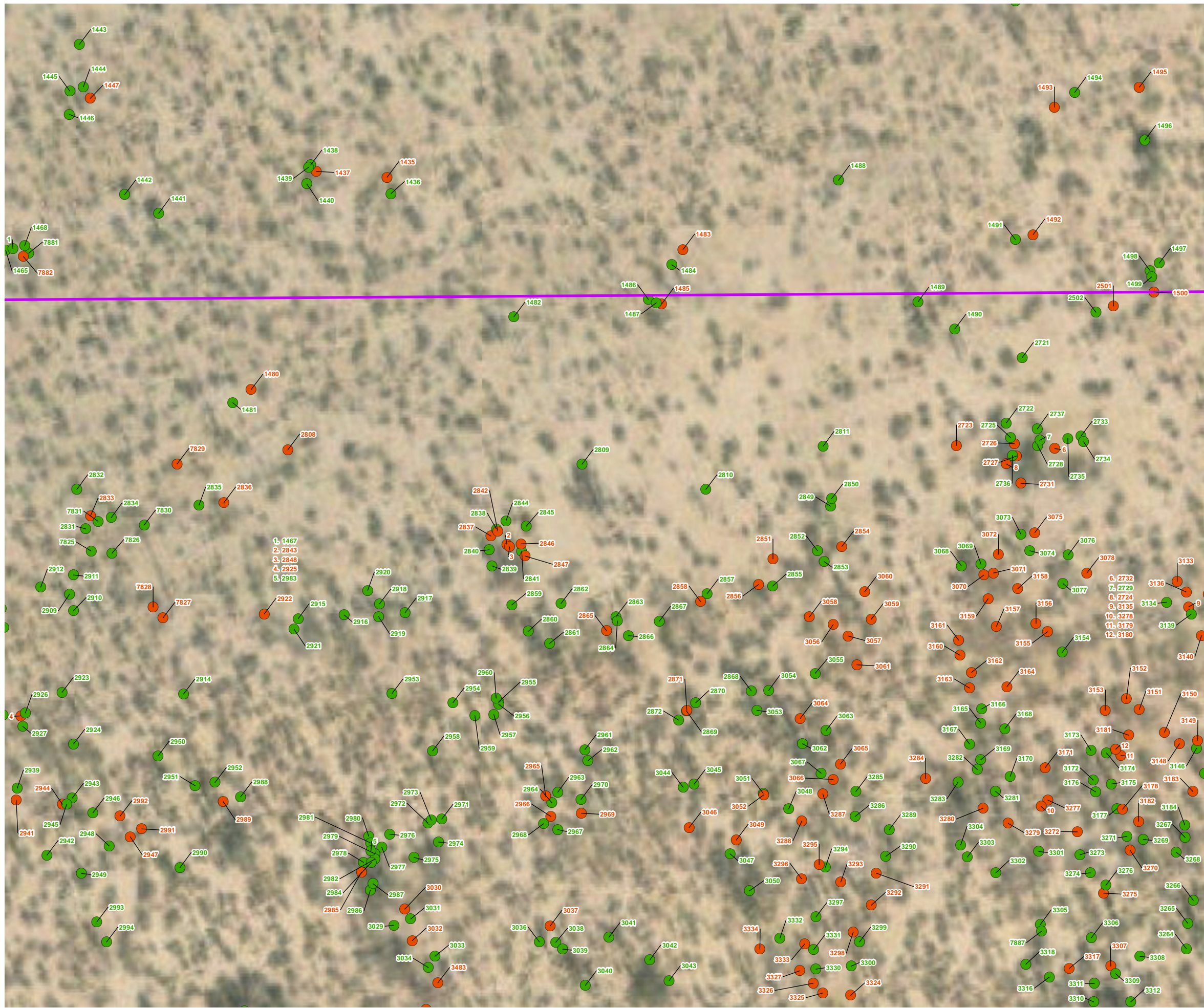
Joshua Tree Impacts Exhibit 8-43



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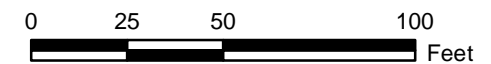
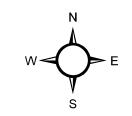


-  Project Boundary
-  Joshua Tree indirect impact area

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

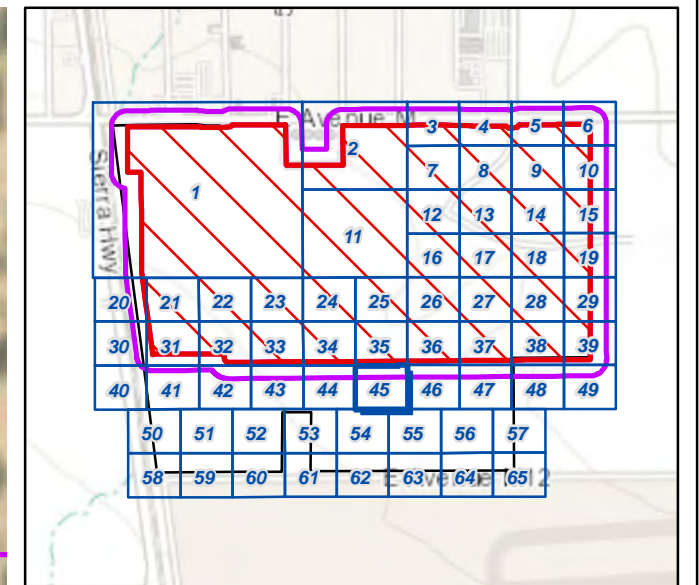
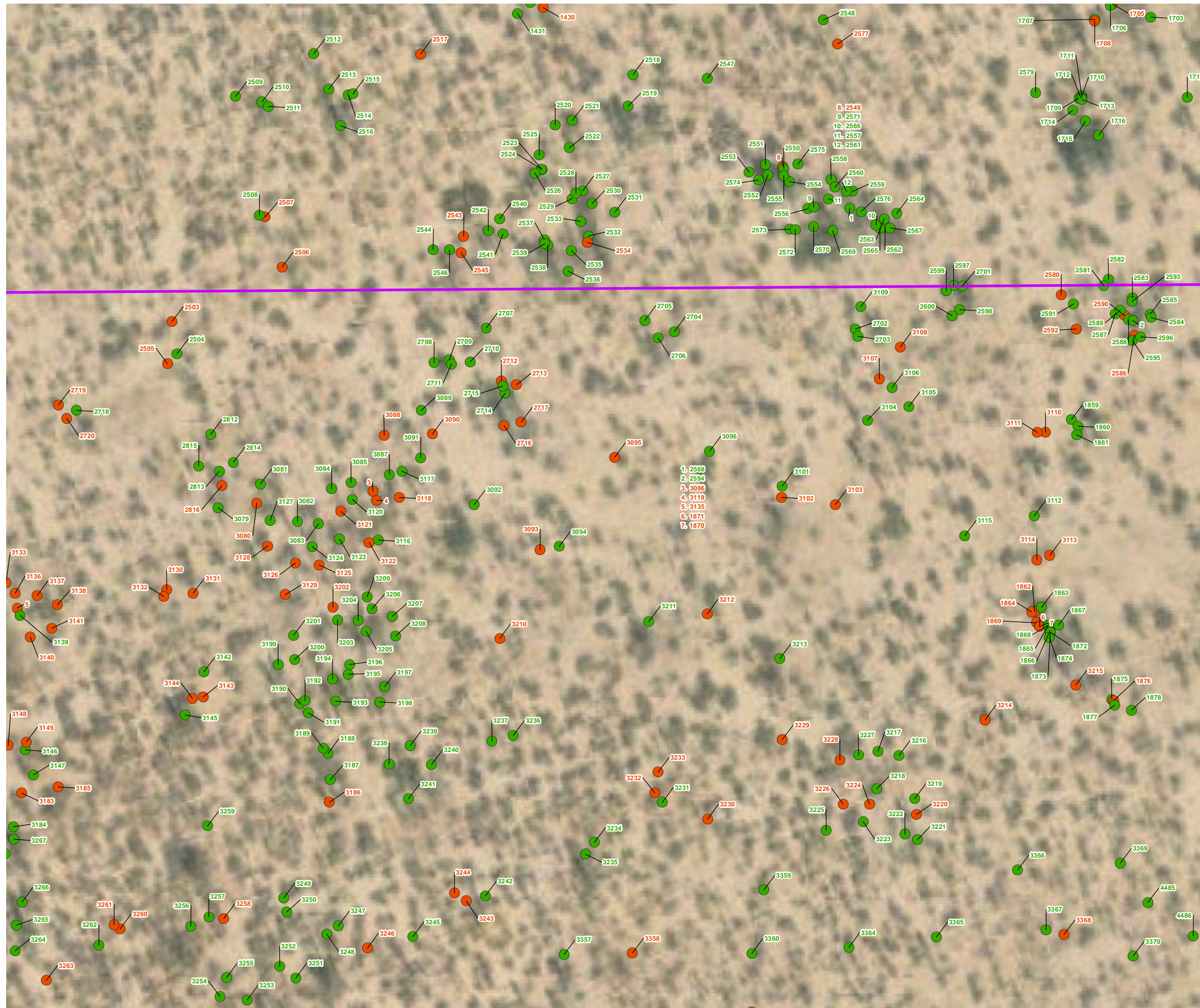
Joshua Tree Impacts Exhibit 8-44

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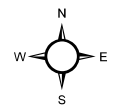


- Project Boundary
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

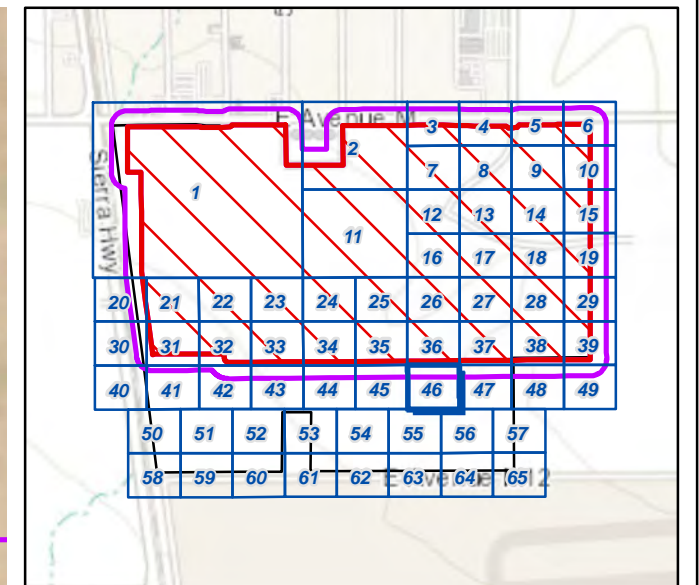
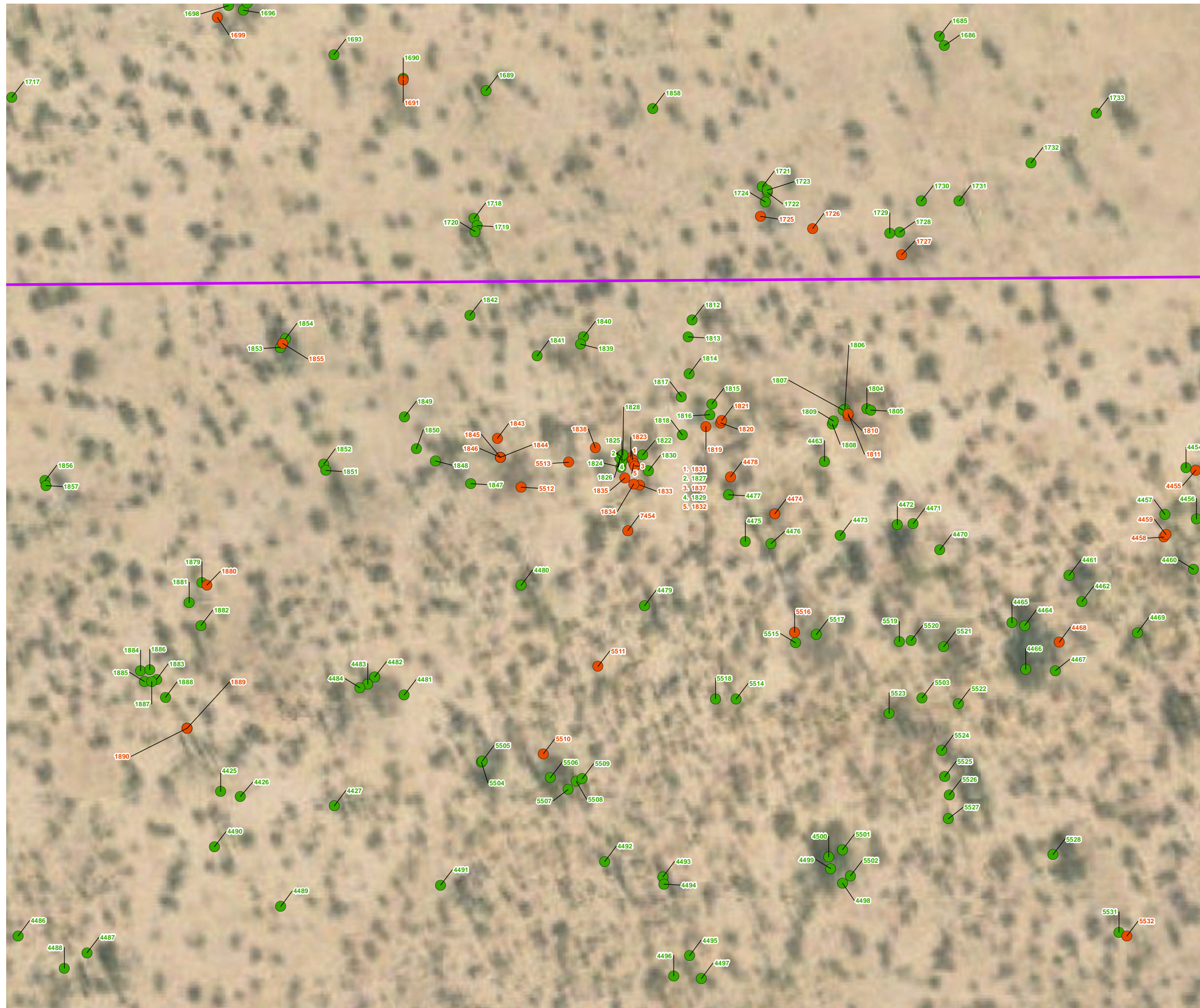
Joshua Tree Impacts Exhibit 8-45

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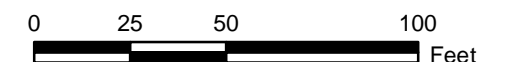
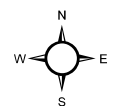


- Project Boundary
- Joshua Tree indirect impact area

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

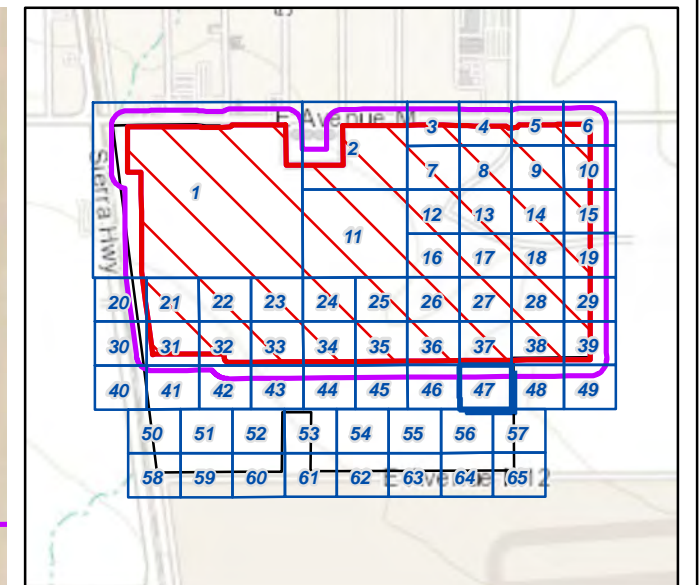
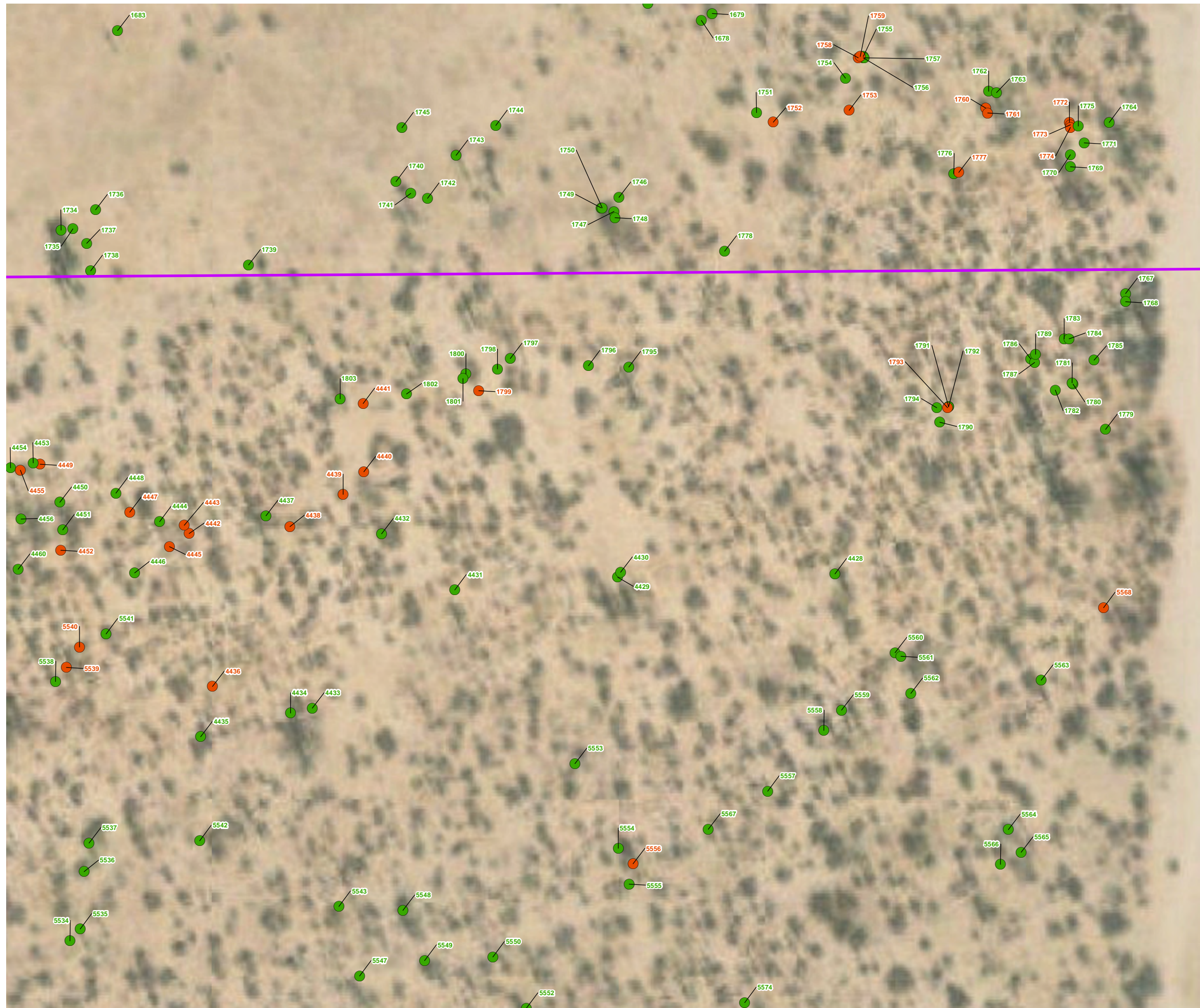
Joshua Tree Impacts Exhibit 8-46



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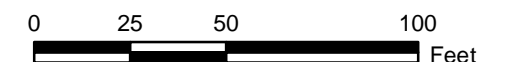
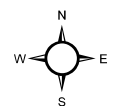


-  Project Boundary
-  Joshua Tree indirect impact area

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



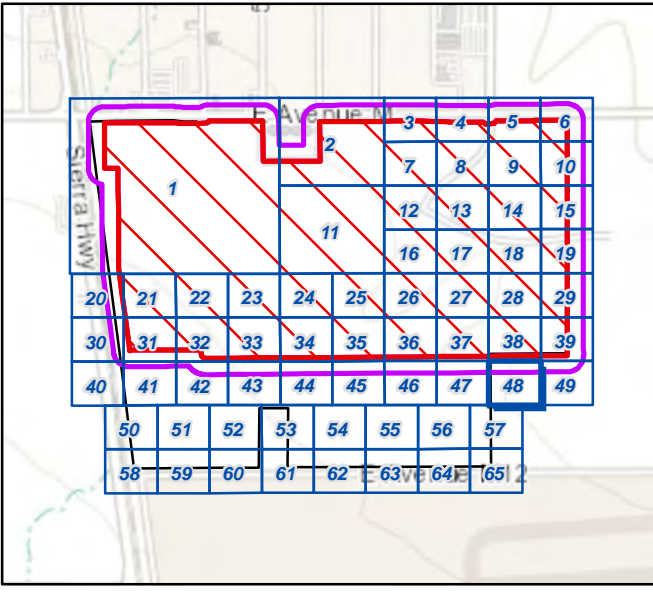
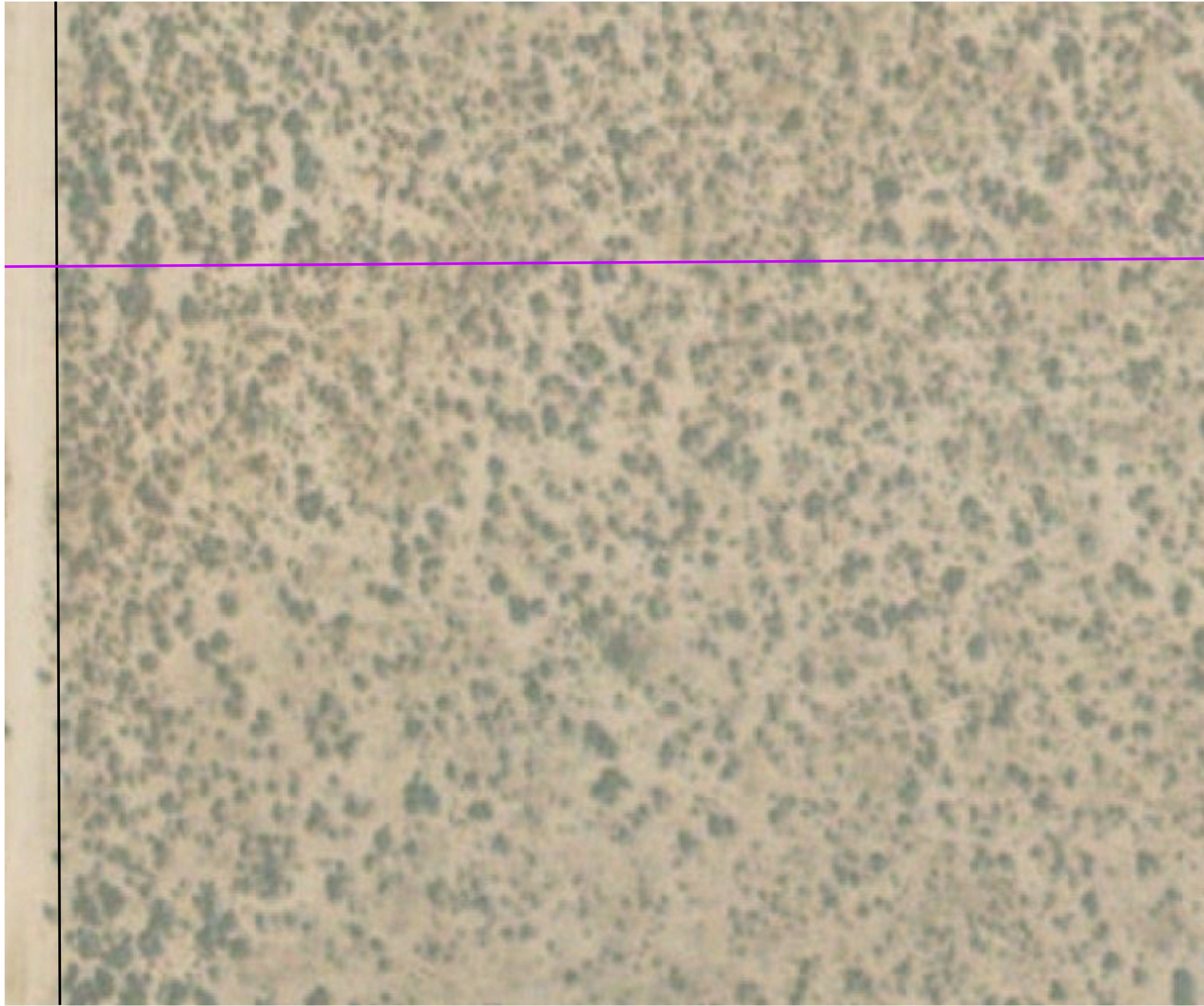
Aerial Source: Esri, Maxar 2021



Joshua Tree Impacts Exhibit 8-47

Antelope Valley Commerce
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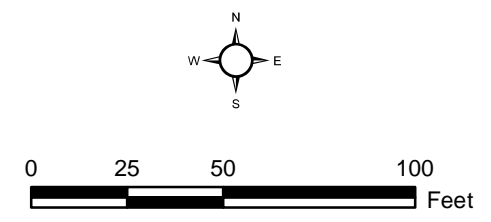


(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotech\ex_JT_Impacts.pdf



-  Project Boundary
-  Joshua Tree indirect impact area

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.

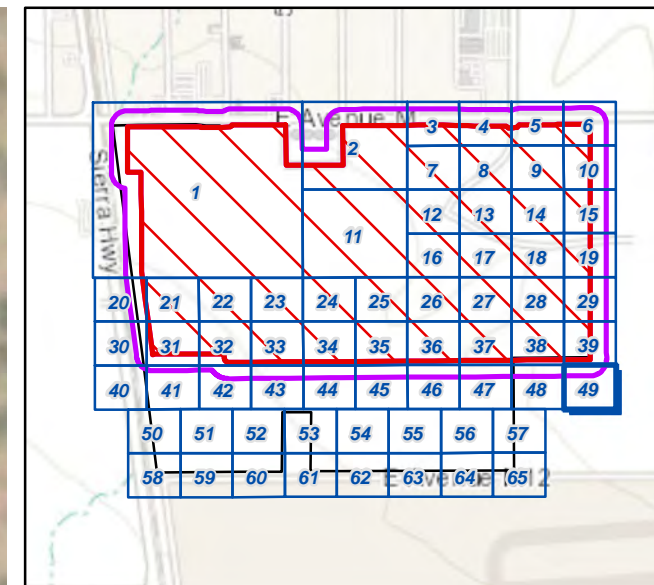
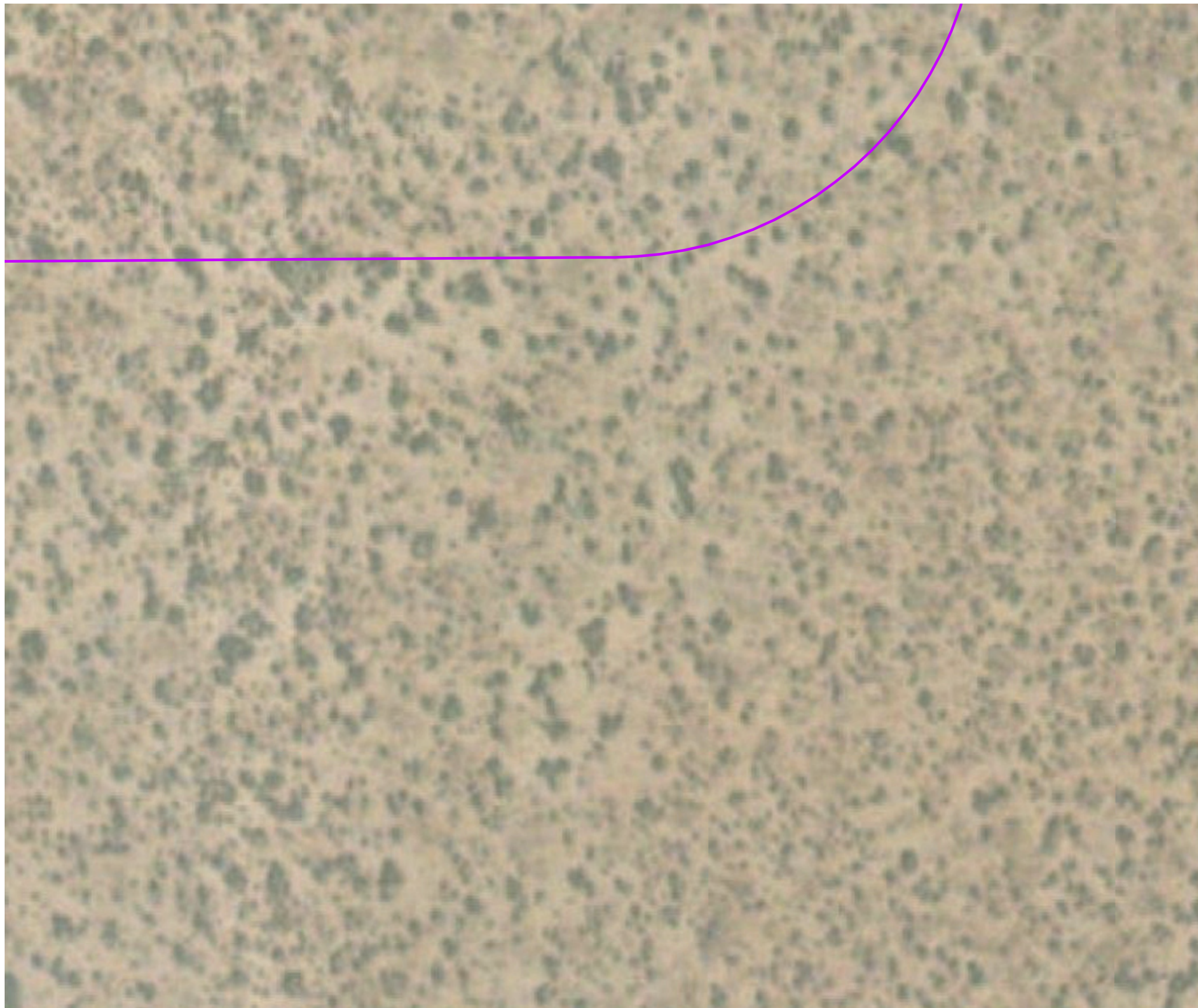



Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-48

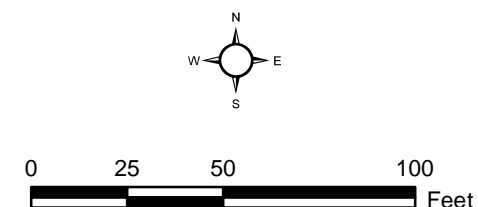
Antelope Valley Commerce
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 Joshua Tree indirect impact area

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



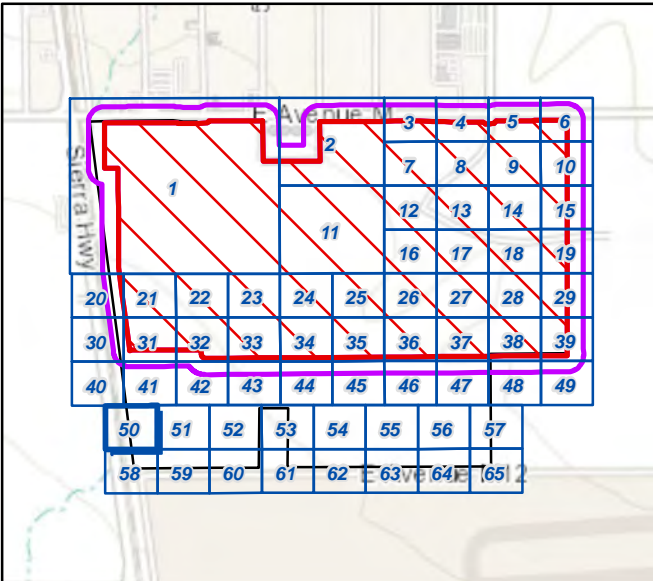
Aerial Source: Esri, Maxar 2021


Joshua Tree Impacts Exhibit 8-49

Antelope Valley Commerce
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(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotech\ex_JT_Impacts.pdf

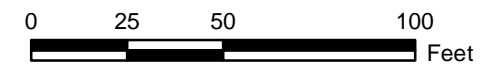
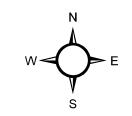


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.

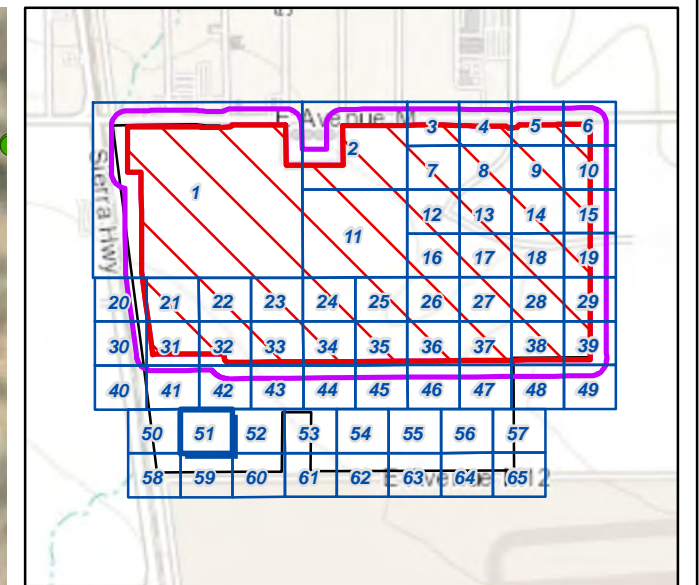
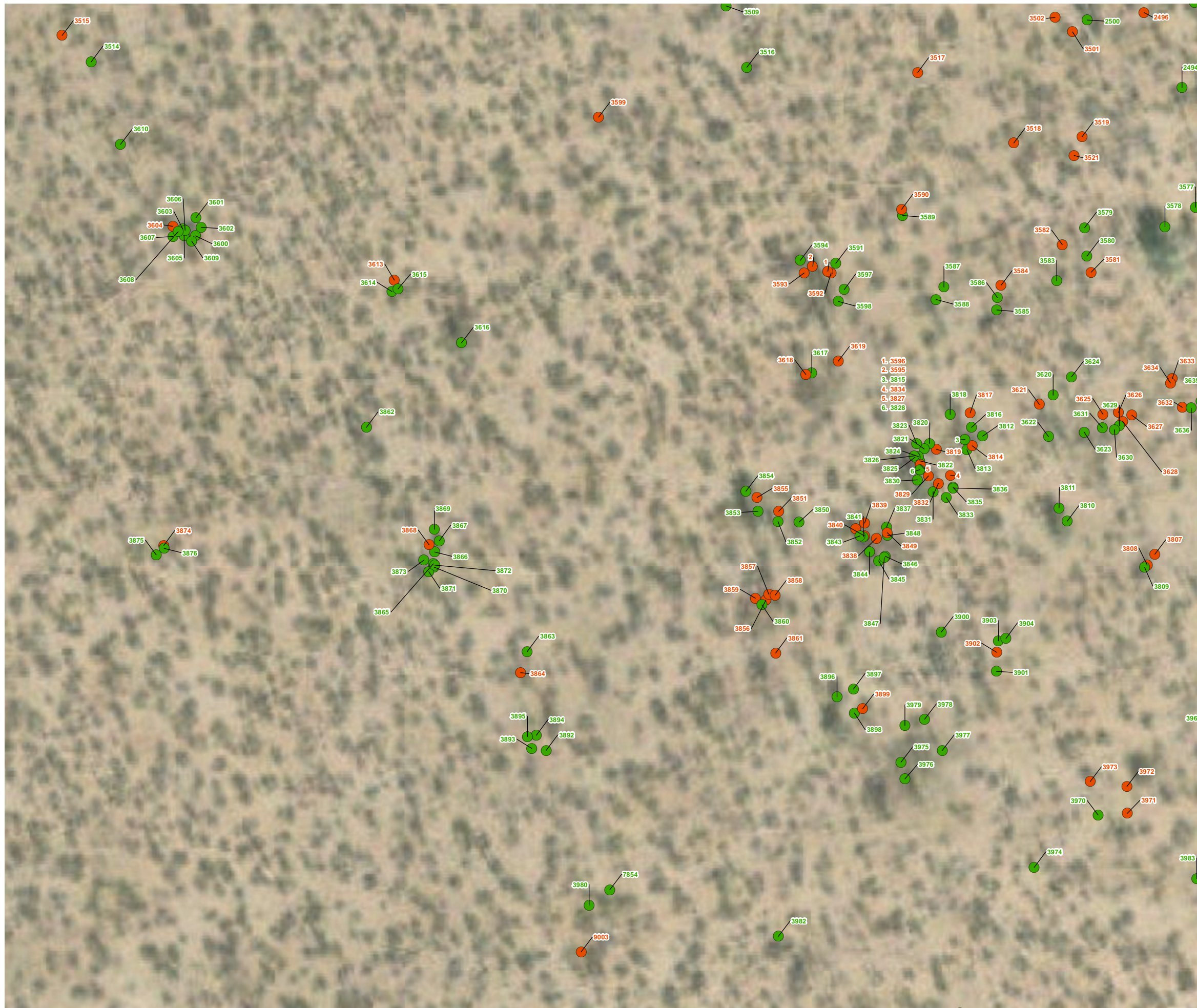


Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-50



Antelope Valley Commerce
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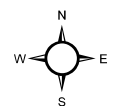


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

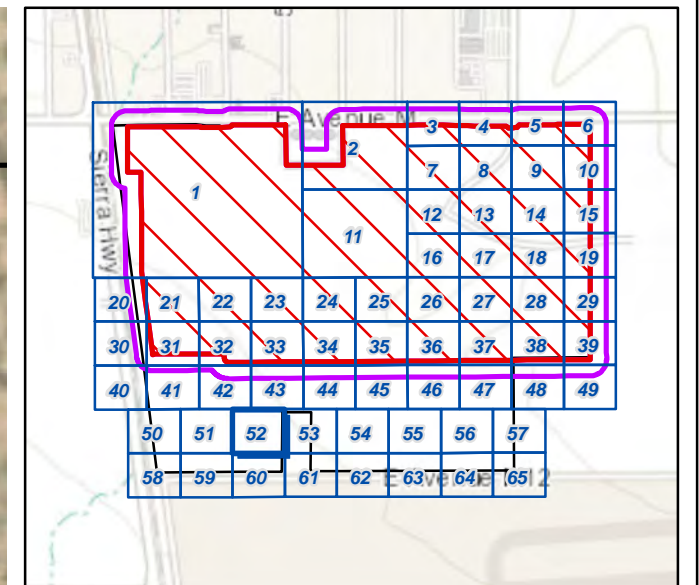
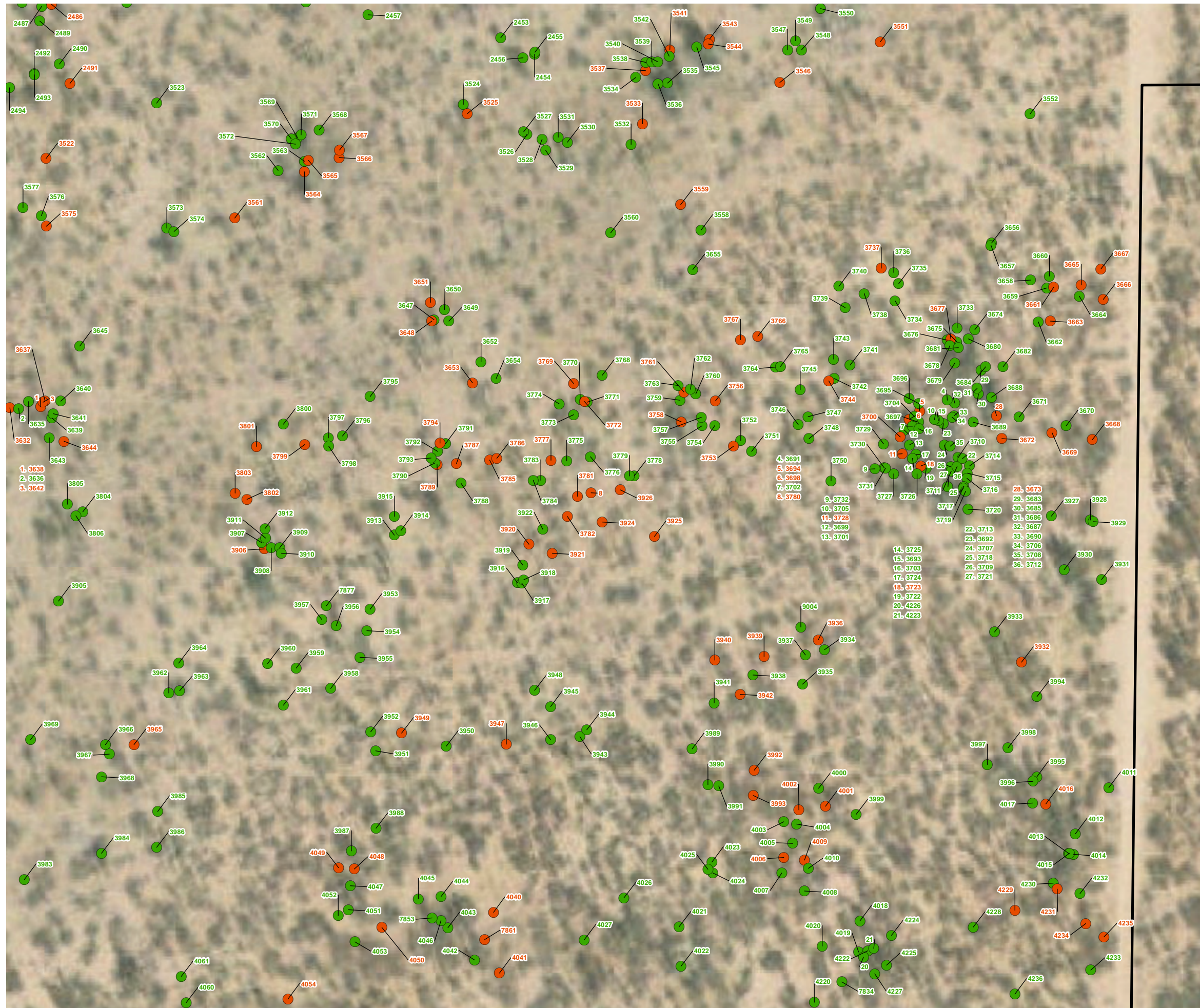
Joshua Tree Impacts Exhibit 8-51

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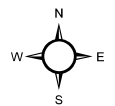


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

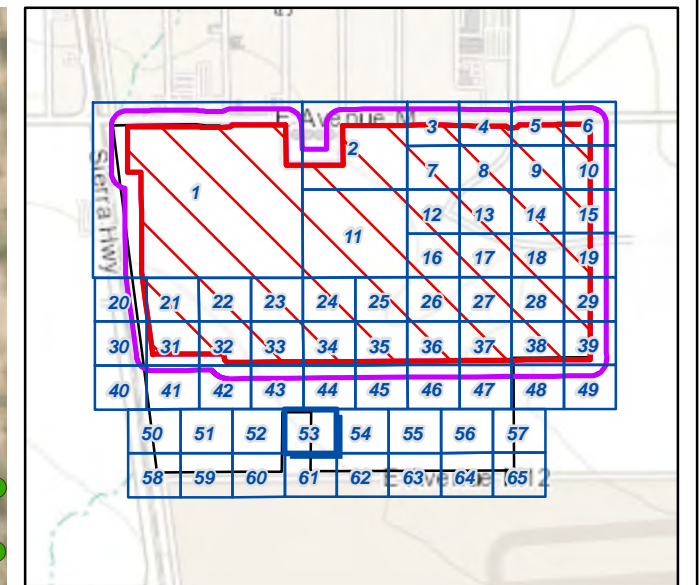
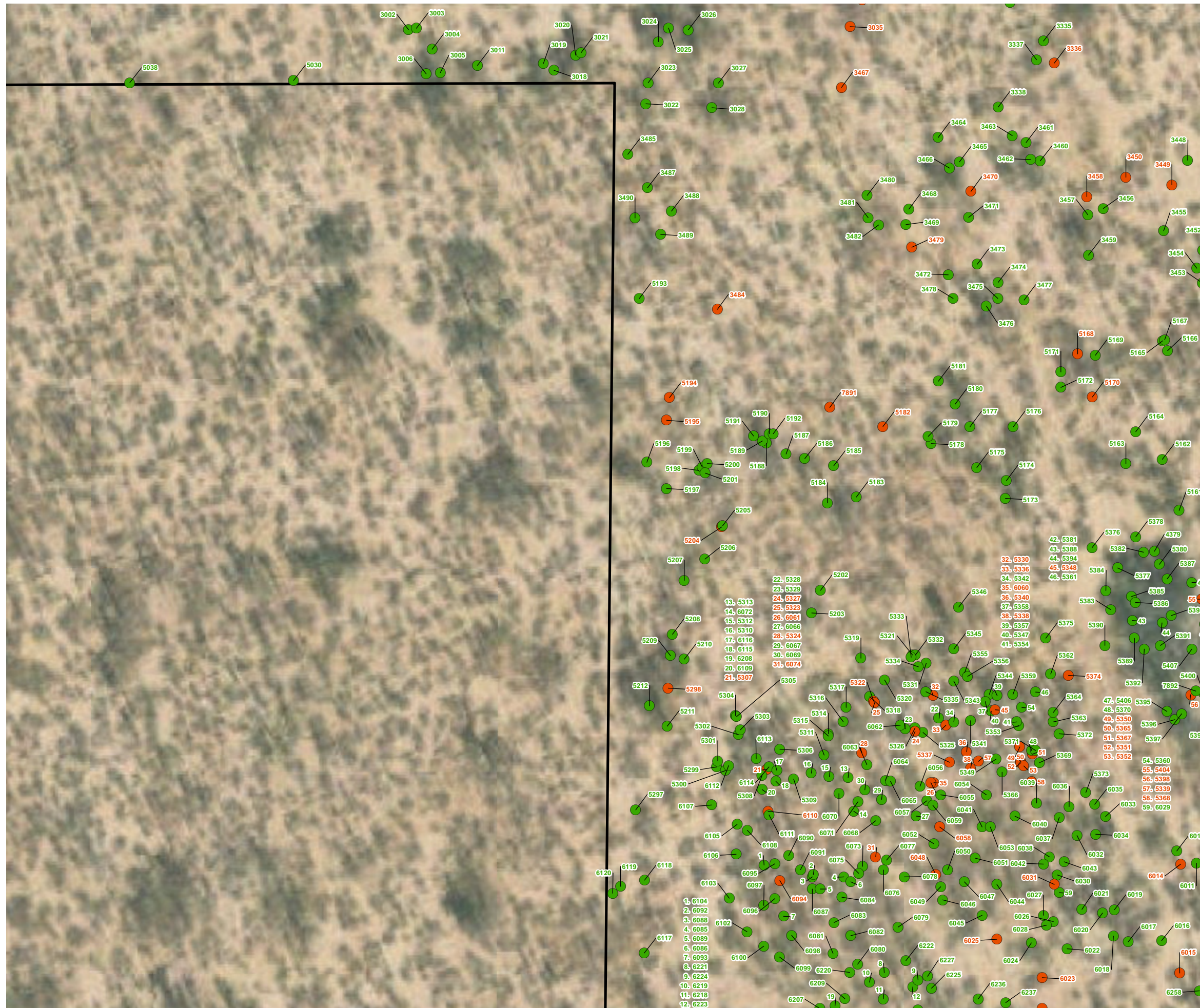
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-52

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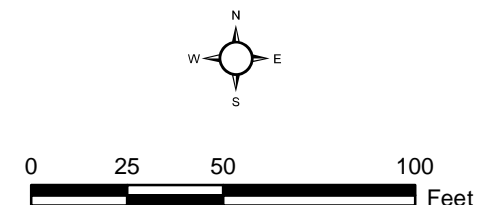


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- Project Boundary
- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

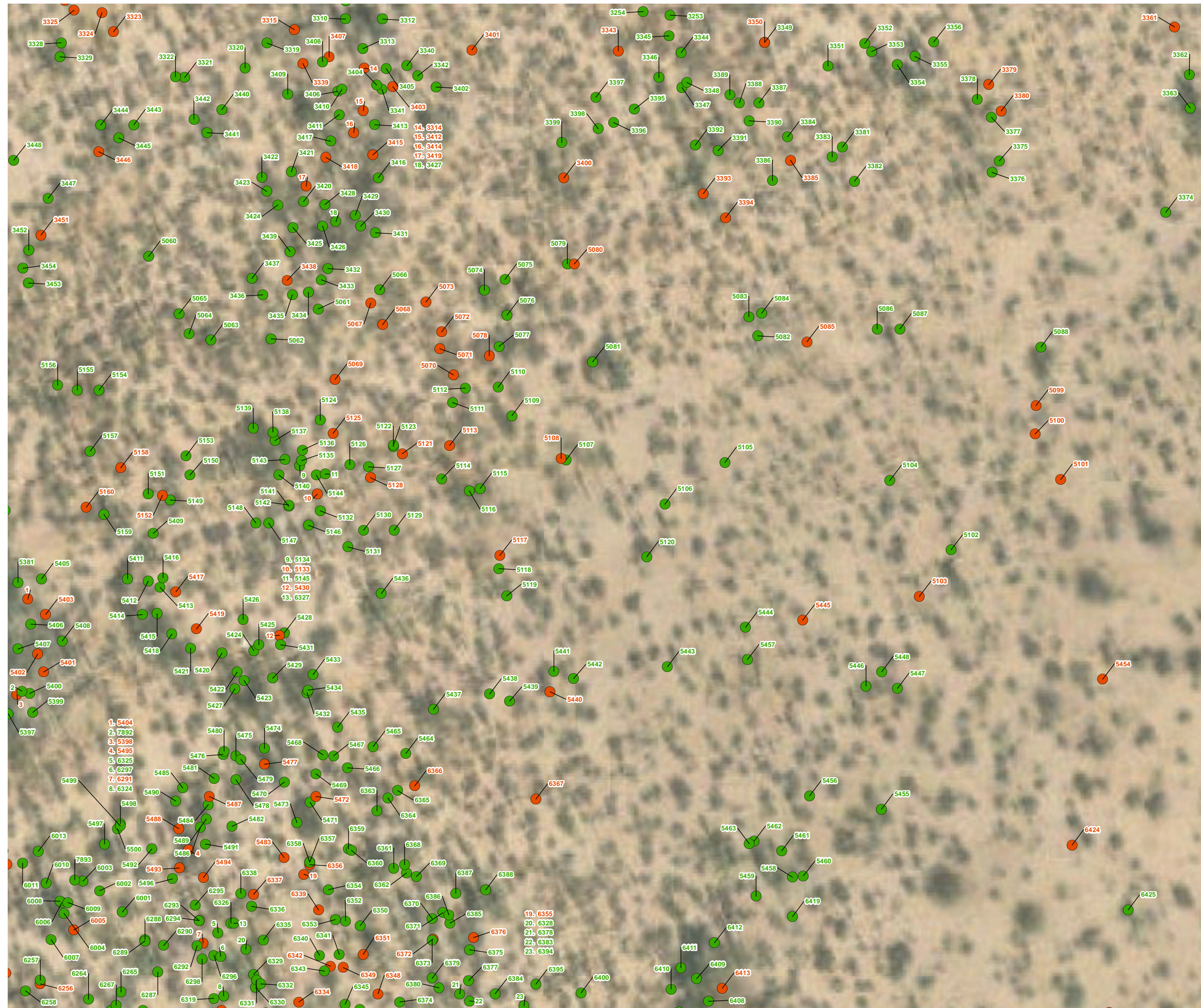
Joshua Tree Impacts Exhibit 8-53

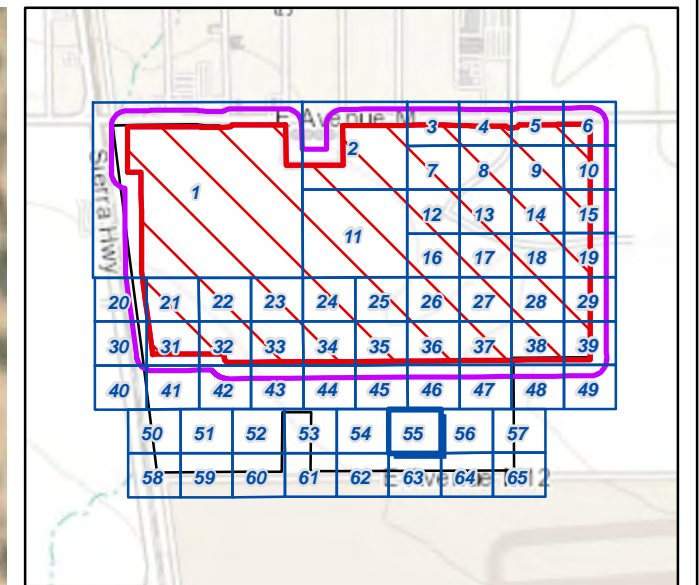
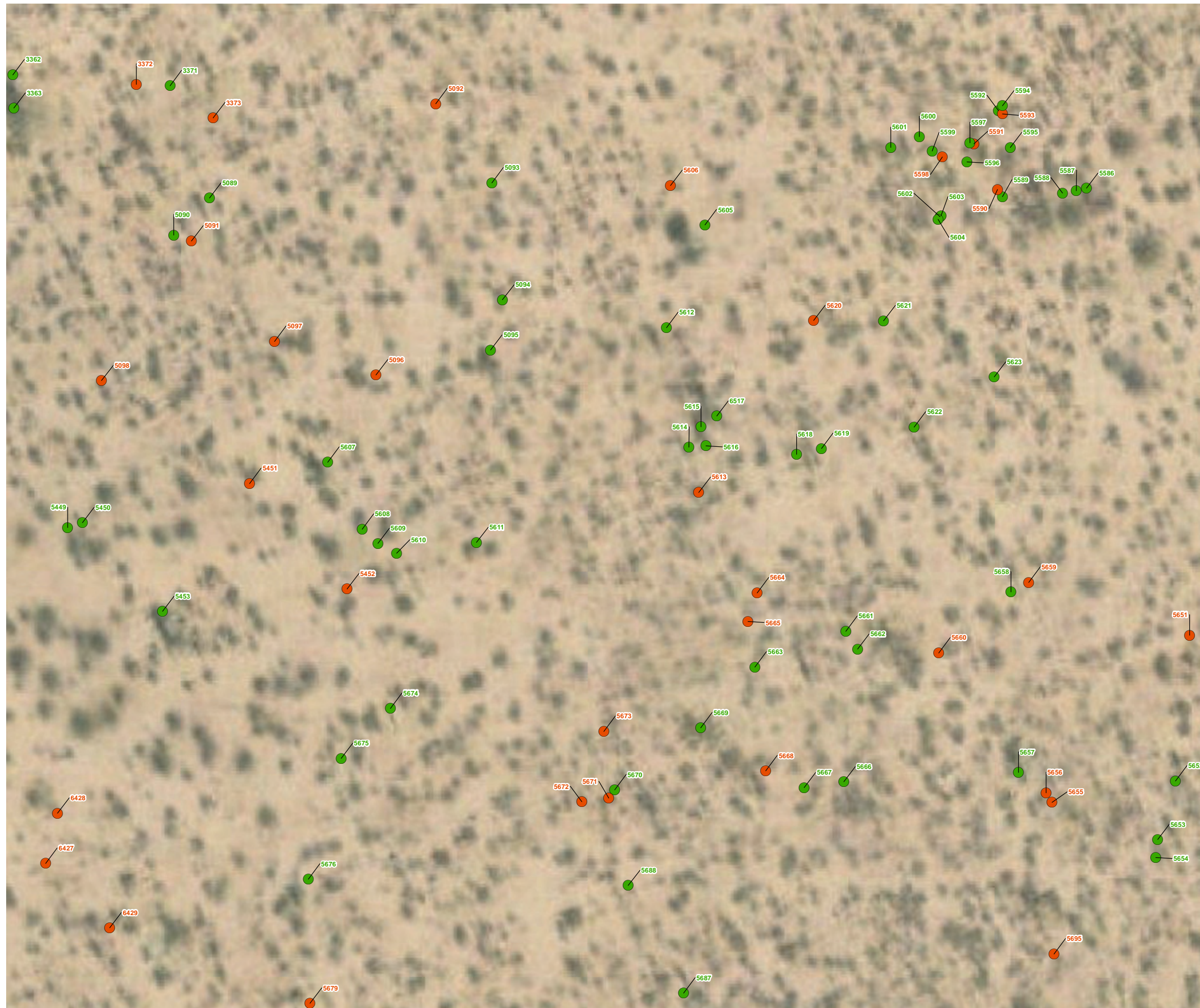
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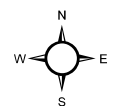


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

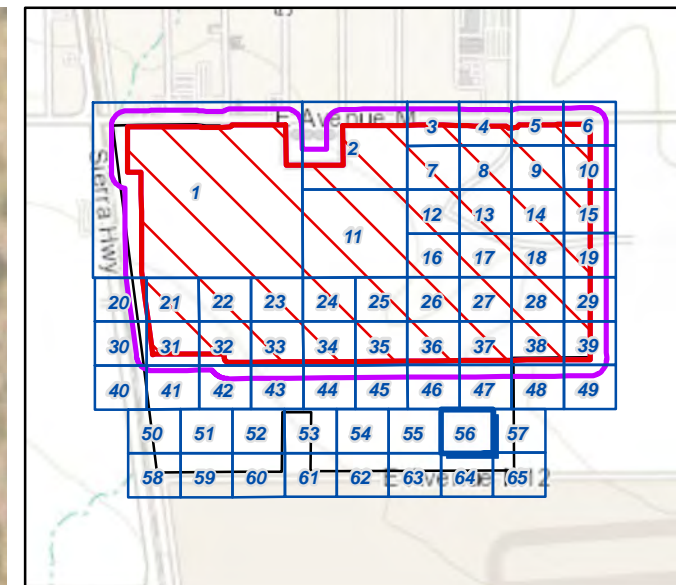
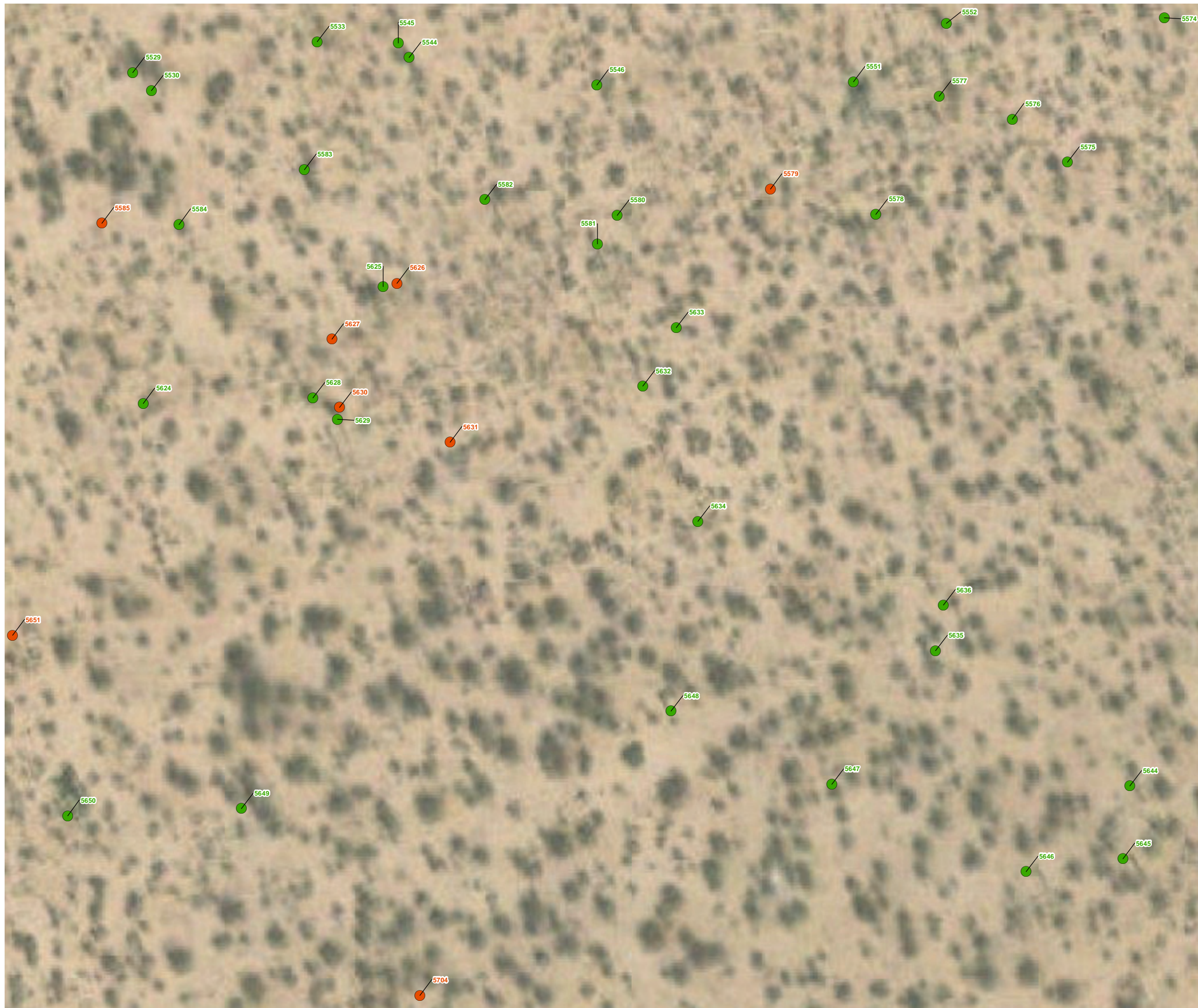
Joshua Tree Impacts Exhibit 8-55

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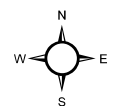


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

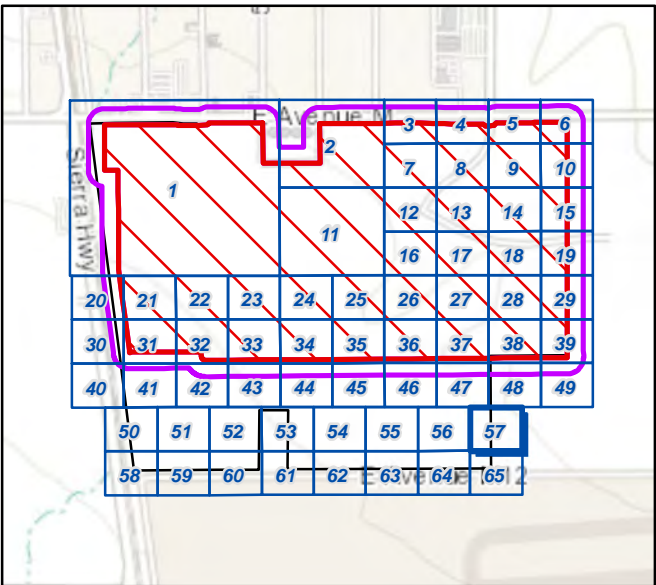
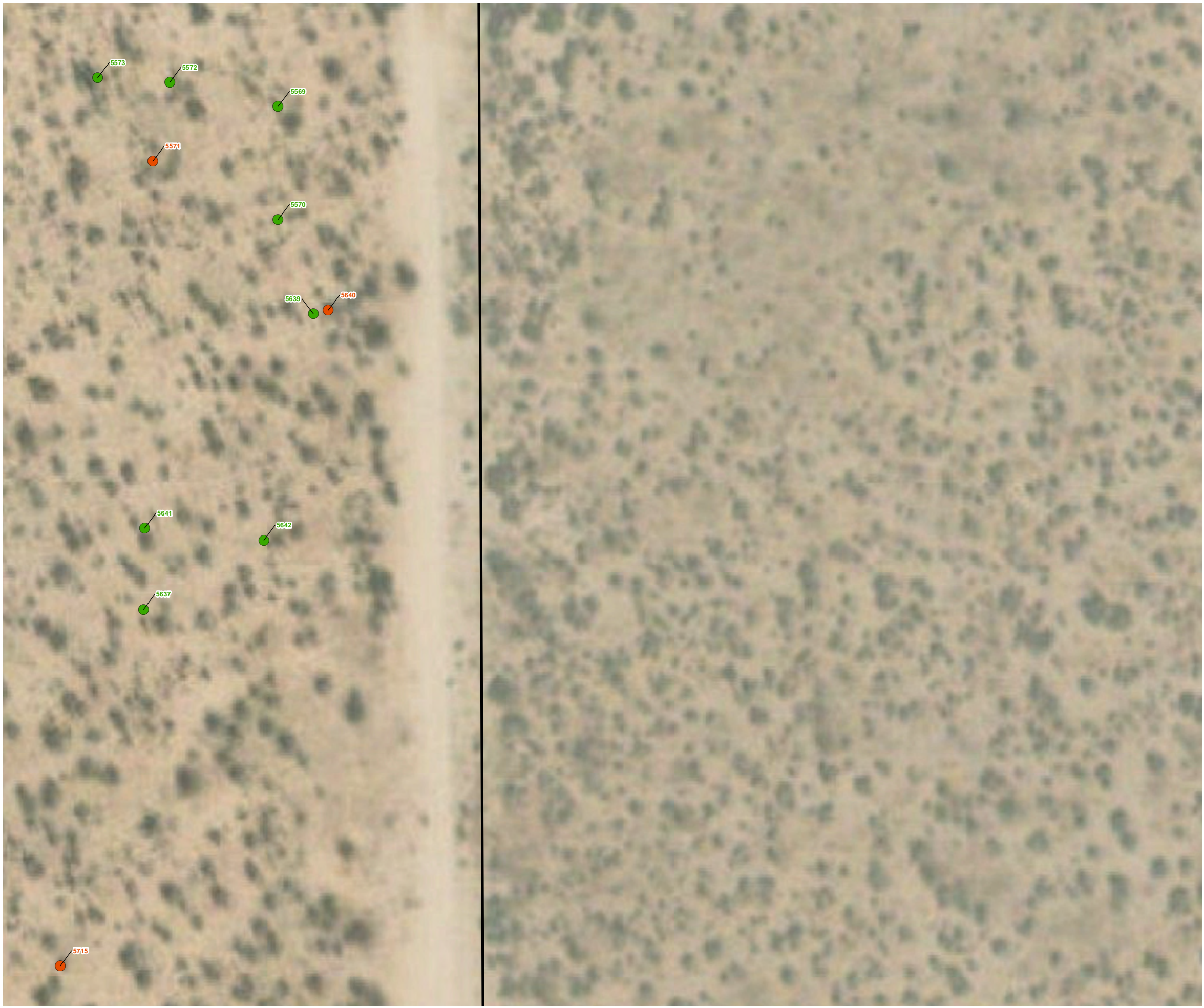
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Joshua Tree Impacts Exhibit 8-56

Antelope Valley Commerce
Center Project





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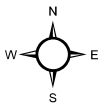


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



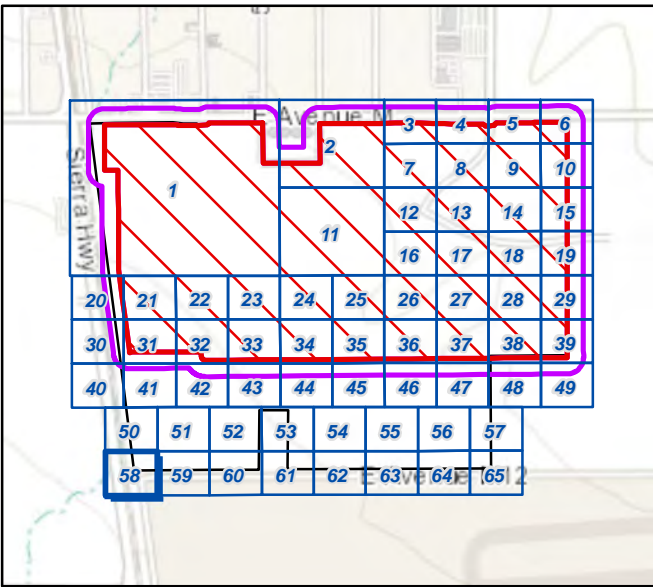
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Joshua Tree Impacts Exhibit 8-57



Antelope Valley Commerce
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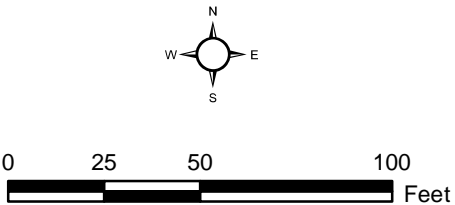


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.

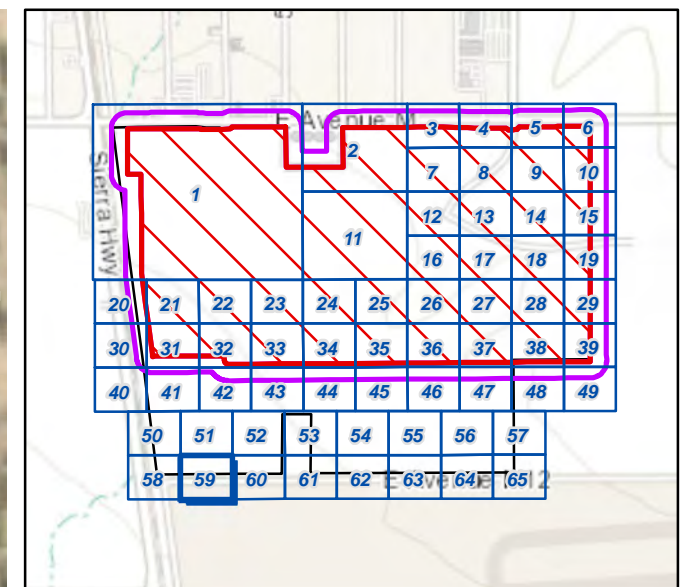
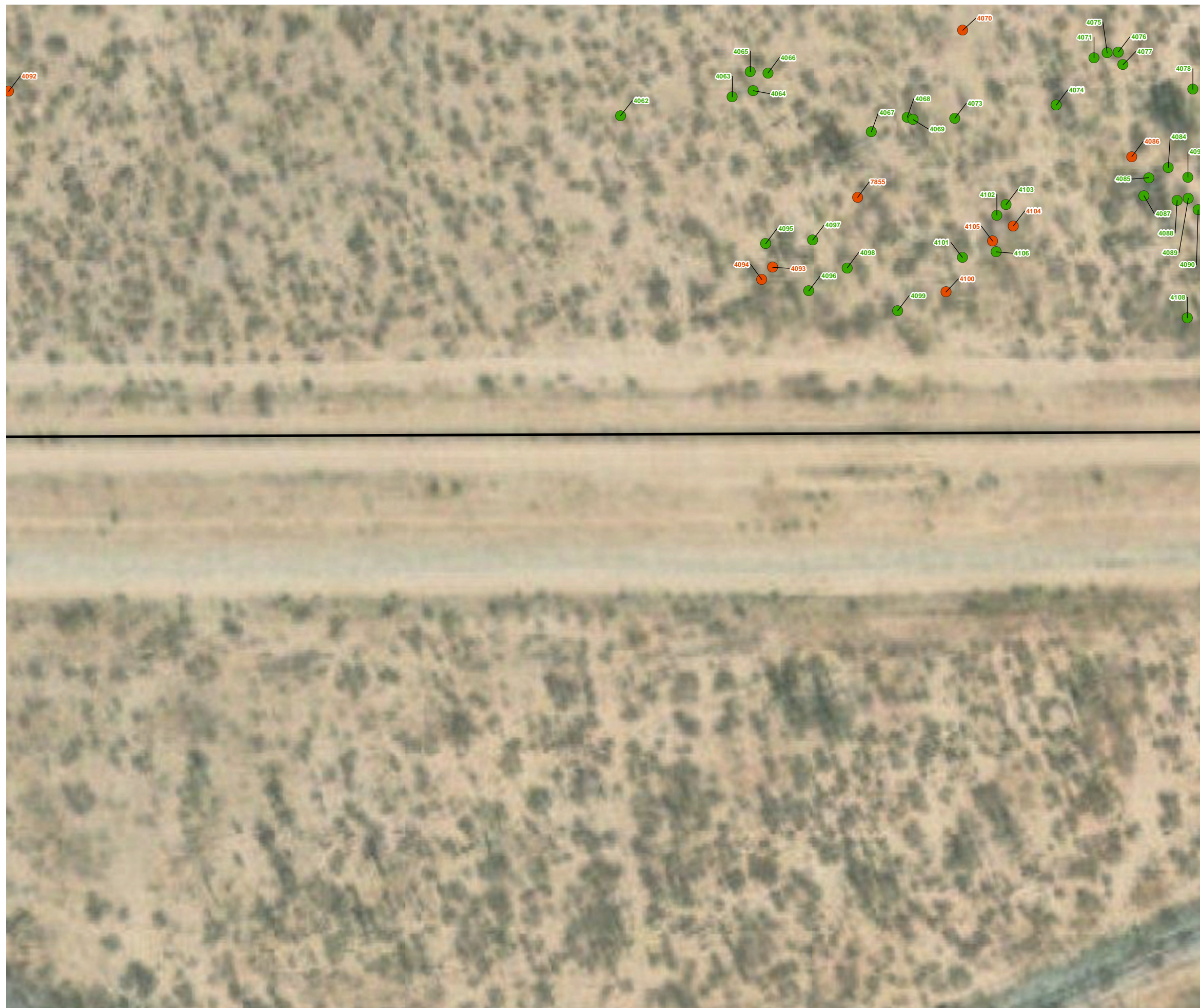


Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-58

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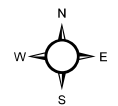


 Project Boundary

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



0 25 50 100 Feet

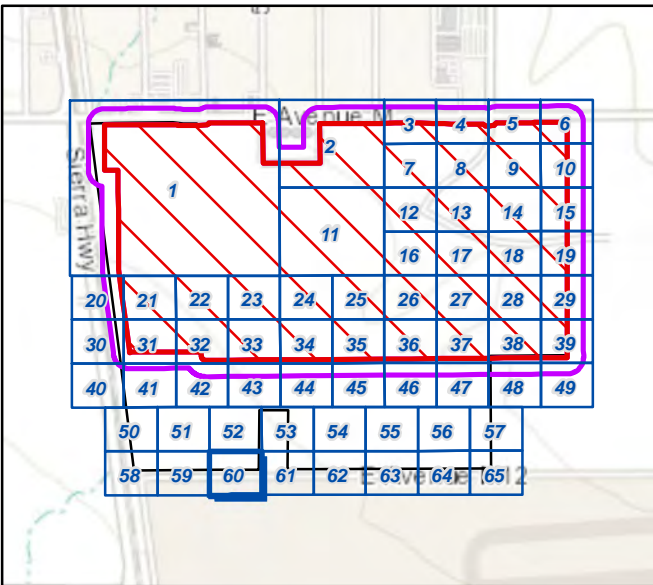
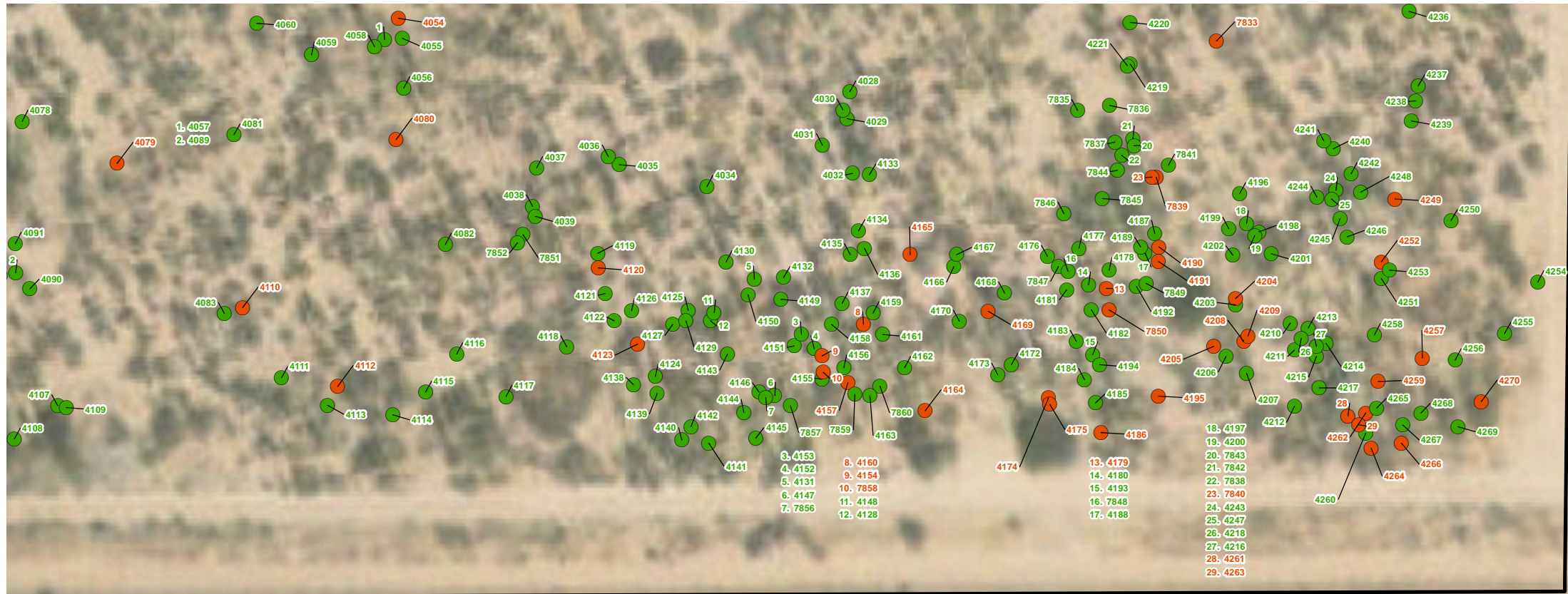
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-59

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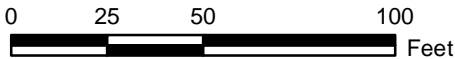
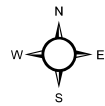


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



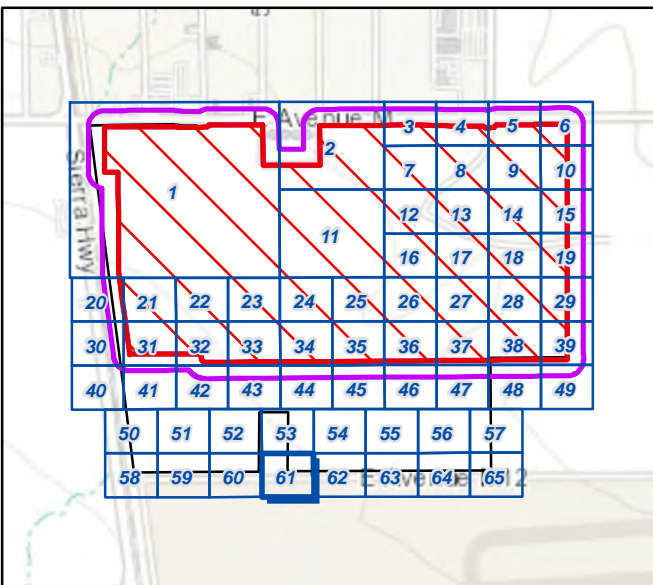
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8–60

*Antelope Valley Commerce
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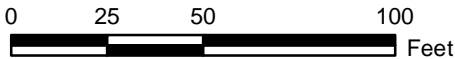
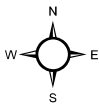


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



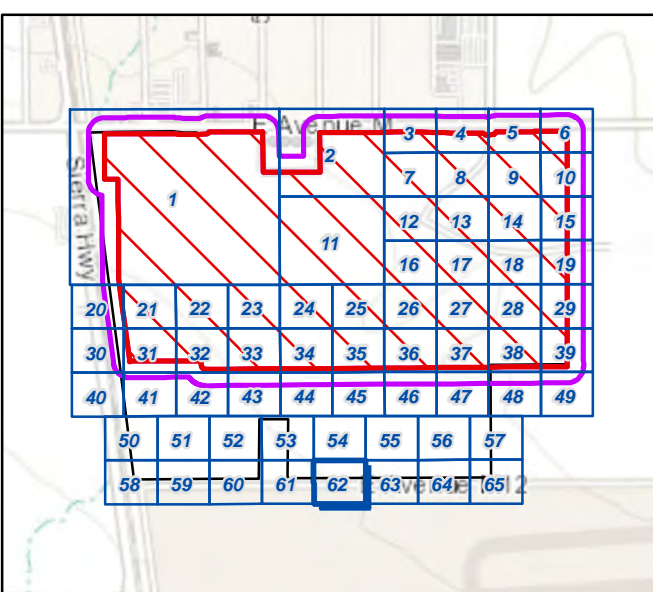
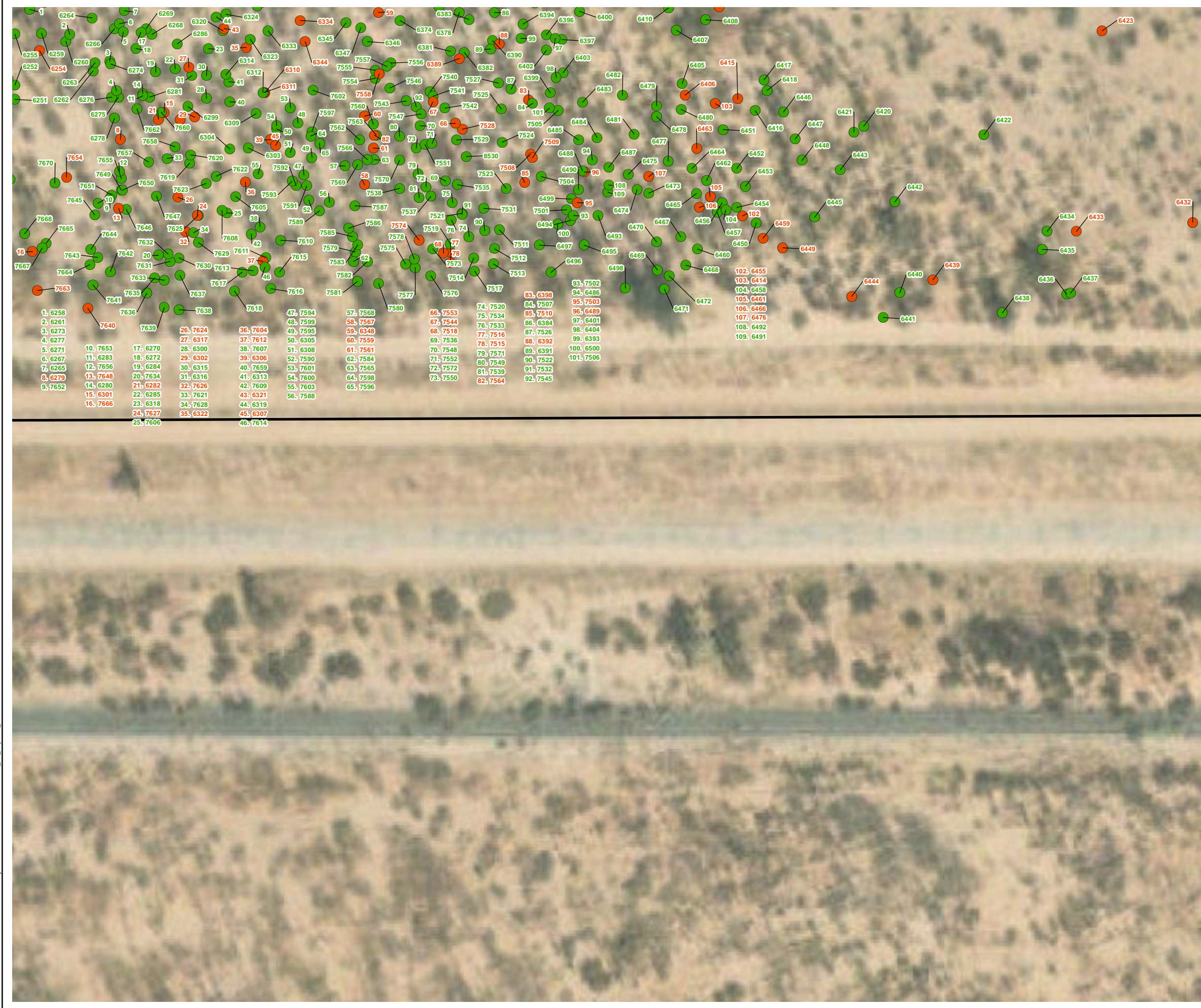
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8–61

Antelope Valley Commerce
Center Project

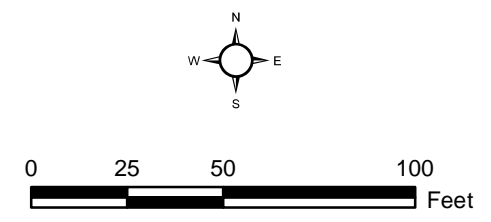


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- Project Boundary
- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.

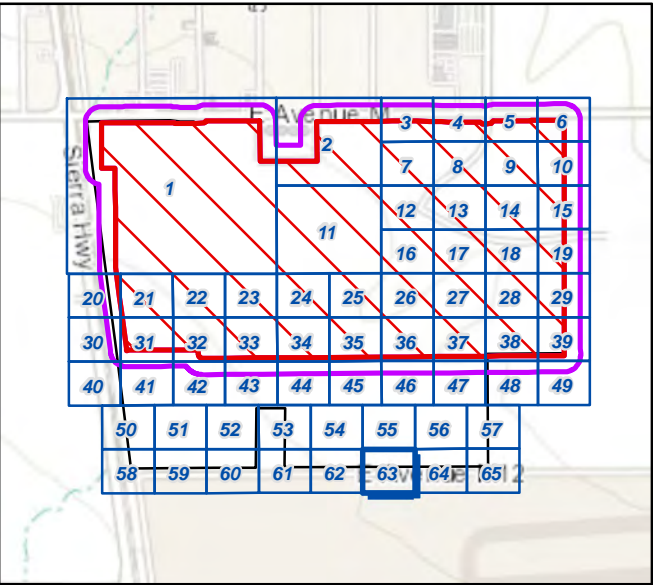
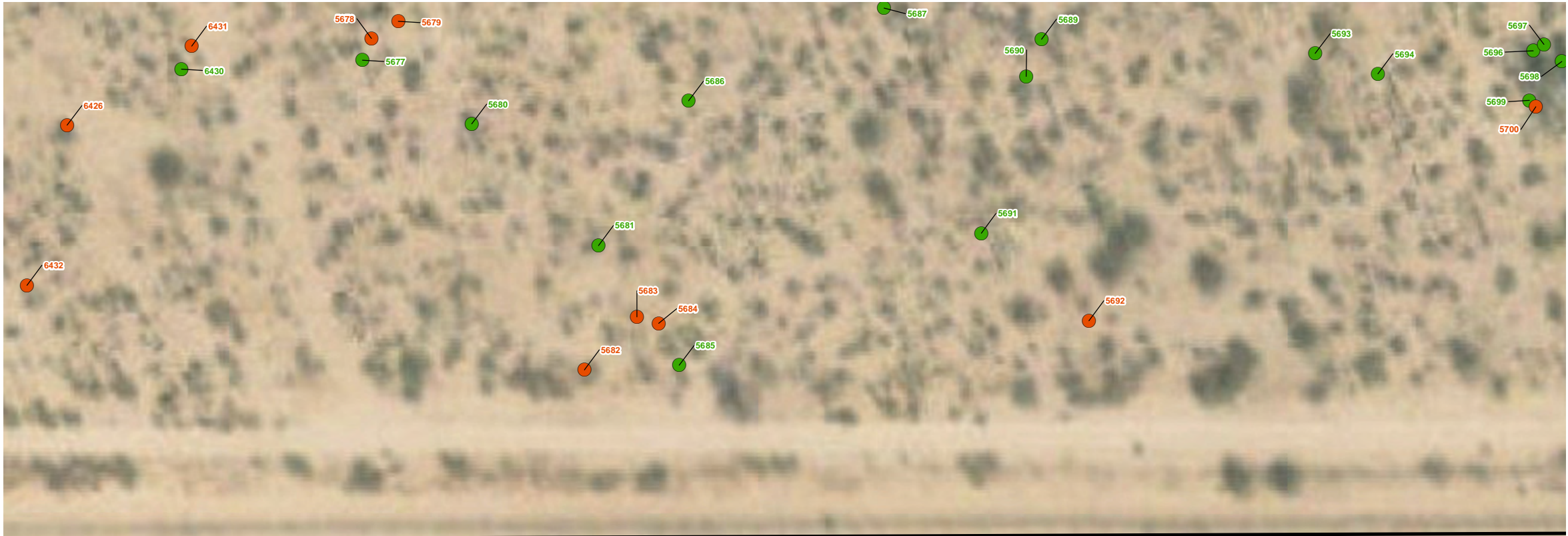


Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-62



Antelope Valley Commerce
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(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotech\ex_JT_Impacts.pdf

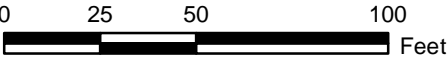
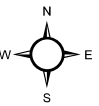


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



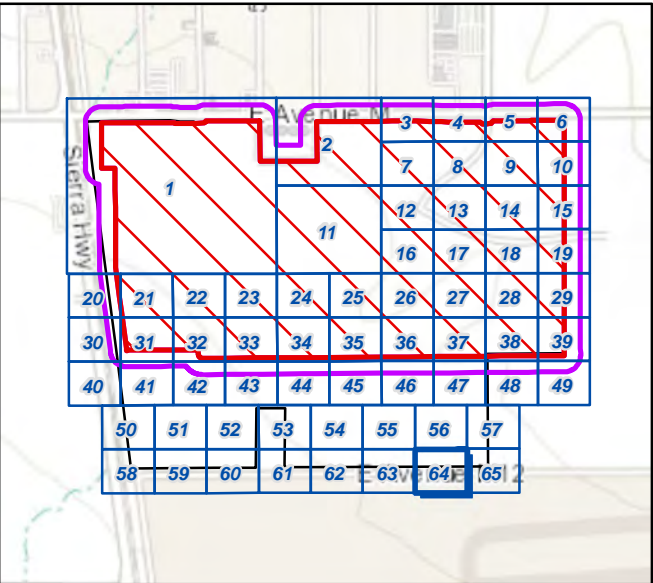
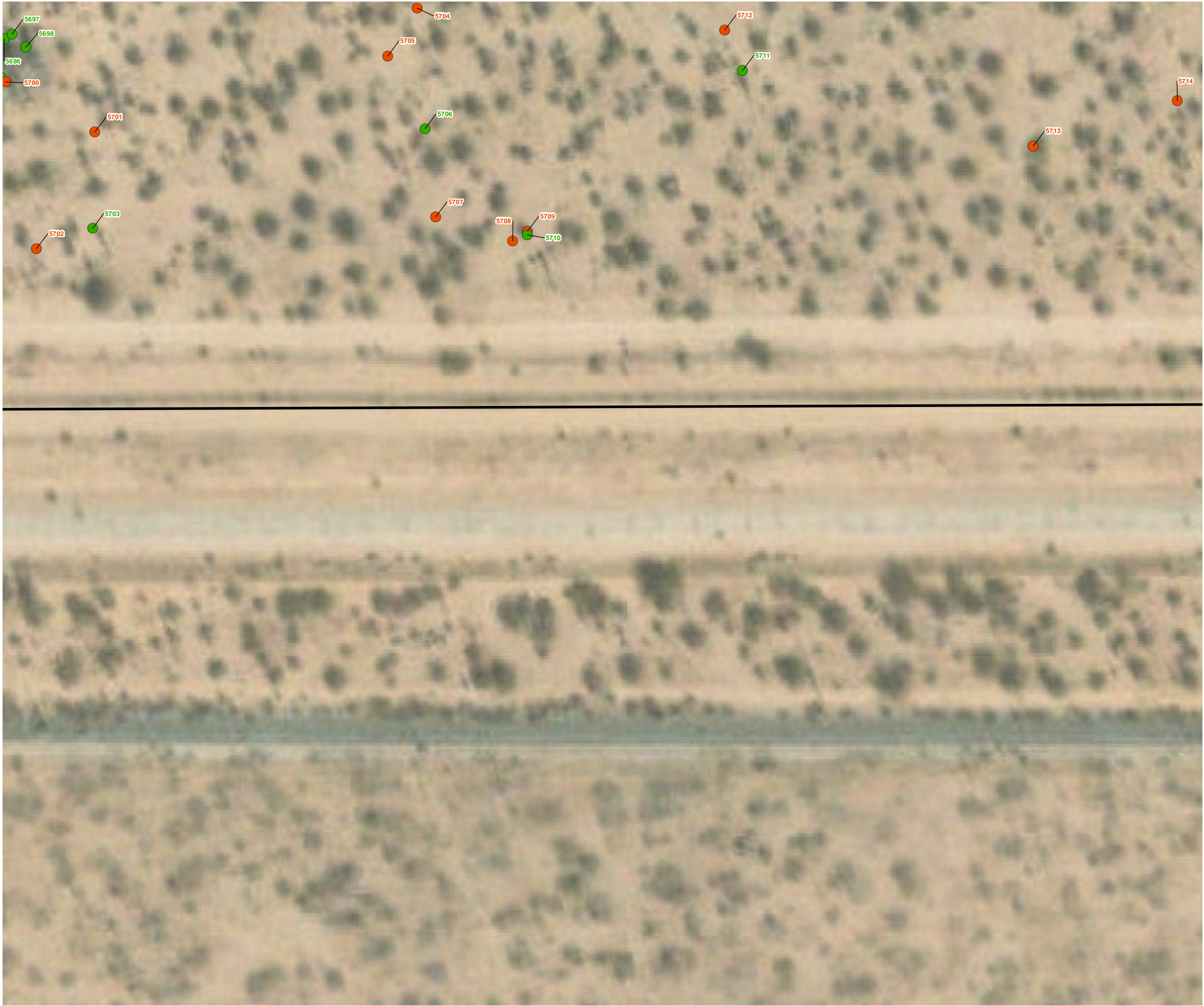
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Joshua Tree Impacts Exhibit 8-63

*Antelope Valley Commerce
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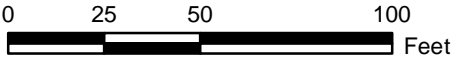
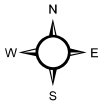


 Project Boundary

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



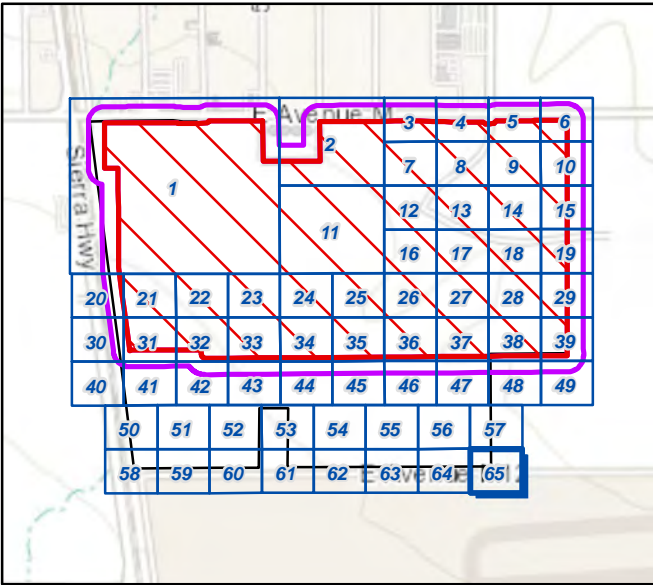
Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8-64

*Antelope Valley Commerce
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(Rev: 11/18/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\Biotech\ex_JT_Impacts.pdf

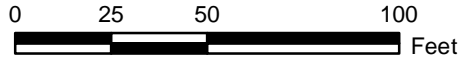
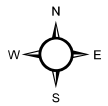


 Project Boundary

Joshua Tree Survey Results

 dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment A.



Aerial Source: Esri, Maxar 2021

Joshua Tree Impacts Exhibit 8–65

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TABLE 6
SPECIAL STATUS PLANT SPECIES REPORTED FROM THE PROJECT REGION

Scientific Name	Common Name	CDFW	CRPR	Species Background	Potential
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch		1B.1	Annual herb. Lake margins and alkaline soils in meadows, seeps, and playas; 196–2,788 feet. Southern California County Distribution: Kern, San Bernardino (Presumed extirpated). Blooming period: May–October	No suitable habitat present. Not observed during focused surveys.
<i>Astragalus preussii</i> var. <i>laxiflorus</i>	Lancaster milk-vetch		1B.1	Perennial herb. Chenopod scrub; elevation range unknown due to lack of records. Southern California County Distribution: Kern, Los Angeles, Riverside, San Bernardino. Blooming period: March–May	No suitable habitat present. Not observed during focused surveys.
<i>Calochortus striatus</i>	alkali mariposa lily		1B.2	Perennial bulbiferous herb. Alkaline and mesic soils in chaparral, chenopod scrub, Mojavean desert scrub, meadows, seeps, desert grasslands; 230–5,232 feet. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: April–June	No suitable soils. Not observed during focused surveys.
<i>Calystegia peirsonii</i>	Peirson's morning-glory		4.2	Perennial rhizomatous herb. Chaparral, chenopod scrub, cismontane woodland, coastal scrub, lower montane coniferous forest, grassland; 98–4,920 feet. Southern California County Distribution: Los Angeles. Blooming period: April–June	No suitable habitat present. Not observed during focused surveys.
<i>Canbya candida</i>	white pygmy-poppy		4.2	Annual herb. Gravelly, sandy, or granitic soils in Joshua tree woodland, Mojavean desert scrub, Pinyon and juniper woodland; 1,968–4,789 feet. Southern California County Distribution: Imperial, Kern, Los Angeles, San Bernardino. Blooming period: March–June	Potentially suitable habitat present. Not observed during focused surveys.
<i>Chorizanthe spinosa</i>	Mojave spineflower		4.2	Annual herb. Sometimes alkaline soils in chenopod scrub, Joshua tree woodland, Mojavean desert scrub, and playas; 20–4,264 feet. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: March–July	Potentially suitable habitat present. Not observed during focused surveys.
<i>Cymopterus deserticola</i>	desert cymopterus		1B.2	Perennial herb. Sandy soil in Joshua tree woodland and Mojavean desert scrub; 2,066–4,920 feet. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: March–May.	Marginally suitable habitat present. Not observed during focused surveys.
<i>Eriastrum rosamondense</i>	Rosamond eriastrum		1B.1	Annual herb. Alkaline hummocks in often sandy soil in openings of chenopod scrub and the edges of vernal pools; 2,296–2,345 feet. Southern California County Distribution: Kern, Los Angeles. Blooming period: April–July	No suitable soils. Not observed during focused surveys.
<i>Eriophyllum mohavense</i>	Barstow woolly sunflower		1B.2	Annual herb. Chenopod scrub, Mojavean desert scrub, and playas; 1,640–3,149 feet. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: March–May	No suitable habitat present. Not observed during focused surveys.
<i>Gilia latiflora</i> ssp. <i>cuyamensis</i>	Cuyama gilia		4.3	Annual herb. Sandy soil in Pinyon and juniper woodland; 1,952–6,560 feet. Southern California County Distribution: Kern, Los Angeles, Ventura. Blooming period: April–June	No suitable habitat present. Not observed during focused surveys.
<i>Goodmania luteola</i>	golden goodmania		4.2	Annual herb. Alkaline or clay soils in Mojavean desert scrub, meadows, seeps, playas, and grassland; 66–7,216 feet. Southern California County Distribution: Kern, Los Angeles. Blooming period: April–August	No suitable soils. Not observed during focused surveys.
<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i>	sagebrush loeflingia		2B.2	Annual herb. Sandy soil in desert dunes, great basin scrub, and Sonoran desert scrub; 2,296–5,297 feet. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: April–May	Potentially suitable habitat present. Not observed during focused surveys.
<i>Lycium torreyi</i>	Torrey's box-thorn		4.2	Perennial shrub. Coastal scrub and Sonoran desert scrub; -10–3,660 feet. Southern California County Distribution: Imperial, Riverside, San Bernardino, San Diego. Blooming period: January–November	Potentially suitable habitat present. Not observed during focused surveys.
<i>Muilla coronata</i>	crowned muilla		4.2	Perennial cormous herb. Chenopod scrub, Mojavean desert scrub, Joshua tree and Pinyon and juniper woodland; 2,509–6,429 feet. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: March–May	Suitable habitat present. Observed.
<i>Opuntia basilaris</i> var. <i>brachyclada</i>	short-joint beavertail		1B.2	Stem succulent shrub. Chaparral, Mojavean desert scrub, Joshua tree, Pinyon and juniper woodland; 1,394–5,904 feet. Southern California County Distribution: Los Angeles, San Bernardino. Blooming period: April–August	Marginally suitable habitat present. Limited records in the region. Not observed during focused surveys.
<i>Perideridia pringlei</i>	adobe yampah		4.3	Perennial herb. Serpentine or often clay soils in chaparral, cismontane woodland, coastal scrub, Pinyon and juniper woodland; 984–5,904 feet. Southern California County Distribution: Kern, Los Angeles, Ventura. Blooming period: April–July	No suitable soils. Not observed during focused surveys.
<i>Puccinellia simplex</i>	California alkali grass		1B.2	Annual herb. Saline flats, mineral springs; <2,953 feet. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: March–May	No suitable habitat present. Not observed during focused surveys.
<i>Yucca brevifolia</i>	western Joshua tree	CST		Perennial herb. Desert flats, slopes; 1,312–7,546 feet. Southern California County Distribution: Kern, Los Angeles, San Bernardino, Riverside. Blooming period: March–June	Suitable habitat present. Observed.

CDFW: California Department of Fish and Wildlife; CRPR: California Rare Plant Rank. Species observed are represented in **bold** text.

Species Status:

State (CDFW)

CST Candidate State Threatened

CRPR

- 1B Plants Rare, Threatened, or Endangered in California and elsewhere
- 2B Plants Rare, Threatened, or Endangered in California, but more common elsewhere
- 4 Plants of limited distribution - watch list
- .1 Seriously threatened in California (over 80% of occurrences threatened; high degree and immediacy of threat)
- .2 Moderately threatened in California (20–80% of occurrences threatened; moderate degree and immediacy of threat)
- .3 Not very threatened in California (<20% of occurrences threatened; low degree and immediacy of threat or no current threats known)

Project Site

Of the species reported from the Project region, two special status plant species, crowned muilla (*Muilla coronata*) and western Joshua tree, were observed on the Project site. Details of each species' observations occurring in the survey area are discussed below.

Crowned Muilla

Crowned muilla (*Muilla coronata*) has a CRPR of 4.2. It typically blooms between March and April (Jepson Flora Project 2022; CNPS 2022). This perennial herb (bulb) occurs in open desert scrub and woodland between approximately 2,509–6,429 feet above msl (Jepson Flora Project 2022; CNPS 2022). This species is known from the Mojave Desert, desert mountains, Tehachapi Mountain area, southern high Sierra Nevada and east to the White and Inyo Mountains (Jepson Flora Project 2022).

One confirmed crowned muilla observation (one individual) was documented along the southern edge of the Project site (Exhibit 7). This individual was desiccated and contained one seed. Considering the time of year the observation was made (early April), it can be inferred this individual bloomed in the previous season. In addition, a population of approximately ten individuals in Themidaceae (Brodiaea) family were observed in the eastern portion of the site (Exhibit 7). These individuals were observed in a vegetative state and could not be identified further at the time of the survey. Blooming never occurred (multiple checks were performed) so further identification was not possible. Given the structure of the leaves, it is likely that this population is also crowned muilla. Both locations occur in Joshua tree woodland in sandy soils (Psomas 2022c).

Western Joshua Tree

The western Joshua tree's western extent occurs near Gorman, California; the southern extent occurs in Joshua Tree National Park; the eastern extent in Tikaboo Valley, Nevada; and the northern extent near Alkali, Nevada (Lenz 2007). The western Joshua tree is arborescent (tree-like) with a distinct trunk, and it branches only after a flower is produced on the main stalk. The western Joshua tree is currently listed as a California Candidate Threatened species (CDFW 2022b) and therefore requires obtaining an Incidental Take Permit prior to disturbance granted through either the CESA Incidental Take Permit (ITP) process or the Joshua Tree Conservation Act ITP process.

A total of 8,196 western Joshua trees (or colonies) were documented in the survey area; 6,644 living and 1,552 dead. Of the 8,196 total documented Joshua trees (or colonies), 7,184 are on-site and 1,012 are located off-site within the survey buffer area (Table 7). A map of the tree locations can be found on Exhibit 8. A detailed data table of each tree and corresponding attributes, as well as those trees potentially suitable for transplantation, can be found in Attachment D.

TABLE 7
SUMMARY OF SURVEY RESULTS

Total Joshua Trees in Survey Area	Total Joshua Trees On-Site	Total Joshua Trees Off-Site	Living Joshua Trees On-Site	Living Joshua Trees Off-Site	Total Living Joshua Trees	Total Dead Joshua Trees
8,196	7,184	1,012	5,757	887	6,644	1,552

The Joshua trees on the Project site are most numerous in the south, southeast, and eastern portions of the site, and gradually becoming sparser moving to the west, northwest, and north. The majority of the trees in the survey are growing clonally, with very dense colonies occurring near the central-southern and eastern portion of the site. Evidence of historical mechanical disturbance in the center and northern portions of the site is visible from aerial photographs which coincides with sparser Joshua tree occurrences. In addition, illegal off-road vehicular disturbances and trash dumping occurs in the central-eastern portion of the site and this area also coincides with sparser Joshua tree occurrences (Psomas 2022d).

California Desert Native Plant Species

An inventory of plants protected by the California Desert Native Plants Act (see Section 1.3.2) was made during the 2022 focused plant surveys. This survey identified two species protected by the California Desert Native Plants Act in the survey area: western Joshua tree and silver cholla (*Cylindropuntia echinocarpa*) (Exhibits 7 and 8). The western Joshua tree is discussed in the section above, and further details can be found in Appendix D. Table 8 contains data for the 12 silver cholla observations.

TABLE 8
CALIFORNIA DESERT NATIVE PLANTS

Plant Species		Exhibit 5 ID	Health ^a	Approximate Height (ft)
Common Name	Botanical Name			
silver cholla	<i>Cylindropuntia echinocarpa</i>	1	3	4
silver cholla	<i>Cylindropuntia echinocarpa</i>	2	2	4
silver cholla	<i>Cylindropuntia echinocarpa</i>	3	4	2.5
silver cholla	<i>Cylindropuntia echinocarpa</i>	4	2	3
silver cholla	<i>Cylindropuntia echinocarpa</i>	5	2	4
silver cholla	<i>Cylindropuntia echinocarpa</i>	6	3	1.5
silver cholla	<i>Cylindropuntia echinocarpa</i>	7	3	3
silver cholla	<i>Cylindropuntia echinocarpa</i>	8	3	1.5
silver cholla	<i>Cylindropuntia echinocarpa</i>	9	3	3
silver cholla	<i>Cylindropuntia echinocarpa</i>	10	3	2
silver cholla	<i>Cylindropuntia echinocarpa</i>	11	2	3
silver cholla	<i>Cylindropuntia echinocarpa</i>	12	2	1.5

^a Health/Aesthetics Ratings: 1=Very Poor, 2=Poor, 3=Fair, 4=Good, and 5=Excellent; ft: feet

3.4.5 Special Status Trees

One tree regulated by the City of Palmdale Urgency Ordinance (City of Palmdale 2022b) was documented during Joshua tree surveys: California juniper (*Juniperus californica*). Exhibit 7 shows the location and Table 9 contains the regulatory information for the California juniper tree.

TABLE 9
TREES REGULATED BY THE CITY OF PALMDALE

Tree Species		Tree Tag ID	Health	DBH	Height (ft)	Canopy (ft)
Common Name	Botanical Name					
California juniper	<i>Juniperus californica</i>	3646	good	3	8	12

DBH: diameter at breast height; ft: feet

3.4.6 Special Status Wildlife

Table 10 provides a summary of special status wildlife species reported to occur in the Project region (i.e., the USGS' Palmdale, Lancaster East, Lancaster West, Alpine Butte, Littlerock, and Ritter Ridge 7.5-minute quadrangles) and includes information on the status, species background, nearest reported location, potential for occurrence, and results of focused survey efforts (where applicable). This list includes species reported by the CNDDDB, supplemented with species from the Project Biologist's experience that either occur nearby or could occur based on the presence of suitable habitat. Note that these species are listed taxonomically. Species observed in the study area are discussed further below.

**TABLE 10
SPECIAL STATUS WILDLIFE SPECIES
REPORTED FROM THE PROJECT REGION**

Species	Status		Species Background	Potential to Occur/Results of Focused Surveys (Project Site)
	USFWS	CDFW		
Amphibians				
<i>Anaxyrus californicus</i> arroyo toad	FE	SSC	Occurs in semi-arid regions near washes or intermittent streams. Streams must be of low velocity with sand or gravel substrate.	Not expected to occur; outside species' range and lack of suitable habitat.
<i>Rana draytonii</i> California red-legged frog	FT	SSC	Occurs in deep ponds and slow-moving streams with emergent vegetation in forests, woodlands, grasslands, streams, wetlands, ponds, and lakes from sea level to 8,000 feet above msl.	Not expected to occur; outside species' range and lack of suitable habitat.
<i>Rana muscosa</i> Southern mountain yellow-legged frog	FE	SSC	Occurs in small, isolated populations in the San Gabriel, San Bernardino, and San Jacinto Mountains in narrow, rock-walled rivers, perennial creeks, and permanent plunge pools with intermittent creeks and pools in montane riparian and/or chaparral between 1,200 and 7,500 feet above msl.	Not expected to occur; outside species' range and lack of suitable habitat.
Reptiles				
<i>Actinemys pallida</i> southwestern pond turtle	—	SSC	Occurs in ponds, lakes, marshes, rivers, streams, and irrigation ditches with a rocky or muddy bottom and aquatic vegetation at elevations from sea level to approximately 6,696 feet above msl.	Not expected to occur; outside species' range and lack of suitable habitat.
<i>Arizona elegans occidentalis</i> California glossy snake	—	SSC	Occurs in chaparral, sagebrush, valley-foothill hardwood, pine-juniper, and annual grass, elevation from below sea level to 7,000 feet. Prefer open sandy areas with scattered brush, but also found in rocky areas.	Not expected to occur; outside species' range.

**TABLE 10
SPECIAL STATUS WILDLIFE SPECIES
REPORTED FROM THE PROJECT REGION**

Species	Status		Species Background	Potential to Occur/Results of Focused Surveys (Project Site)
	USFWS	CDFW		
<i>Anniella pulchra</i> northern legless lizard	—	SSC	Requires areas with loose sandy soil, moisture, warmth, and plant cover, including leaf litter. Occurs in pine-oak woodlands, desert scrub, sandy washes, and stream terraces with sycamores, cottonwoods, or oaks at elevations between sea level and approximately 6,000 feet.	May occur; known from approximately one mile northwest of the Project site in similar habitat; potentially suitable habitat present.
<i>Gopherus agassizii</i> desert tortoise	FT	ST	Occurs in creosote bush scrub, Joshua tree woodland, and Mojave-saltbush-allscale scrub.	Not expected to occur; not observed during focused surveys.
<i>Phrynosoma blainvillii</i> Blainville's horned lizard	—	SSC	Valley-foothill hardwood, conifer, and riparian habitats, pine-cypress, juniper and annual grassland habitats from sea level to 6,000 feet above msl and open country, especially sandy areas, washes, floodplains, and windblown deposits.	Not expected to occur; marginally suitable habitat at the edge of species' range; not observed on site during any of the 2022 focused surveys.
<i>Thamnophis hammondi</i> two-striped garter snake	—	SSC	Occurs in wetlands, freshwater marsh, and riparian habitats with perennial water.	Not expected to occur; outside species' range and lack of suitable habitat.
Birds				
<i>Accipiter cooperii</i> Cooper's hawk (nesting)	—	WL	Forages in deciduous and mixed forests and open, interrupted, or marginal woodlands. Nests primarily in riparian growths of deciduous trees.	May occur for foraging; potentially suitable foraging habitat. Not expected to occur for nesting on the Project site; lack of suitable nesting habitat (riparian trees).

**TABLE 10
SPECIAL STATUS WILDLIFE SPECIES
REPORTED FROM THE PROJECT REGION**

Species	Status		Species Background	Potential to Occur/Results of Focused Surveys (Project Site)
	USFWS	CDFW		
<i>Aquila chrysaetos</i> golden eagle (nesting and wintering)	—	FP, WL	Breeds in open and semi-open habitats such as tundra, shrublands, grasslands, woodland-brushlands, coniferous forest, farmland, and riparian habitats (Kochert et al. 2002). Nests primarily in rugged mountainous areas with large trees or on cliffs (Johnsgard 2001). Forages in open habitats like grasslands or steppe-like vegetation (Hunt et al. 1999).	Not expected to occur for nesting or foraging; no suitable nesting or foraging habitat. May occur as a flyover.
<i>Artemisospiza belli belli</i> Bell's sage sparrow	—	WL	Uncommon to fairly common but localized resident breeder in dry chaparral and coastal sage scrub along coastal lowlands, inland valleys, and in lower foothills of local mountains in California (Grinnell and Miller 1986, Unitt 1984).	Not expected to occur; outside species' range.
<i>Athene cunicularia</i> burrowing owl (burrow sites and some wintering sites)	—	SSC	Occurs in arid and semi-arid environments (e.g., grassland, steppes, deserts, prairies, and agricultural land) with well-drained, level to gently sloping areas with sparse vegetation (Haug et al. 1993; Dechant et al. 2003). Nests in mammal burrows and man-made cavities such as dry culverts.	May occur for nesting or wintering; no burrowing owls or burrowing owl sign were observed during focused surveys (Psomas 2022b).
<i>Asio flammeus</i> short-eared owl (nesting)	—	SSC	Breeds in open country (e.g., prairie and coastal grasslands, heathlands, shrub-steppe, and tundra) in northern U.S. and Canada; nests on the ground. Winters in open areas within woodlots, stubble fields, fresh and saltwater marshes, weedy fields, dumps, gravel pits, rock quarries, and shrub thickets (Wiggins et al. 2006).	Observed during non-breeding season, suitable foraging habitat. Not expected to occur for nesting; does not breed in the Project region.

**TABLE 10
SPECIAL STATUS WILDLIFE SPECIES
REPORTED FROM THE PROJECT REGION**

Species	Status		Species Background	Potential to Occur/Results of Focused Surveys (Project Site)
	USFWS	CDFW		
<i>Asio otus</i> long-eared owl (nesting)	—	SSC	In the County, long-eared owl is a rare and local summer resident in riparian areas of the desert slope and ranch yards of the Antelope Valley. It is an uncommon winter visitor to thickly treed areas of the Antelope Valley (Allen et al. 2016). Requires patches of dense vegetation (e.g., coniferous and deciduous forest near edges or meadows and clumps of willow, cottonwood, or juniper in open environments) for nesting and grasslands, shrublands, or open woodlands for hunting (Allen et al. 2016).	May occur for foraging; potentially suitable foraging habitat. Not expected to occur for nesting; no suitable habitat.
<i>Buteo regalis</i> ferruginous hawk (wintering)	—	WL	Breeds in Flat and rolling terrain in grassland or shrubsteppe regions of the northwestern US and southwestern Canada. In California winters in open terrain from grasslands to arid desert, and near cultivated fields, where pocket gophers, ground squirrels, and lagomorphs are abundant.	Not expected to occur for nesting; does not nest in the Project region. Not expected to occur for wintering; no suitable wintering habitat.
<i>Buteo swainsoni</i> Swainson's hawk (nesting)	—	ST	Forages in open stands of grass-dominated vegetation; sparse shrublands; and small, open woodlands and has adapted well to foraging in agricultural areas (e.g., wheat and alfalfa) (Woodbridge 1991). Nests in scattered trees within these grassland, shrubland, or agricultural landscapes (e.g., along stream courses or in open woodlands) (Bechard et al. 2010).	Not expected to occur for nesting or foraging on the Project site; no suitable nesting or foraging habitat (agricultural fields). May occur as a flyover. Not observed during focused surveys (Psomas 2022e).

**TABLE 10
SPECIAL STATUS WILDLIFE SPECIES
REPORTED FROM THE PROJECT REGION**

Species	Status		Species Background	Potential to Occur/Results of Focused Surveys (Project Site)
	USFWS	CDFW		
<i>Charadrius montanus</i> mountain plover (wintering)	—	SSC	Breeds outside California and winters from north-central California to the Mexican border. Forages in open, flat, dry tablelands with low, sparse vegetation (e.g., prairies, alkaline flats, and tilled fields), including disturbed areas (Knopf and Wunder 2006)	Low potential to occur for foraging in winter; marginally suitable foraging habitat due to urban surroundings. Not expected to occur for nesting; does not nest in the Project region.
<i>Circus hudsonius</i> northern harrier	—	SSC	Forages and breeds in open habitats, making use of freshwater or brackish marshes, and wet meadows or pastures, grasslands, and cold-desert scrublands (Allen et al. 2016). Within the Project region, breeding is known from Piute Ponds and agricultural areas (Allen et al. 2016).	Not expected to occur for nesting; no suitable nesting habitat present on or adjacent to the Project site. May occur for foraging; potentially suitable foraging habitat.
<i>Falco columbarius</i> merlin (wintering)	—	WL	During migration, found in a wide variety of habitats, including open grasslands, semi-open forests, coastal areas (beach dunes, marshes, and tidal flats); much like winter habitats (Raim et al. 1989).	May occasionally occur for foraging; potentially suitable foraging habitat. Not expected to occur for nesting; does not nest in the Project region.
<i>Falco peregrinus anatum</i> American peregrine falcon (nesting)	delisted	delisted, FP	Breeds in habitats that contain cliffs, for nesting on ledges, with open gulfs of air and generally open landscapes for foraging. Typically forages less than 5 miles from nesting sites (White et al. 2002).	May occur for foraging outside breeding season; potentially suitable foraging habitat. Not expected to occur for nesting; no suitable nesting habitat (cliffs).
<i>Lanius ludovicianus</i> loggerhead shrike (nesting)	—	SSC	Breeds in grasslands and other dry, open habitats. Nests in trees and shrubs that provide cover, usually with thorns. Forages in open landscapes characterized by well-spaced, often spiny, shrubs and low trees, usually interspersed with short grasses, forbs, and bare ground (Yosef 1996).	Observed; suitable nesting and foraging habitat.

**TABLE 10
SPECIAL STATUS WILDLIFE SPECIES
REPORTED FROM THE PROJECT REGION**

Species	Status		Species Background	Potential to Occur/Results of Focused Surveys (Project Site)
	USFWS	CDFW		
<i>Falco mexicanus</i> prairie falcon (nesting)	—	WL	Breeds in open habitat, including shrub-steppe desert, grasslands, mixed shrub and grasslands, and alpine tundra (Steenhof 2013). Forages in grassland and scrub. Nests on cliffs (Clark and Wheeler 2001).	May occur for foraging; potentially suitable foraging habitat. Not expected to occur for nesting; no suitable nesting habitat (cliffs).
<i>Toxostoma lecontei</i> LeConte's thrasher	—	SSC	Occurs in sparsely vegetated desert flats, dunes, alluvial fans, and gently rolling hills typically with saltbush (<i>Atriplex</i> spp.) and/or cholla. Rarely found in creosote scrub. Nests in dense and thorny desert shrubs or cholla (Sheppard 1996).	Observed; suitable nesting and foraging habitat.
Mammals				
<i>Antrozous pallidus</i> pallid bat	—	SSC	Occurs in a variety of habitats such as grasslands, shrublands, and woodlands, but most commonly in open habitats with rocky areas for roosting (Zeiner et al. 1990). Roosts in caves, crevices, mines, and occasionally hollow trees and buildings (Whitaker 1980; Zeiner et al. 1990).	May occur for foraging; potentially suitable foraging habitat. Not expected to occur for roosting; no suitable roosting habitat.
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	—	SSC	Occurs in a variety of habitats such as oak woodlands, arid deserts, grasslands, and high-elevation forests and meadows (Hall 1981). Roosts in mine tunnels, limestone caves, lava tubes, buildings, and other man-made structures (Williams 1986).	May occur for foraging; potentially suitable foraging habitat. Not expected to occur for roosting; no suitable roosting habitat (caves).

**TABLE 10
SPECIAL STATUS WILDLIFE SPECIES
REPORTED FROM THE PROJECT REGION**

Species	Status		Species Background	Potential to Occur/Results of Focused Surveys (Project Site)
	USFWS	CDFW		
<i>Chaetodipus fallax pallidus</i> pallid San Diego pocket mouse	—	SSC	Primarily found on the eastern slopes of the Peninsular Ranges in Eastern Riverside County and the San Felipe Valley in San Diego County. This species can occur in a variety of habitats such as coastal scrub, chamise-redshank chaparral, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent scrub, and pinyon-juniper. It is associated with sandy herbaceous areas with rocks and coarse gravel (Blood 2022).	Not expected to occur; outside species' range.
<i>Euderma maculatum</i> spotted bat	—	SSC	Occurs in a variety of habitats such as arid desert, grassland, and mixed conifer forest (Zeiner et al. 1990). Roosts in rock crevices (Williams 1986).	Not expected to occur for foraging due to lack of records in the Project region; only one museum record in Los Angeles County and audio detections outside the Project region (Blood 2022). Not expected to occur for roosting; no suitable roosting habitat (rock crevices).
<i>Eumops perotis californicus</i> western mastiff bat	—	SSC	Forages in dry desert washes, floodplains, chaparral, oak woodland, open ponderosa pine forest, grassland, and agricultural areas. Roosts primarily in cliffs high above the ground (WBWG 2005).	May occur for foraging; potentially suitable foraging habitat. Not expected to occur for roosting; no suitable roosting habitat (cliffs).
<i>Xerospermophilus mohavensis</i> Mohave ground squirrel	—	ST	Occurs in Mojave desert scrub, alkali scrub, and Joshua tree woodland between 1,800 and 5,000 feet, in sandy to gravelly soils and they forage primarily on the leaves and seeds of forbs and shrubs (BLM 2006).	Not expected to occur due to lack of recent records in the Project region, and not observed during focused surveys (Elanco 2022).

**TABLE 10
SPECIAL STATUS WILDLIFE SPECIES
REPORTED FROM THE PROJECT REGION**

Species	Status		Species Background	Potential to Occur/Results of Focused Surveys (Project Site)
	USFWS	CDFW		
<i>Vulpes macrotis arsipus</i> desert kit fox	—	FBM	Occurs in open desert, areas of desert scrub, grasslands, and sand dunes, in sandy and loamy soils, and forages in the same habitat and primarily eats rodents (McGrew 1979).	Observed; suitable foraging and denning habitat.
<i>Taxidea taxus</i> American badger	—	SSC	Occurs in a wide range of habitats, but is most abundant in drier, open stages of most shrub, forest, and herbaceous habitats with friable soil (CDFW 2014).	Low potential to occur; limited marginal potentially suitable habitat (urban surroundings).

USFWS: U.S. Fish and Wildlife Service; CDFW: California Department of Fish and Wildlife. Species observed on the Project site are represented in **bold** text.

LEGEND:

<u>Federal (USFWS)</u>	<u>State (CDFW)</u>
FE Endangered	ST Threatened
FT Threatened	FP Fully Protected
	SSC Species of Special Concern
	WL Watch List
	FBM Fur-bearing Mammal (protected by Fur-bearing Mammal Act)

Short-Eared Owl

Short-eared owl is a California Species of Special Concern when nesting. Short-eared Owl is an open country, ground-nesting species that inhabits marshes, grasslands, and tundra throughout much of North America and Eurasia. It breeds high arctic to mid-latitudes and offshore islands in North America. In California breeding is most regular in northeastern California and in Suisun Marsh, and mainly irregular or extralimital elsewhere, particularly on the immediate southern coast (Shuford and Gardali 2008). Recent records of nesting in the Project region are lacking; however, nesting in the Antelope Valley was suspected in 1978, 1980, and 1992 at Harper Dry Lake in a marsh adjacent to alfalfa fields experiencing a rodent boom (Shuford and Gardali 2008). Nesting Short-eared Owls require open country that supports concentrations of microtine rodents (voles and lemmings) and herbaceous cover sufficient to conceal their ground nests from predators.

Short-eared owl was observed in the non-breeding season during Mohave ground squirrel trapping surveys. Short-eared owl is not expected to nest on the Project site due to lack of suitable habitat and a lack of records in the project region.

Loggerhead Shrike

Loggerhead shrike is a California Species of Special Concern during nesting. This species has a wide distribution across the United States, including south-central Canada and much of Mexico, but it has declined throughout much of this range in recent decades. The loggerhead shrike was considered to be a fairly common year-round resident in Southern California (Garrett and Dunn 1981). It still occupies much of its former California range but has been extirpated locally or has shown reduction in overall numbers at many locations (Shuford and Gardali 2008). Loggerhead shrikes breed mainly in shrublands or in open woodlands with a fair amount of grass cover and areas of bare ground (Shuford and Gardali 2008).

Loggerhead shrike was incidentally observed foraging during 2022 general and focused surveys on the Project site. Potentially suitable habitat (nesting and foraging) for this species is located throughout the study area and this species is known to occur on-site.

Le Conte's Thrasher

Le Conte's thrasher (*Toxostoma lecontei*) is a California Species of Special Concern. This species is a resident of the deserts of the southwestern United States and northwestern Mexico. It typically occurs with saltbush (*Atriplex* spp.) and/or cholla (*Cylindropuntia* spp.) and is rarely found in creosote scrub. It nests in dense and thorny desert shrubs or cholla (Sheppard 1996).

A Le Conte's thrasher was incidentally observed on the Project site during the 2022 focused Mohave ground squirrel surveys. Suitable foraging and breeding habitat for this species is present throughout the survey area.

Desert Kit Fox

Desert kit fox occurs in the arid regions of southern California in annual grasslands, grassy openings, and open shrublands (CDFW 2000). Open, level areas with loose-textured soils supporting scattered, shrubby vegetation with little human disturbance represent suitable habitats for kit foxes (CDFW 2000). Kit foxes typically produce one litter of about four pups per year, with most pups born February through April; pups are weaned at four to five months (CDFW 2000). While the desert kit fox is not federally or State listed as a special status species, it is protected under Title 14, *California Code of Regulations*, Section 460. The *California Fish and Game Code* (§§ 4000 – 4012) defines kit fox as a fur-bearing mammal and prohibits take of this species.

A desert kit fox was observed incidentally during 2022 Mohave ground squirrel trapping surveys. Suitable denning and foraging habitat occur throughout the Project site.

Los Angeles County Sensitive Bird Species

Several additional species have been recognized by the Los Angeles Audubon Society as “at-risk” in the region (Allen et al. 2016). In addition to the species listed in Table 10, the Audubon “at-risk” species that have the potential to occur on the Project site include greater roadrunner (*Geococcyx californianus*), mountain bluebird (*Sialia currucoides*), vesper sparrow (*Pooecetes gramineus*), western meadowlark (*Sturnella neglecta*), lesser nighthawk (*Chordeiles acutipennis*), cactus wren (*Campylorhynchus brunneicapillus*), California towhee (*Melospiza crissalis*), and black-throated sparrow (*Amphispiza bilineata*). Although not recognized by State or federal agencies, the Los Angeles County Department of Regional Planning considers these species worthy of consideration as sensitive.

4.0 PROJECT IMPACTS

4.1 INTRODUCTION

This section presents an impact analysis of the Project. All construction activities, including staging and equipment areas, will be contained within the Project site. Construction of the Project would lead to the permanent removal of existing vegetation within portions of the Project site.

Both “direct” and “indirect” impacts on biological resources have been evaluated. Direct impacts are those that involve the initial loss of habitat or individuals due to vegetation clearing and construction-related activities. Indirect impacts would be those related to impacts on the adjacent remaining habitat due to construction activities (e.g., noise, dust) or operation of a project (e.g., human activity).

Biological impacts associated with the Project were evaluated with respect to the following special status (synonymous with “sensitive”) biological issues:

- Species listed under federal or State Endangered Species Acts;
- Species proposed for listing under federal or State Endangered Species Acts;
- Non-listed species that meet the criteria in the definition of “Rare” or “Endangered” in the CEQA Guidelines (i.e., 14 *California Code of Regulations*, Section 15380)⁹;
- Species designated as California Species of Special Concern;
- Vegetation types (synonymous with “habitat” and “community”) suitable to support a federally or State-listed Endangered or Threatened plant or wildlife species;
- Streambeds, waterbodies, wetlands, and their associated vegetation;
- Vegetation types, other than wetlands, considered special status by regulatory agencies (e.g., the USFWS, the CDFW) or resource conservation organizations; and
- Other species or issues of concern to regulatory agencies or conservation organizations.

⁹ Section 15380 of the CEQA Guidelines indicates that a lead agency can consider a non-listed species (e.g., plant with a CRPR of 1B.1) to be Endangered, Rare, or Threatened if the species can be shown to meet the criteria in the definition of Rare or Endangered. For the purposes of this discussion, the current scientific knowledge on the population size and distribution for each special status species was considered in determining if a non-listed species meets the definitions for Rare and Endangered according to Section 15380 of the CEQA Guidelines.

The actual and potential occurrence of these resources in the study area were correlated with the significance criteria listed in the next section in order to determine whether Project impacts on these resources would be considered significant.

Impact assessment results presented in this section for the Project as a whole, are divided into Phase 1 and Phases 2-3 in Appendix J, *Supplemental Letter Assigning Impacts and Mitigation for Phase 1 and Phases 2–4 for the Antelope Valley Commerce Center Project*.

4.2 SIGNIFICANCE CRITERIA

The environmental impacts relative to biological resources are assessed using impact significance criteria that mirror the policy contained in CEQA (*California Public Resources Code* §21001[c]). Accordingly, the State Legislature has established it to be the policy of the State to:

Prevent the elimination of fish or wildlife species due to man's activities, ensure that fish and wildlife populations do not drop below self-perpetuating levels, and preserve for future generations representations of all plant and animal communities.

Determining whether a project would have a significant effect plays a critical role in the CEQA process. According to Section 15064.7 of the CEQA Guidelines (Thresholds of Significance), each public agency is encouraged to develop and adopt—by ordinance, resolution, rule, or regulation—their own significance thresholds that the agency would use in determining the level of significance of environmental effects. A significance threshold defines the quantitative, qualitative, or performance limits of an environmental effect. If these thresholds are exceeded, the agency would consider the effect to be significant.

In the development of significance thresholds for impacts to biological resources, CEQA provides guidance primarily in Section 15065, Mandatory Findings of Significance, and Appendix G, the Environmental Checklist Form, of the CEQA Guidelines. Section 15065(a) states that a project may have a significant effect where:

The project has the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or wildlife community, reduce the number or restrict the range of an endangered, rare, or threatened species.

Appendix G of the CEQA Guidelines is more specific in addressing biological resources and encompasses a broader range of resources to be considered, including candidate, sensitive, or special status species; riparian habitat or other special status natural communities; federally protected wetlands; fish and wildlife movement corridors; local policies or ordinances protecting biological resources; and adopted Habitat Conservation Plans. These factors are considered through the checklist of questions answered during the Initial Study process used to determine a project's appropriate environmental documentation (i.e., Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report). Because these questions are derived from standards employed in other laws, regulations, and commonly used thresholds, it is reasonable to use these standards as a basis for defining significance thresholds in a CEQA document. For each of the thresholds identified below, the section of the CEQA Guidelines upon which the threshold is based has been provided. For the purpose of this analysis, impacts to biological resources are considered significant (before calculating the offsetting impacts of mitigation

measures [MMs]) if one or more of the following conditions would result from implementation of the Project:

1. The project has the potential to substantially degrade the quality of the environment (§15065[a]);
2. The project has the potential to substantially reduce the habitat of any fish or wildlife species (§15065[a]);
3. The project will cause fish or wildlife populations to drop below self-sustaining levels (§15065[a]);
4. The project will threaten to eliminate a plant or animal community (§15065[a]);
5. The project will reduce the number or restrict the range of an Endangered, Rare, or Threatened species (§15065[a])¹⁰;
6. The project has a substantial adverse effect, either directly or through habitat modifications, on any species identified as a Candidate or special status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS (Appendix G, IV[a]);
7. The project has a substantial adverse effect on any riparian habitat or other special status natural community identified in local or regional plans, policies, regulations, or by the CDFW or USFWS (Appendix G, IV[b]);
8. The project has a substantial adverse effect on State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means (Appendix G, IV[c]);
9. The project interferes substantially with the movement of any native or migratory fish or wildlife species, inhibits established native resident or migratory wildlife corridors, or impedes the use of native wildlife nursery sites (Appendix G, IV[d]);
10. The project conflicts with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance (Appendix G, IV[e]); or
11. The project conflicts with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State Habitat Conservation Plan (Appendix G, IV[f]).

In order to evaluate whether an impact on biological resources would result in a “substantial adverse effect,” both the resource itself and how that resource fits into a regional context must be considered. The Project’s regional setting includes the portion of the Mojave Desert encompassed by the USGS’ Palmdale, Lancaster East, Lancaster West, Alpine Butte, Littlerock, and Ritter Ridge 7.5-minute quadrangles. This generally extends north to Rosamond, east to 70th Street East, south to the north slope San Gabriel Mountains, and west to 70th Street West.

For impact analysis purposes, a “substantial adverse effect” is defined as the loss or harm of a magnitude which, based on current scientific data and knowledge, would (1) substantially diminish population numbers of a species or distribution of a habitat type within the region or (2) eliminate the functions and values of a biological resource in the region.

¹⁰ “Endangered” and “Threatened” species, as used in this threshold, are those listed by the USFWS and/or CDFW as Threatened or Endangered. Section 15380 of the CEQA Guidelines indicates that a lead agency can consider a non-listed species (e.g., plants with a CRPR of 1B.1) to be Endangered, Rare, or Threatened for the purposes of CEQA if the species can be shown to meet the criteria in the definition of “Rare” or “Endangered”. For the purposes of this discussion, the current scientific knowledge on the population size and distribution for each special status species was considered in determining if a non-listed species met the definitions for “Rare” and “Endangered” according to Section 15380 of the CEQA Guidelines.

4.3 DIRECT IMPACTS

The actual and potential occurrence of biological resources in the study area vicinity was correlated with the significance criteria described above to determine whether impacts from the Project on these resources would be significant. Potential direct impacts are described below.

4.3.1 Vegetation Types and Other Areas

Vegetation types and other areas that would be impacted by the Project are shown in Table 11 and Exhibit 7. These impacts are discussed in more detail below.

**TABLE 11
VEGETATION TYPES AND OTHER AREAS
IMPACTED BY THE PROJECT**

Vegetation Types and Other Areas	Existing (Acres)	Impacted (Acres)	Unimpacted (Acres)
disturbed big sagebrush - rubber rabbitbrush scrub	2.34	0.00	2.34
rubber rabbitbrush scrub	2.41	0.00	2.41
rubber rabbitbrush - Nevada ephedra scrub	21.73	21.73	0.00
rubber rabbitbrush - Nevada ephedra scrub/Joshua tree woodland	69.80	68.27	1.53
Nevada ephedra - cheesebush - Cooper's box thorn/Joshua tree woodland	19.01	0.00	19.01
creosote bush scrub	11.91	9.23	2.68
Joshua tree woodland	291.67	198.33	93.34
disturbed Joshua tree woodland	6.17	6.17	0.00
bare ground	8.74	3.76	4.98
Total	433.77	307.50	126.29
Note: total acreage may not equal the addition of each row above due to rounding of acreage within each row.			

The Project would impact 204.50 acres of Joshua tree woodland and disturbed Joshua tree woodland on the Project site. This vegetation type is ranked as G4, S3, and is considered sensitive by the CDFW (CDFW 2022c). Therefore, impacts to this vegetation type would be considered significant, and mitigation would be required.

The Project would impact all 21.73 acres of rubber rabbitbrush - Nevada ephedra scrub on the Project site. This vegetation type is not considered special status by CDFW and would not be considered locally rare. In addition, the acreage impacted is a relatively small percentage of the regional acreage of this vegetation type. Therefore, this impact is considered less than significant, and no mitigation would be required.

The Project would impact 68.27 acres of rubber rabbitbrush - Nevada ephedra scrub/Joshua tree woodland on the Project site. The rubber rabbitbrush - Nevada ephedra scrub vegetation type is not ranked by CDFW but would most closely conform to the *Ericameria nauseosa* Alliance which is not considered special status. The Joshua tree woodland portion of this vegetation type is ranked as G4, S3, and is considered sensitive by the CDFW (CDFW 2022c). For purposes of impact analysis, approximately half of this vegetation type would be considered sensitive. Impacts to this vegetation type (34.14 acres) would be considered significant, and mitigation would be required.

The Project would impact all 9.23 acres of creosote bush scrub on the Project site. This vegetation type is not considered special status by the CDFW. In addition, the acreage impacted is a relatively small percentage of the regional acreage of this vegetation type. Therefore, this impact is considered less than significant, and no mitigation would be required.

The Project would impact all 3.76 acres of bare ground on the Project site. Non-native vegetation types are not ranked by CDFW. In addition, the acreage impacted is a relatively small percentage of the regional acreage of this vegetation type. Therefore, this impact is considered less than significant, and no mitigation would be required.

4.3.2 Wildlife

To assess impacts on wildlife, the total impact on particular vegetation types that provide habitat for wildlife was assessed. The following discussion of wildlife impacts focuses on the common wildlife species occurring in the study area.

General Habitat and Wildlife Loss

Native and non-native vegetation provide valuable nesting, foraging, roosting, and denning opportunities for a variety of wildlife species. The Project would permanently impact approximately 303.74 acres of native vegetation types (Joshua tree woodland, disturbed Joshua tree woodland, rubber rabbitbrush – Nevada ephedra scrub, rubber rabbitbrush – Nevada ephedra scrub/Joshua tree woodland, and creosote bush scrub) and 3.76 acres of bare ground on the Project site. Removing or altering habitats on the Project site would likely result in the loss of small mammals, reptiles, amphibians, and other slow-moving wildlife that live in the Project's direct impact area. More mobile wildlife species that are now using the Project site would be forced to move into the remaining areas of open space, which would consequently increase competition for available resources in those areas. This situation would result in the loss of individuals that cannot successfully compete. The loss of native and non-native vegetation that provides wildlife habitat is considered an adverse impact. However, the loss of native and non-native habitat on the Project site would not be expected to reduce populations of common wildlife species below self-sustaining levels in the Project region. Although this impact would be considered adverse but less than significant, and no mitigation would be required, **MM BIO-1** is included to lessen adverse effects of common wildlife species by requiring a biological monitoring during vegetation removal to facilitate wildlife salvage.

Several common bird species have the potential to nest in the vegetation or on the ground on the Project site. The loss of an active migratory bird nest, including nests of common species, would be considered a violation of the MBTA and Sections 3503, 3503.5, and 3513 of *California Fish and Game Code*. The MBTA and *California Fish and Game Code* prohibits the taking of migratory birds, nests, and eggs. The potential loss of an active nest would be considered adverse but not significant because the impact does not meet the significance criteria identified above. However, **MM BIO-2** has been included to address the time frame in which construction could occur to avoid active nests and includes a requirement for pre-construction surveys and avoidance of active nests. Implementation of **MM BIO-2** would prevent the adverse impact and ensure that construction impacts would not violate the provisions of the MBTA and *California Fish and Game Code*.

Wildlife Movement

The Project site occurs in an area of largely developed land and along the heavily used Sierra Highway and Columbia Way. The Project site does not occur within a regional wildlife corridor. The Project would remove approximately 307.50 acres of habitat suitable for occupation and open space that wildlife currently moves through; however, it would not create a barrier to movement

because wildlife would be able to move around the Project site during construction and operation of the Project using adjacent areas of open space. Therefore, the impact on wildlife movement would be considered less than significant, and no mitigation would be required.

4.3.3 **Special Status Biological Resources**

Special Status Vegetation Types

Two special status vegetation type occurs in the survey area: Joshua tree woodland and disturbed Joshua tree woodland (Exhibits 4 and 7). Impacts on special status vegetation would be considered significant and mitigation would be required. In addition to Joshua tree woodland being a CDFW sensitive community, the western Joshua tree is currently listed as a California Candidate Threatened species (CDFW 2022b) and is regulated by the City of Palmdale (City of Palmdale 2022b). An Endangered Species Act Section 10(a)(1)(B) ITP, or an ITP issued by the State through the Joshua Tree Conservation Act, would be required for impacts to Joshua trees. **MM BIO-3**, which requires obtaining an ITP for impacts to the Joshua tree; and **MM BIO-4**, which requires compensatory mitigation for impacts to Joshua tree woodland, would lessen impacts on Joshua trees and Joshua tree woodland to less than significant levels. In addition, **MM BIO-1**, which requires a biological monitor during vegetation removal, is included to ensure no western Joshua trees are directly impacted outside the Project footprint (impact area).

Jurisdictional Resources

Based on the proposed project limits of disturbance as shown in Exhibit 7, the wash in the northwest corner of the property will be avoided so that no direct impacts to jurisdictional waters are expected; therefore, no mitigation would be required.

Special Status Plant Species

Two special status plant species as presented in Table 6 were observed during focused surveys: crowned muillia and western Joshua tree. One confirmed crowned muilla observation (one individual) was documented along the southern edge of the Project site. This location is not within the Project impact area (Exhibit 7). In addition, a population of approximately ten individuals in Themidaceae (Brodiaea) family were observed in the eastern portion of the site. This population of Themidaceae could not be identified to species at the time of the survey. This location is within the Project impact area (Exhibit 7). It can be concluded that the number of crowned muilla individuals occurring on the Project site is small. Additionally, several populations are known from the Project region; therefore, impacts on this species would be considered adverse but less than significant, and no mitigation would be required.

A total of 8,196 western Joshua trees, a California Candidate Threatened species (CDFW 2022b), were documented in the survey area. Of those documented, 3,379 are within the Project impact area (Exhibit 8). Impacts to the western Joshua tree would be considered significant and mitigation would be required. Implementation of **MMs BIO-1, BIO-3, and BIO-4** would reduce impacts to a less than significant level.

Tree Ordinance

Palmdale Municipal Code Ordinance No. 952, Chapter 14.04, Native Desert Vegetation Preservation, establishes regulations and standards to preserve desert vegetation in the City. This ordinance is designed to protect western Joshua trees and California Juniper trees in the City. The Ordinance was originally adopted in 1992 and was amended by Emergency Ordinance No. 1556 in 2020 in response to the California Fish and Game Commission's vote to list the western Joshua tree as a candidate species under the CESA.

Per the Native Desert Vegetation Ordinance, western Joshua Trees and California Juniper trees shall not be removed from any parcel of land unless a permit has been obtained from the City. Furthermore, any development proposal on a parcel of land containing native desert vegetation requires a Desert Vegetation Preservation Plan prepared in compliance with the Palmdale Municipal Code. No impacts to the California juniper are anticipated during construction (Exhibit 7). Impacts to 3,379 western Joshua trees are anticipated during Project implementation (Exhibit 8). Impacts to the western Joshua tree would be considered significant and mitigation would be required. Implementation of **MM BIO-5**, which requires the preparation of a Desert Vegetation Preservation Plan and the issuance of a City of Palmdale permit for California juniper and Joshua tree removal prior to Project impacts, would reduce impacts to a less than significant level. The City may elect to default mitigation requirements for impacts to Joshua tree to the CDFW if an ITP is issued.

Listing of the western Joshua tree under the CESA gives that species additional legal protections, such that any take of the species (including removal of western Joshua tree or similar actions) requires a permit from CDFW. Implementation of **MMs BIO-1, BIO-3, and BIO-4** would reduce impacts to a less than significant level.

Desert Native Plants Act

The Project would impact a total of nine cactus individuals protected by the California Desert Native Plants Act (CDNPA). These impacts are considered potentially significant and would require a permit from Los Angeles County. Implementation of **MM BIO-6** would reduce potential impacts to less than significant and ensure compliance with the CDNPA.

Special Status Wildlife Species

Thirty-two special status wildlife species have been reported from the study area vicinity. Suitable or potentially suitable or marginally suitable habitat for 17 of these species occurs on or adjacent to the Project site.

Eight special status raptor species have potential to forage throughout the Project site: Cooper's hawk (*Accipiter cooperii*), short-eared owl, long-eared owl (*Asio otus*), northern harrier (*Circus hudsonius*), burrowing owl, merlin (*Falco columbarius*), American peregrine falcon (*Falco peregrinus anatum*), and prairie falcon (*Falco mexicanus*). Potentially suitable foraging habitat occurs throughout the Project site. Approximately 307.50 acres of potentially suitable foraging habitat for these species would be permanently impacted. Impacts to raptor foraging habitat within the Project site would be considered adverse but less than significant because the Project would impact a limited amount of habitat relative to the amount of foraging habitat available in the region.

Of the eight raptors with potential to occur, one species, burrowing owl, has potential to nest on the Project site. Burrowing owl is considered to meet the definition of rare, Threatened, or Endangered in the Project region (i.e., Section 15380 of CEQA); therefore, the loss of active nests/burrows would be considered potentially significant. Additionally, nests of this species are protected by the MBTA and *California Fish and Game Code*. Implementation of **MM BIO-2** and **MM BIO-7** would reduce this impact to a less than significant level through measures that would avoid and minimize the potential for loss of an active nest/burrow and/or the direct mortality of individuals.

One special status bird species has low potential to occur for foraging but would not be expected to nest on the Project site: mountain plover (*Charadrius montanus*). The mountain plover occurs in the Project region only during winter. It most commonly winters in agricultural fields and disturbed areas (Allen et al. 2016). The Project site provides limited, marginal, potentially suitable habitat in the more disturbed areas. Approximately 6.17 acres of potentially suitable foraging

habitat (e.g., disturbed Joshua tree woodland) for mountain plover would be permanently impacted through Project implementation. This impact would be considered adverse but less than significant because the Project would impact a limited amount of habitat relative to the amount of habitat available for these species in the region. Therefore, no mitigation would be required for the loss of habitat.

Two additional special status bird species have potential to nest and forage on the Project site: loggerhead shrike, and LeConte's thrasher. LeConte's thrasher was observed on site and prefers to nest in large thorny shrubs in sandy substrate (Allen et al. 2016), which is available in species such as boxthorn shrubs (*Lyceum* spp.) throughout the site (except for bare ground). LeConte's thrasher may forage throughout the site. Loggerhead shrike was also observed on site. Potentially suitable nesting habitat for the Loggerhead shrike occurs in large shrubs and Joshua trees throughout the site (except for bare ground), and they may forage throughout the site. 307.50 acres of potentially suitable nesting and foraging habitat for LeConte's thrasher and loggerhead shrike would be permanently impacted through Project implementation. This impact would be considered adverse but less than significant because the Project would impact a limited amount of habitat relative to the amount of habitat available for these species in the region. Therefore, no mitigation would be required for the loss of habitat. However, active nests are protected by the MBTA and *California Fish and Game Code* and could be affected by adjacent construction activities. Implementation of **MM BIO-2** would ensure that measures are taken to avoid and minimize impacts on active nests.

Several bird species Los Angeles Audubon Society considers "at-risk" in the region may occur for foraging on the Project site (Allen et al. 2009). In addition to the species listed in Table 10, the Audubon "at-risk" species that have the potential to occur on the Project Site for foraging include the following: cactus wren, greater roadrunner, lesser nighthawk, mountain bluebird (wintering), vesper sparrow, western meadowlark, California towhee and black-throated sparrow. Species that may also breed on site include the cactus wren (old nests observed), greater roadrunner, California towhee, and lesser nighthawk (observed breeding). Although not recognized by State or federal agencies, the Los Angeles County Department of Regional Planning considers these species worthy of consideration as sensitive. Approximately 307.50 acres of foraging habitat for each species and 307.50 acres of breeding habitat for cactus wren, greater roadrunner, California towhee, and lesser nighthawk would be permanently impacted through Project implementation. This impact would be considered adverse but less than significant because the Project would impact a limited amount of habitat relative to the amount of habitat available for these species in the region. Therefore, no mitigation would be required for the loss of habitat. However, active nests are protected by the MBTA and *California Fish and Game Code* and could be affected by adjacent construction activities. Implementation of **MM BIO-2** would ensure that measures are taken to avoid and minimize impacts on active nests.

Three special status bat species have potential to forage throughout the Project site: pallid bat, Townsend's big-eared bat (*Corynorhinus townsendii*), and western mastiff bat. Approximately 307.50 acres of potentially suitable foraging habitat for these species would be permanently impacted within the Project site. These impacts would be considered adverse but less than significant because the Project would impact a limited amount of foraging habitat relative to the amount of foraging habitat available for these species in the region. Therefore, no mitigation would be required for the loss of foraging habitat.

Desert kit fox was observed on site and American badger may occur throughout the Project site and adjacent areas. The Project would impact 307.50 acres of potentially suitable habitat for these species. Additionally, vibration from construction equipment could cause burrows in adjacent habitat to collapse, potentially entombing individuals in their burrows. Individuals could also potentially move through the construction area and be hit by construction vehicles. The loss of

habitat would be considered adverse but less than significant because the Project would impact a limited amount of habitat relative to the amount of available for these species in the region. However, the desert kit fox is protected by *California Fish and Game Code*, which prohibits take of individuals of this species. While American badgers are not afforded the same protection under *California Fish and Game Code*, the measures to protect active desert kit fox dens can also be applied to protect active American badger dens; thus, this species is typically included in measures to protect active dens. **MM BIO-8** would include conditions that would avoid and minimize impacts on desert kit foxes and American badgers and active dens.

One special status reptile species may occur on the Project site: northern legless lizard. The northern legless lizard is found in moist areas underground. On the Project site, they may occur near the roots of large shrubs and Joshua trees where moisture content is highest. Approximately 303.74 acres of potentially suitable habitat (all areas but bare ground) for this species would be permanently impacted within the Project site. These impacts would be considered adverse but less than significant because the Project would impact a limited amount of habitat relative to the amount of habitat available for these species in the region. Therefore, no mitigation would be required. Although impacts would be less than significant, implementation of **MM BIO-1** requires biological monitoring during vegetation removal. The biological monitor would be responsible for wildlife salvage (relocation of individuals from the Project's impact footprint), including northern legless lizard individuals if encountered during clearing activities. This mitigation measure would lessen any potential adverse impacts to this species.

4.3.4 West Mojave Plan

While the Project site is located within the geographic boundaries of the West Mojave Plan (WM Plan), the Project would not be processed under the WM Plan because it is a private project and the WM Plan can only be used for projects on federal land. However, the Project would not interfere with any conservation areas designed by the WM Plan including Habitat Conservation Areas, Special Review Areas, critical habitat on Military Lands, existing Area of Critical Environmental Concern, or BLM Wilderness Area.

4.4 INDIRECT IMPACTS

Indirect impacts, often called "edge effects," are those that affect the quality of nearby wildlife habitat resulting from disturbance by construction (such as noise, night lighting, and human activity) and/or the long-term use of the Project site and utility alignment. It is anticipated that some indirect impacts may result from the Project construction and operation; these are described below.

4.4.1 Water Quality

Drainages in the vicinity of the Project could be impacted as a result of changes in water quality. During construction, runoff carrying excessive silt or petroleum residues from construction equipment could potentially impact water quality and, in turn, affect plant and wildlife species using habitat adjacent to the Project. These are potentially significant impacts. Implementation of **MM BIO 9**, which includes Best Management Practices that would reduce construction-related pollutants, would reduce this impact to a less than significant level.

4.4.2 Noise and Vibration

During active construction, temporary noise impacts have the potential to disrupt foraging, nesting, roosting, and/or denning activities for a variety of wildlife species. Construction noise could deter wildlife from using habitat adjacent to construction. This impact would be considered

adverse but less than significant because a substantial amount of similar habitat is present in the vicinity where the animals may disperse. Therefore, no mitigation would be required.

Following construction of the Project, the ambient noise levels adjacent to the Project site are expected to incrementally increase. Wildlife species stressed by noise may disperse from the habitat immediately adjacent to the Project site. This impact would be considered adverse but less than significant because it is expected to impact a limited area and a substantial amount of similar habitat remains in the adjacent areas where the animals may disperse. Therefore, no mitigation would be required.

Common and special status bird species have the potential to nest in habitat adjacent to the Project site. The loss of an active bird nest would be considered a violation of the MBTA and *California Fish and Game Code* (Sections 3503, 3503.5, and 3513). Implementation of **MM BIO-2** would ensure that construction impacts would not violate the provisions of the MBTA or *California Fish and Game Code* Sections 3503, 3503.5, and 3513 through project planning (i.e., construction schedule) and use of pre-construction surveys and measures to protect active nests.

4.4.3 Night Lighting

Night lighting may impact the behavioral patterns of nocturnal and crepuscular (i.e., active at dawn and dusk) wildlife adjacent to night lighting. Of greatest concern is the effect on small, ground-dwelling animals that use the darkness to hide from predators and/or owls, which are specialized night foragers. Due to the nature of the Project, it is expected to include substantial night lighting of the area immediately adjacent to the Project site. These additional light sources may negatively affect wildlife in the surrounding open space. This impact is potentially significant. Implementation of **MM BIO 10**, which requires that spillover of night light be limited to the extent practicable, would reduce this impact to a less than significant level.

4.4.4 Invasive Exotic Plant Species

Landscaping that includes the installation of non-native, invasive plant species (e.g., species listed in the California Invasive Plant Council's invasive plant inventory) can be detrimental to surrounding native habitat. Invasive species have the potential to spread into the surrounding natural open space and displace native species, hybridize with native species (thereby impacting the genetic integrity of the native species), alter biological communities, or alter ecosystem processes (e.g., tamarisk [*Tamarix* sp.] affects hydrology). This could degrade the quality of the adjacent vegetation, including vegetation communities that provide suitable habitat for special status species. If landscaping is included as part of the Project, this could be a potentially significant impact on adjacent habitat including Joshua tree woodland. Implementation of **MM BIO 11** would prohibit the use of non-native, invasive plant species in landscaping associated with the Project. This measure would reduce this potential impact to a less than significant level.

Construction activities create disturbance, which in turn provides a place for non-native weedy species to spread. Additionally, construction equipment can introduce non-native weed seeds to the area if equipment is not properly cleaned. Weeds from the construction may then spread to adjacent habitat areas, including adjacent Joshua tree woodland, which would degrade habitat quality for native species. In addition to the negative effects on habitat quality, non-native weeds can also increase the potential for large fires to spread. This impact would be considered potentially significant. **MM BIO 12** would require use of Best Management Practices associated with prevention of the spread of weed seeds to reduce this potential impact to a less than significant level.

4.4.5 Human Activity

Construction activities would increase the amount of human activity on the Project site. This increased human activity could potentially disrupt foraging, nesting, roosting, and/or denning activities for a variety of wildlife species. Increased human activity could deter wildlife from using habitat adjacent to construction. This impact would be considered adverse but less than significant because a substantial amount of similar habitat is present in the vicinity where the animals may disperse. Therefore, no mitigation would be required.

Common and special status bird species have the potential to nest in habitat adjacent to the Project site. Human activity in the vicinity of an active nest could result in the loss of an active bird nest. This would be considered a violation of the MBTA and *California Fish and Game Code* (Sections 3503, 3503.5, and 3513). Implementation of **MM BIO 2** would ensure that construction impacts resulting from increased human activity would not violate the provisions of the MBTA or *California Fish and Game Code* Sections 3503, 3503.5, and 3513 through the use of pre-construction surveys and measures to protect active nests.

Following construction of the Project, human activity adjacent to the Project site is not expected to increase; human activity is expected to be limited within the Project site (i.e., within the fenced limits of the constructed facility). Therefore, no mitigation would be required.

5.0 MITIGATION MEASURES

Implementation of the following measures are required for the Project and would avoid, minimize, or mitigate impacts on biological resources discussed above.

BIO 1 Avoidance and Minimization Measures to Avoid Incidental Take of Joshua Tree/Joshua Tree Woodland. For all vegetation removal activities, the Project Applicant shall retain a qualified Biologist to ensure that incidental construction impacts on Joshua trees and special status wildlife species are avoided or minimized. Responsibilities of the Construction Biological Monitor shall include the following:

- a. Attendance at the pre-construction tailboard meeting (i.e., on-site meeting prior to work activities) to ensure that timing and location of construction activities do not conflict with other mitigation requirements (e.g., seasonal surveys for nesting birds). The meeting shall be conducted with the Construction Contractor and other key construction personnel to describe the importance of restricting work to designated areas.
- b. Discussion with the Construction Contractor of procedures to minimize harm/harassment of wildlife that may be encountered during construction.
- c. Review/designation of the construction area with the Construction Contractor in accordance with the Final Grading Plan. Haul roads, access roads, and on-site staging and storage areas shall be sited in grading areas to minimize degradation of habitat adjacent to these areas. If activities outside these limits are necessary, they shall be evaluated by the Biologist to ensure no special status species or habitats will be affected.
- d. A field review that is conducted to stake designated construction limits (to be set by a Surveyor retained by the Project Applicant). Any construction activity areas immediately adjacent to Joshua tree woodland may be flagged or temporarily fenced by the Biological Monitor at his/her discretion.
- e. The Biologist shall relocate northern legless lizard to suitable habitat at a distance of greater than 300 feet from the Project impact area which would otherwise be destroyed or adversely affected by construction and/or site-preparation activities. All wildlife will be handled with clean sterile gloves and relocated in a timely manner to minimize stress to the individual.
- f. Submittal of a brief report to the City discussing any unapproved disturbances resulting in impacts to special status resources within 48 hours of the incident.

In addition, a Biological Monitor will be on site during all initial vegetation removal and will employ salvage methods to minimize direct impacts to common wildlife species associated with the Joshua tree woodland, a special status vegetation type. Where feasible, the Biological Monitor will attempt to ensure wildlife are out of potential direct impact. If a wildlife species is in harm's way and has not moved on its own, the Biologist will attempt to scare them away from the area. If wildlife does not move, and where feasible, the wildlife species will be relocated to suitable habitat.

BIO 2 Nesting Birds/Raptors. To avoid impacts on active nests for common and special status birds and raptors, the Project Applicant shall schedule vegetation clearing and blasting during the non-breeding season (i.e., September 16 to January 31) to the extent feasible. If Project timing requires that vegetation clearing occur

between February 1 and September 15, the Project Applicant or its designee shall retain a qualified Biologist to conduct a pre-construction survey for nesting birds and raptors. The pre-construction survey shall be conducted by a qualified Biologist within three days prior to vegetation clearing. The pre-construction nesting bird survey area shall include the Project impact area (i.e., disturbance footprint) plus a 250-foot buffer to search for nesting birds and a 500-foot buffer to search for nesting raptors. If no active nests are found, no further mitigation would be required.

If an active nest is located in the pre-construction nesting bird survey area, the Biologist shall delineate an appropriate buffer to protect the nest based on the sensitivity of the species. A protective buffer of 500 feet shall be used to protect nesting raptors. If appropriate, a smaller buffer may be considered (as determined by the Biologist) based on site topography, existing disturbance, sensitivity of the individuals (established by observing the individuals at the nest), and the type of construction activity. No construction activities shall be allowed in the designated buffer until the Biologist determines that nesting activity has ended. Construction may proceed within the buffer area once the Biologist determines that nesting activity has ceased (i.e., fledglings have left the nest or the nest has failed). The designated buffer will be clearly marked in the field and will be mapped as Environmentally Sensitive Areas (ESAs) on construction plans.

Prior to the initiation of construction activities, an email summary of the results shall be submitted to the City by the Project Applicant with a map of any active nests found and their designated buffers. Construction shall be allowed to proceed if standard buffer distances are employed for any active nests. The Biologist shall then prepare a formal Letter Report describing methods used, results of the survey, recommended buffers, and/or justification for buffer reductions. The Letter Report shall be submitted to the City within one week of completion of the survey. If an active nest is observed during the survey, the Letter Report shall include a map showing the designated protective buffer.

BIO 3 Take Permits. Prior to the issuance of grading or building permits, the Project Applicant shall obtain a CESA Section 2081 Incidental Take Permit (ITP) or a Joshua Tree Conservation Act ITP from the CDFW allowing impacts to western Joshua tree, a State Candidate species. Compensatory mitigation for impacts on Joshua tree woodland are described in **MM BIO 4**. If regulatory status changes at any point prior to impacts, and the species is no longer designated as a State Candidate for listing or a State listed species, an ITP would no longer be required.

BIO 4 Joshua Tree Woodland. The Project Applicant shall provide mitigation for permanently impacting 238.64 acres of Joshua tree woodland and disturbed Joshua tree woodland. The goal of this mitigation is to ensure no net loss of habitat following implementation of the Project. Mitigation ratios (i.e., the amount of mitigation acreage compared to the amount of impacted habitat) shall be negotiated with the resource agencies but shall be no less than 1:1, replacing each acre of habitat lost with of one acre of equivalent or higher quality habitat. This mitigation may be in the form of habitat preservation, restoration, enhancement, and/or establishment (i.e., creation), or an in-lieu fee program, discussed below. The Project Applicant shall implement one or a combination of these options, as approved by CDFW in the permit described in **MM BIO 3**. Successful implementation of **MM BIO 3** shall eliminate the requirements of **MM BIO 4**.

1. Preservation consists of acquisition of mitigation lands containing viable occurrences of the species, or that enhance the sustainability of the occurrences by protecting buffer lands and protecting those occurrences in perpetuity under a conservation easement or an in-lieu fee program that is transferred to a qualified land trust or public agency.
2. Restoration consists of the re-establishment or rehabilitation of mitigation land with the goal of returning natural or historic functions and characteristics. Restoration may result in a gain in habitat function, acreage, or both.
3. Enhancement consists of activities that heighten, intensify, or improve one or more habitat functions. Enhancement results in a gain in habitat function but does not result in a net gain in habitat acreage.
4. Establishment consists of the development of habitat in an area where it did not previously exist through manipulation of the physical, chemical, and/or biological characteristics of the site.

Compensatory mitigation may be in the form of permittee-responsible mitigation, in which the permittee maintains liability for the construction and long-term success of the mitigation site or through mitigation banking/in-lieu fee program, where liability for Project success is transferred to a third party (i.e., a mitigation bank/in-lieu fee sponsor). If the Project Applicant elects to provide mitigation through mitigation banking/in-lieu fee program, the mitigation bank/program shall be selected by the Project Applicant and approved by CDFW and payment shall be made prior to the issuance of grading or building permits. The Joshua Tree Conservation Act ITP process establishes an in-lieu fee program directly with CDFW (See **MM BIO 3**).

For permittee-responsible mitigation involving establishment, restoration, or enhancement of habitat, the Project Applicant shall retain a qualified Biologist to prepare a Habitat Mitigation Monitoring Plan (HMMP) to mitigate for loss Joshua tree woodland habitat. The HMMP shall be reviewed/approved by the CDFW prior to issuance of grading or building permits. The detailed HMMP shall contain the following items:

1. **Responsibilities and Qualifications of the Personnel to Implement and Supervise the Plan.** The responsibilities of the Project Applicant or its designee, specialists, and maintenance personnel, as well as the qualifications of specialists and maintenance personnel that will supervise and implement the plan, will be specified.
2. **Site Selection.** Site selection for restoration, establishment, enhancement, and/or preservation mitigation shall be determined in coordination with the Project Applicant, or its designee, and resource agencies. The mitigation site(s) shall be located in a dedicated open space area or on land that shall be dedicated and/or purchased off site.
3. **Site Preparation and Planting Implementation.** Site preparation shall include the following, as determined by specific site conditions and permit requirements: protection of existing native species, trash and weed removal, native species salvage and reuse (i.e., duff), soil treatments (i.e., imprinting, decompacting), temporary irrigation installation, erosion-control measures (i.e., rice or willow wattles), seed mix application, and container species.
4. **Schedule.** A schedule that requires planting to occur between October 1 and March 1 shall be developed.

5. **Maintenance Plan/Guidelines.** The maintenance plan shall include the following, as determined by specific site conditions and permit requirements: weed control, herbivory control, trash removal, irrigation system maintenance, maintenance training, and replacement planting.
6. **Monitoring Plan.** The site shall be monitored and maintained for a minimum of five years to ensure successful establishment of riparian habitat within the restored and created areas. The monitoring plan shall include qualitative monitoring (i.e., photographs and general observations); quantitative monitoring (e.g., randomly placed transects); performance criteria, as approved by the resource agencies; and monthly reports for the first year with quarterly reports thereafter and annual reports for all five years.
7. **Long-Term Preservation.** Long-term preservation of the site shall be outlined in the restoration and enhancement plan to ensure the mitigation site is not impacted by future development.

Although monitoring plans are typically scheduled for five years, if performance standards are successfully met prior to five years, the Project Applicant may request to be released from remaining monitoring requirements by CDFW.

BIO 5 City of Palmdale Tree Permit. Per the City of Palmdale Emergency Ordinance No. 1556, a City approved Biologist shall prepare a Desert Vegetation Preservation Plan and the City shall issue a permit for Joshua tree removal prior to Project impacts. The City may defer to a CDFW ITP (See **MM BIO 3**), with no additional requirements, if one is issued for the project.

BIO 6 California Desert Native Plant Harvesting Permits. Prior to the initiation of construction, the Project Applicant shall obtain the necessary permits, tags, and/or seals, and shall pay the appropriate fees for removal of any individuals of a species protected by the *California Desert Native Plant Protection Act*. This includes nine silver cholla.

BIO 7 Burrowing Owl Pre-Construction Survey. Per the *Staff Report on Burrowing Owl Mitigation* (CDFG 2012), the Project Applicant shall retain a qualified Biologist to conduct a pre-construction survey for the burrowing owl no less than 14 days prior to any ground disturbance by the Project and no greater than 30 days prior to ground disturbance in each Project area. The pre-construction survey shall include the area of proposed disturbance plus a 500-foot buffer (if access is available).

If an active burrow is observed outside the breeding season (i.e., September 1 to January 31) and it cannot be avoided, the burrowing owl shall be passively excluded from the burrow following methods described in CDFG 2012. One-way doors shall be used to exclude owls from the burrows; doors shall be left in place for at least 48 hours. Once the burrow is determined to be unoccupied, as verified by site monitoring, the burrow shall be closed by a qualified Biologist who shall excavate the burrow using hand tools. Prior to excluding an owl from an active burrow, a receptor burrow survey shall be conducted to confirm that at least two potentially suitable unoccupied burrows are within approximately 688 feet prior to installation of the one-way door. If two natural receptor burrows are not located, one artificial burrow shall be created for every burrow that would be closed.

If an active burrow is observed outside the breeding season (i.e., September 1 to January 31) and it can be avoided, the Biologist shall determine an appropriate

protective buffer for the burrow based on CDFW guidelines. The buffer shall range from 160 feet to 1,640 feet depending on the level of impact and the time of year (See Table below). The designated buffer will be clearly marked in the field and will be mapped as an ESA on construction plans. The Project Applicant or its designee shall contact CDFW to determine whether a reduced buffer can be accommodated without adversely impacting occupied burrows.

If an active burrow is observed during the breeding season (i.e., February 1 to August 31), the active burrow shall be protected until nesting activity has ended (i.e., all young have fledged from the burrow). The Biologist shall determine the appropriate protective buffer for the burrow based on CDFW guidelines. The buffer shall range from 650 to 1,640 feet depending on the level of impact and the time of year (See Table below). The designated buffer will be clearly marked in the field and will be mapped as an ESA on construction plans. The Project Applicant or its designee shall contact CDFW to determine whether a reduced buffer can be accommodated without adversely impacting occupied burrows. Construction shall be allowed to proceed when the qualified Biologist has determined that all fledglings have left the nest. Compensatory mitigation for the loss of foraging habitat shall be satisfied with implementation of MM BIO 6.

BURROWING OWL PROTECTIVE BUFFER SIZES

	Time of Year	Level of Disturbance		
		Low	Medium	High
Nesting sites	April 1 to August 15	656 feet (200 meters)	1,640 feet (500 meters)	1,640 feet (500 meters)
Nesting sites	August 16 to October 15	656 feet (200 meters)	656 feet (200 meters)	1,640 feet (500 meters)
Nesting sites	October 16 to March 31	164 feet (50 meters)	328 feet (100 meters)	1,640 feet (500 meters)

Upon completion of the pre-construction burrowing owl survey, a Letter Report shall be prepared and submitted to CDFW documenting the results of the survey within two weeks of completion of the survey effort. If an active burrow is observed, the Letter Report shall include a description of the protective buffer that has been designated and a summary of any additional correspondence with the CDFW.

If time lapses of greater than 30 days occur during construction in a particular portion of the work area, an additional survey shall be conducted by a qualified Biologist within 24 hours prior to vegetation clearing and/or ground disturbance in that area. If any new burrowing owl burrows are observed, the conditions above shall be applied.

BIO 8

Desert Kit Fox/American Badger Burrows. The Project Applicant shall retain a qualified Biologist to conduct a pre-construction burrow survey for desert kit fox and American badger no less than 14 days and no more than 30 days prior to initiation of ground disturbance/construction activities. Ideally, this survey shall be conducted outside the breeding season (i.e., February 1 to September 15) to allow for passive exclusion, if necessary. The pre-construction survey shall include the Project site plus a 200-foot buffer (if access is available). If no active burrows are found, no further mitigation would be required.

If an active burrow is observed outside the breeding season (i.e., September 16 to January 31) and it cannot be avoided, the burrow shall be closed using passive exclusion. One-way doors shall be used to exclude American badgers from their burrows; doors shall be left in place for at least five nights. Progressive soil blocking shall be used to discourage use by desert kit fox. Once the burrow is determined to be unoccupied (i.e., not used for five nights), as verified by site monitoring (e.g., wildlife cameras), the burrow shall be closed by a qualified Biologist who shall excavate the burrow using hand tools.

If an active burrow is observed outside the breeding season (i.e., September 16 to January 31) and it can be avoided, a 50-foot protective buffer shall be delineated around the burrow. The designated buffer will be clearly marked in the field and will be mapped as an ESA on construction plans. The Project Applicant shall consult with CDFW to determine whether a reduced buffer can be accommodated without adversely impacting occupied burrows.

If an active den is observed during the breeding season (i.e., February 1 to September 15), the active den shall be protected with a 100-foot buffer until breeding activity has ended. The designated buffer will be clearly marked in the field and will be mapped as an ESA on construction plans. The Project Applicant shall contact CDFW to determine whether a reduced buffer can be accommodated without adversely impacting the occupied den. Construction shall be allowed to proceed when the qualified Biologist has determined that the burrow is no longer active based on site monitoring (i.e., no activity has been observed at the burrow for five nights).

Upon completion of the pre-construction burrow survey, a Letter Report shall be prepared and submitted to CDFW documenting the results of the survey within two weeks of completing the survey effort. If an active burrow/den is observed, the Letter Report shall include a description of the protective buffer that has been designated and a summary of any additional correspondence with the CDFW.

BIO 9

Best Management Practices. The Project Applicant shall incorporate Best Management Practices (BMPs), including applicable measures required through the National Pollutant Discharge Elimination System (NPDES) requirements, to ensure that the quantity and quality of runoff discharged by Project activities does not adversely affect the Project area. In particular, BMPs shall be designed to prevent (to the extent feasible) the runoff of toxins, chemicals, petroleum products, or other elements that might degrade water quality. Additionally, BMPs shall be used to minimize erosion.

The areas where stockpiling can occur shall be selected in consultation with the monitoring Biologist. Spoils shall be stockpiled in disturbed areas lacking native vegetation. The Construction Contractor shall clearly mark stockpile areas to define the limits where stockpiling can occur.

The Construction Contractor shall designate an area for vehicle maintenance that is not within or adjacent to drainages or native vegetation. Fueling and maintenance of equipment shall take place within the vehicle maintenance area. Impervious ground surfaces or plastic covering shall be used to prevent spillage or leakage onto the ground surface. Any spilled hazardous materials shall be immediately cleaned and hazardous materials properly disposed of. Construction Contractor equipment shall be checked for leaks prior to operation and repaired as necessary.

- BIO 10** **Night Lighting.** The Project Applicant or its designee shall ensure that night lighting shall be directed away from open space areas and shielding shall be incorporated in the final Project design to minimize spillover of night lighting into adjacent open space to the greatest extent practicable. Any such light fixtures installed adjacent to open space areas shall direct/reflect light downward and away from adjacent habitat areas.
- BIO 11** **Landscaping.** The Project Applicant or its designee shall retain a qualified Biologist to review the landscaping plan to ensure that any landscaping component of the Project does not include the planting of exotic, invasive species that would potentially degrade the quality of the surrounding natural open space. A list of potential landscaping plant species shall be submitted to the Biologist for review; the Biologist shall ensure that exotic plant species known to be invasive (e.g., those on the California Invasive Plant Council's [Cal-IPC's] invasive plant inventory) are not included on the list. The Biologist shall make recommendations for more suitable plant species if necessary. Once a final plant palette is prepared, landscaping installed in the development area shall include only species on the approved palette.
- BIO 12** **Prevention of the Spread of Weed Seeds.** The introduction of exotic plant species shall be avoided and minimized to the extent practicable. Weed seeds entering the construction area via vehicles shall be minimized by requiring construction vehicles to be washed prior to delivery to the Project site. Track-clean or other methods of vehicle cleaning shall be used by the Construction Contractor to prevent weed seeds from entering/exiting the construction areas on vehicles. Additionally, wattles used for erosion control shall be certified as weed-free.

6.0 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Implementation of the recommended measures will mitigate biological impacts to a level that is considered less than significant.

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APPENDIX A
REPRESENTATIVE PHOTOGRAPHS



Joshua Tree habitat showing both young and older mature Joshua Trees. Photo facing 250° West from Northeast corner of Project site.



Trash dump in disturbed Joshua Tree habitat. Photo facing 254° West from East side of Project site.

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-1





Photo showing patch of clonal Joshua Trees. Photo facing 68° East from East side of Project site.



Trash dump in disturbed Joshua Tree habitat. Photo facing 264° West from East side of Project site.

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-2





Photo showing disturbed conditions of Project site. Photo facing 49° Northeast from East side of Project site.



Photo showing disturbed conditions of Project site. Photo facing 185° South from East side of Project site.

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-3





Photo showing disturbed conditions of Project site. Photo facing 279° West from East side of Project site.



Showing the condition of the access road. Photo facing 26° North from East side of Project site.

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-4





Photo showing disturbed conditions of Project site and sparseness of Joshua Trees. Photo facing 202° South from East side of Project site.



Showing a density gradient from a sparse amount to an abundance of Joshua Trees. Photo facing 240° Southwest from middle of project site along the

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-5





Photo showing heavily disturbed site conditions. Photo facing 346° North from middle of project site along the access road.



Joshua Tree habitat bordering Sierra Highway. Photo facing 349° North from West side of the Project site.

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-6





Photo showing access road plus the fenced off property to the south of the Project site. Photo facing 77° East from Southwest corner of the Project site.



Showing young colony of Joshua Trees. Photo facing 15° North from Southwest corner of the Project site.

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-7





Showing a high density of Joshua Trees as well as a large clonal colony in the background. Photo facing 02° North from South side of the Project site.



Creosote understory on East side of Project site. Photo facing 324° Northwest from the Southeast corner of the Project site.

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-8



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Showing disturbed Joshua Tree woodland along access road. Photo facing 342° North from the East side of the Project site.



Photo showing sparse Joshua Tree woodland. Photo facing 29° North from the West side of the Project site.

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-9





Showing disturbed site conditions amid sparse Joshua Tree Habitat. Photo facing 83° East from the Northwest corner of the Project site.



Showing sparse Joshua Tree habitat along Sierra Highway. Photo facing 180° South from the Northwest corner of the Project site.

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-10





Photo showing a density gradient for Joshua Trees across the Project site.
Photo facing 230° Southwest from the Northeast corner of the Project site.

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Representative Site Photographs

Antelope Valley Commerce Center Project

Attachment A-11



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APPENDIX B
PLANT AND WILDLIFE COMPENDIA

PLANT SPECIES OBSERVED DURING SURVEYS

Species		Special Status
Scientific Name	Common Name	
GYMNOSPERMS		
CUPRESSACEAE – CYPRESS FAMILY		
<i>Juniperus californica</i>	California juniper	
EPHEDRACEAE – EPHEDRA FAMILY		
<i>Ephedra nevadensis</i>	Nevada ephedra	
EUDICOTS		
APIACEAE – CARROT FAMILY		
<i>Lomatium mohavense</i>	Mojave lomatium	
ASTERACEAE – SUNFLOWER FAMILY		
<i>Acamptopappus sphaerocephalus</i>	rayless goldenhead	
<i>Ambrosia acanthicarpa</i>	annual bur-sage	
<i>Ambrosia dumosa</i>	white bur-sage	
<i>Ambrosia salsola</i>	common burrobrush	
<i>Artemisia tridentata</i>	big sagebrush	
<i>Chaenactis fremontii</i>	Fremont pincushion	
<i>Chaenactis xantiana</i>	fleshy pincushion	
<i>Ericameria nauseosa</i>	rubber rabbitbrush	
<i>Eriophyllum pringlei</i>	Pringle's woolly sunflower	
<i>Eriophyllum wallacei</i>	Wallace's woolly sunflower	
<i>Lasthenia gracilis</i>	common goldfields	
<i>Layia glandulosa</i>	white layia	
<i>Leptosyne</i> sp.	tickseed	
<i>Malacothrix coulteri</i>	snake's-head	
<i>Malacothrix glabrata</i>	desert dandelion	
<i>Stephanomeria exigua</i> ssp. <i>exigua</i>	little stephanomeria	
<i>Stephanomeria pauciflora</i>	wire-lettuce	
<i>Stylocline gnaphaloides</i>	everlasting neststraw	
<i>Tetradymia axillaris</i>	axillary cottonthorn	
<i>Tetradymia stenolepis</i>	narrow-scaled cottonthorn	
<i>Uropappus lindleyi</i>	Lindley's silverpuffs	
BORAGINACEAE – BORAGE FAMILY		
<i>Amsinckia tessellata</i>	tessellated fiddleneck	
<i>Cryptantha circumscissa</i> var. <i>circumscissa</i>	cushion cryptantha	
<i>Cryptantha micrantha</i> var. <i>micrantha</i>	red-root cryptantha	
<i>Cryptantha</i> sp.	cryptantha	
<i>Nama demissum</i>	weak purple mat	
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	narrow-toothed pectocarya	
<i>Pectocarya penicillata</i>	northern pectocarya	
<i>Phacelia distans</i>	distant phacelia	
<i>Phacelia fremontii</i>	Fremont's phacelia	
<i>Plagiobothrys arizonicus</i>	Arizona popcornflower	
<i>Tiquilia nuttallii</i>	annual tiquilia	

PLANT SPECIES OBSERVED DURING SURVEYS

Species		Special Status
Scientific Name	Common Name	
BRASSICACEAE – MUSTARD FAMILY		
<i>Caulanthus lasiophyllus</i>	California mustard	
<i>Descurainia sophia</i> *	wise tansy mustard	
<i>Sisymbrium irio</i> *	London rocket	
<i>Tropidocarpum gracile</i>	slender tropidocarpum	
CACTACEAE – CACTUS FAMILY		
<i>Cylindropuntia echinocarpa</i>	silver cholla	
CARYOPHYLLACEAE – PINK FAMILY		
<i>Loeflingia squarrosa</i>	spreading pygmyleaf	
CHENOPODIACEAE – GOOSEFOOT FAMILY		
<i>Atriplex canescens</i>	four-wing saltbush	
<i>Grayia spinosa</i>	thorny hop-sage	
<i>Krascheninnikovia lanata</i>	winter fat	
EUPHORBIACEAE – SPURGE FAMILY		
<i>Croton setiger</i>	turkey-mullein	
<i>Euphorbia albomarginata</i>	rattlesnake sandmat	
<i>Stillingia paucidentata</i>	few-toothed stillingia	
FABACEAE – LEGUME FAMILY		
<i>Acmispon sp.</i>	deervetch	
<i>Astragalus cf. lentiginosus</i>	freckled milkvetch	
<i>Lupinus sp.</i>	lupine	
GERANIACEAE – GERANIUM FAMILY		
<i>Erodium cicutarium</i> *	redstem filaree	
LAMIACEAE – MINT FAMILY		
<i>Monardella exilis</i>	small monardella	
<i>Salvia carduacea</i>	thistle sage	
<i>Scutellaria mexicana</i>	bladder-sage	
<i>Trichostema lanceolatum</i>	vinegar weed	
LOASACEAE – BLAZING STAR FAMILY		
<i>Mentzelia albicaulis</i>	white-stemmed blazing star	
MALVACEAE – MALLOW FAMILY		
<i>Eremalche exilis</i>	white mallow	
MONTIACEAE – MINER'S-LETTUCE FAMILY		
<i>Calyptidium monandrum</i>	one-stamened pussypaws	
NYCTAGINACEAE – FOUR O'CLOCK FAMILY		
<i>Abronia pogonantha</i>	beard-flowered sand-verbena	
<i>Mirabilis laevis</i>	smooth four o'clock	
ONAGRACEAE – EVENING PRIMROSE FAMILY		
<i>Camissonia campestris ssp. campestris</i>	field sun cup	
<i>Camissonia sp.</i>	sun cup	
<i>Camissoniopsis pallida ssp. pallida</i>	pallid camissoniopsis	
<i>Oenothera deltoides</i>	devil's lantern	
<i>Oenothera sp.</i>	evening-primrose	
PAPAVERACEAE – POPPY FAMILY		
<i>Eschscholzia minutiflora</i>	minute-flowered eschscholzia	

PLANT SPECIES OBSERVED DURING SURVEYS

Species		Special Status
Scientific Name	Common Name	
POLEMONIACEAE – PHLOX FAMILY		
<i>Eriastrum saphirinum</i>	sapphire eriastrum	
<i>Eriastrum sp.</i>	eriastrum	
<i>Gilia sp.</i>	gilia	
<i>Leptosiphon aureus ssp. aureus</i>	golden leptosiphon	
<i>Linanthus parryae</i>	Parry's linanthus	
<i>Loeseliastrum matthewsii</i>	desert calico	
POLYGONACEAE – BUCKWHEAT FAMILY		
<i>Centrostegia thurberi</i>	red triangles	
<i>Chorizanthe brevicornu</i>	brittle spineflower	
<i>Chorizanthe watsonii</i>	Watson's spineflower	
<i>Eriogonum brachyanthum</i>	short-flower wild buckwheat	
<i>Eriogonum gracillimum</i>	rose-and-white wild buckwheat	
<i>Eriogonum mohavense</i>	western Mojave wild buckwheat	
<i>Eriogonum viridescens</i>	two-toothed wild buckwheat	
<i>Rumex hymenosepalus</i>	canaigre	
SOLANACEAE – NIGHTSHADE FAMILY		
<i>Lycium andersonii</i>	Anderson's box-thorn	
<i>Lycium cooperi</i>	Cooper's box-thorn	
ZYGOPHYLLACEAE – CALTROP FAMILY		
<i>Larrea tridentata</i>	creosote bush	
MONOCOTS		
AGAVACEAE – AGAVE FAMILY		
<i>Yucca brevifolia</i>	western Joshua tree	SC
POACEAE – GRASS FAMILY		
<i>Bromus rubens*</i>	red brome	
<i>Bromus tectorum*</i>	cheat grass	
<i>Schismus barbatus*</i>	barbed Mediterranean grass	
<i>Stipa hymenoides</i>	sand rice grass	
<i>Stipa speciosa</i>	desert needle grass	
THEMIDACEAE – BRODIAEA FAMILY		
<i>Dipterostemon capitatus</i>	blue dicks	
<i>Muilla coronata</i>	crowned muilla	CRPR 4.2
* Non-native or invasive species		
State (CDFW)		
SC State Candidate for Listing		
CRPR Threat Code Extensions		
4 Plants of limited distribution - watch list		
.2 Moderately threatened in California (20–80% of occurrences threatened; moderate degree and immediacy of threat)		

WILDLIFE SPECIES OBSERVED DURING SURVEYS

Species		Special Status
Scientific Name	Common Name	
LIZARDS		
IGUANIDAE – IGUANID LIZARD FAMILY		
<i>Gambelia wislizenii</i>	long-nosed leopard lizard	
PHRYNOSOMATIDAE – SPINY LIZARD FAMILY		
<i>Sceloporus magister</i>	desert spiny lizard	
<i>Sceloporus occidentalis</i>	western fence lizard	
<i>Sceloporus uniformis</i>	yellow-backed spiny lizard	
<i>Uta stansburiana</i>	common side-blotched lizard	
XANTUSIIDAE – NIGHT LIZARD FAMILY		
<i>Xantusia vigilis</i>	desert night lizard	
TEIIDAE – WHIPTAIL LIZARD FAMILY		
<i>Aspidoscelis tigris tigris</i>	Great Basin whiptail	
SNAKES		
COLUBRIDAE – COLUBRID SNAKE FAMILY		
<i>Masticophis flagellum</i>	coachwhip	
<i>Pituophis catenifer</i>	gophersnake	
VIPERIDAE – VIPER AND PITVIPER FAMILY		
<i>Crotalus scutulatus scutulatus</i>	northern Mohave rattlesnake	
BIRDS		
ANATIDAE – SWAN, GOOSE, AND DUCK FAMILY		
<i>Branta bernicla</i>	Brant	SSC
ODONTOPHORIDAE – NEW WORLD QUAIL FAMILY		
<i>Callipepla californica</i>	California quail	
COLUMBIDAE – PIGEON AND DOVE FAMILY		
<i>Streptopelia decaocto*</i>	Eurasian collared-dove	
<i>Zenaida macroura</i>	mourning dove	
CAPRIMULGIDAE – NIGHTJAR FAMILY		
<i>Chordeiles minor</i>	common nighthawk	
APODIDAE – SWIFT FAMILY		
<i>Chaetura vauxi</i>	Vaux's swift	SSC
ACCIPITRIDAE – HAWK FAMILY		
<i>Accipiter striatus</i>	sharp-shinned hawk	
<i>Buteo jamaicensis</i>	red-tailed hawk	
STRIGIDAE – TYPICAL OWL FAMILY		
<i>Asio flammeus</i>	short-eared owl	SSC
PICIDAE – WOODPECKER FAMILY		
<i>Picoides scalaris</i>	ladder-backed woodpecker	
TYRANNIDAE – TYRANT FLYCATCHER FAMILY		
<i>Sayornis saya</i>	Say's phoebe	
<i>Myiarchus cinerascens</i>	ash-throated flycatcher	
<i>Tyrannus vociferans</i>	Cassin's kingbird	
<i>Tyrannus verticalis</i>	western kingbird	
LANIIDAE – SHRIKE FAMILY		
<i>Lanius ludovicianus</i>	loggerhead shrike	SSC

WILDLIFE SPECIES OBSERVED DURING SURVEYS

Species		Special Status
Scientific Name	Common Name	
CORVIDAE – JAY AND CROW FAMILY		
<i>Corvus brachyrhynchos</i>	American crow	
<i>Corvus corax</i>	common raven	
ALAUDIDAE – LARK FAMILY		
<i>Eremophila alpestris</i>	horned lark	
HIRUNDINIDAE – SWALLOW FAMILY		
<i>Petrochelidon pyrrhonota</i>	cliff swallow	
TROGLODYTIDAE – WREN FAMILY		
<i>Campylorhynchus brunneicapillus</i>	cactus wren	
MIMIDAE – MOCKINGBIRD AND THRASHER FAMILY		
<i>Toxostoma lecontei</i>	LeConte's thrasher	SSC
<i>Mimus polyglottos</i>	northern mockingbird	
STURNIDAE – STARLING FAMILY		
<i>Sturnus vulgaris</i> *	European starling*	
FRINGILLIDAE – FINCH FAMILY		
<i>Haemorhous mexicanus</i>	house finch	
PASSERELLIDAE – NEW WORLD SPARROW FAMILY		
<i>Amphispiza bilineata</i>	black-throated sparrow	
<i>Chondestes grammacus</i>	lark sparrow	
<i>Zonotrichia leucophrys</i>	white-crowned sparrow	
<i>Artemisiospiza belli</i>	Bell's sparrow	
PARULIDAE – WOOD-WARBLER FAMILY		
<i>Setophaga coronata</i>	yellow-rumped warbler	
MAMMALS		
SCIURIDAE – SQUIRREL FAMILY		
<i>Ammospermophilus leucurus</i>	white-tailed antelope squirrel	
<i>Otospermophilus beecheyi</i>	California ground squirrel	
HETEROMYIDAE – POCKET MOUSE AND KANGAROO RAT FAMILY		
<i>Dipodomys merriami</i>	Merriam's kangaroo rat	
<i>Dipodomys panamintinus</i>	Panamint kangaroo rat	
CRICETIDAE – NEW WORLD RATS AND MICE FAMILY		
<i>Onychomys torridus</i>	southern grasshopper mouse	
<i>Peromyscus maniculatus</i>	deer mouse	
LEPORIDAE – HARE AND RABBIT FAMILY		
<i>Lepus californicus</i>	black-tailed jackrabbit	
FELIDAE – CAT FAMILY		
<i>Lynx rufus</i>	bobcat	
CANIDAE – CANID FAMILY		
<i>Vulpes macrotis</i>	kit fox	
* non-native species		
Species Status:		
State (CDFW)		
SSC Species of Special Concern		

APPENDIX C

SPECIAL STATUS PLANT SURVEY REPORT

September 27, 2022

Connie Anderson
T&B Planning, Inc
Director of New Business Services/Project Manager
3200 El Camino Real, Suite 100
Irvine, California 92602

VIA EMAIL
canderson@tbplanning.com

Subject: Results of the Focused Special Status Plant/Desert Native Plant Survey Conducted for the Antelope Valley Commerce Center Project in the City of Palmdale, Los Angeles County, California

Dear Ms. Anderson:

This Letter Report presents the findings of special status plant/desert native plant surveys conducted for the Antelope Valley Commerce Center Project located in the City of Palmdale, Los Angeles County, California (Exhibit 1).

PROJECT LOCATION

The proposed Project is located on approximately 400-acres in the southern portion of the Antelope Valley in the City of Palmdale. The Project site is situated south of Columbia Way, east of Sierra Hwy and the Pacific Union railroad alignment, north of Avenue M-12, and west of 15th Street E (Exhibit 1). The Project site is located on the Lancaster East U.S. Geologic Survey (USGS) 7.5-minute quadrangle map (Exhibit 2).

METHODS

Botanical surveys were floristic in nature and consistent with the protocols created by the California Department of Fish and Wildlife (CDFW) (CDFW 2018). The purpose of the survey was to document all special status plant species including those plant and tree species regulated by the City of Palmdale Urgency Ordinance Amending Chapter 14.04 of the Palmdale Municipal Code (Joshua Tree and Native Desert Vegetation Preservation) and the California Desert Native Plants Act and Native Desert Vegetation Preservation Ordinance (Sections 14.04.010-14.04.120). Prior to the field surveys, a literature search was conducted to identify special status plant species reported from the vicinity of the proposed Project site. Sources reviewed include the USGS for Palmdale, Lancaster East, Lancaster West, Alpine Butte, Littlerock, and Ritter Ridge 7.5-minute quadrangles in the California Native Plant Society's Locational Inventory of Rare and Endangered Vascular Plants of California (CNPS 2022) and the CDFW's California Natural Diversity Database (CDFW 2022).

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Connie Anderson
 September 27, 2022
 Page 2

Plants regulated by the City of Palmdale and the California Desert Native Plants Act include the following:

- *Juniperus californica* (California juniper);
- All species of Burseraceae family (elephant tree);
- *Carnegiea gigantea* (sahuaro cactus);
- *Ferocactus acanthodes* (barrel cactus);
- *Castela emoryi* (crucifixion thorn);
- *Dudleya saxosa* (Panamint dudleya);
- *Pinus longaeva* (bristlecone pine);
- *Washingtonia filifera* (fan palm);
- All species of the family Agavaceae (century plants, nolinias, yuccas);
- All species of the family Cactaceae (cacti), except for the plants listed in subdivisions (b) and (c) of Section 80072 which may be harvested under a permit obtained pursuant to that section;
- All species of the family Fouquieriaceae (ocotillo, candlewood);
- All species of the genus Prosopis (mesquites);
- All species of the genus Cercidium (palos verdes);
- *Acacia greggii* (catclaw);
- *Atriplex hymenelytra* (desert-holly);
- *Dalea spinosa* (smoke tree); and
- *Olneya tesota* (desert ironwood), including dead .

According to the National Weather Service, Palmdale received 3.88 inches of precipitation for Water Year 2022 to date (i.e., October 1, 2021, through August 31, 2022), which is about 67 percent of the normal average (National Weather Service 2022). Where available, reference populations were monitored for annual and difficult-to-detect target species to ensure that the scheduled surveys were comprehensive. This is especially relevant during periods of unusual rainfall patterns or below-average rainfall. If conditions at a nearby reference population are suitable for germination and growth, then it can be inferred that conditions would also be suitable in the survey area. Reference populations were not monitored for species with a California Rare Plant Rank (CRPR) of 4; perennials (e.g., *Atriplex* species) which would be identifiable throughout the year; or for species with no extant, publicly accessible reference population in the Project region.

Psomas Senior Biologist Allison Rudalevige; Biologists Sarah Thomas, Jack Underwood, John Simon-Parent, and Miranda Scelaro; and Psomas Consulting Senior Botanist Sandy Leatherman conducted special status plant surveys on April 11, 12, 13; and May 9, 10, 11, 2022. The surveys comprised 162.5 total person-hours. The potentially suitable habitats for special status plants within the survey area were systematically surveyed to the extent possible during the site visits. A 50-foot buffer from the Project boundary was surveyed by walking 10 to 20 meter transects depending on shrub cover and habitat. All plant species observed were recorded in field notes. Plants were identified using taxonomic keys, descriptions, and illustrations in Jepson Flora Project (2022), Baldwin et al. (2012), Hickman (1993), and Munz (1974). Nomenclature of plant taxa conform to the *Special Vascular Plants, Bryophytes, and*

Connie Anderson
 September 27, 2022
 Page 3

Lichens List (CDFW 2020b) for special status species and the Jepson eFlora (Jepson Flora Project 2022) for all other taxa

Certified Arborist Trevor Bristle (ISA Certificate No. WE-10233A) documented trees regulated by the City of Palmdale during Joshua tree surveys. During the survey, the following data were collected: trunk diameter at breast height, tree height, and canopy width. Qualitative ratings for each tree's overall health and aesthetic quality were also given. Trees were affixed with a pre-numbered aluminum tag. The collected data are included in Table 1 in the Survey Results section below.

Any special status plant or tree species observed in the survey area were mapped with a handheld Garmin Global Positioning System unit. Data were collected on the number and phenology of individuals and microsite characteristics (e.g., slope, aspect, soil texture, surrounding habitat, and associated species).

SITE DESCRIPTION

Elevations range from approximately 2,500 feet above mean sea level (msl) in the northern portion of the site to approximately 2,555 feet above msl in the southern portion of the property. The Project site is currently undeveloped directly adjacent (north) to the Palmdale Regional Airport. Soil types in the survey area include Adelanto coarse sandy loam, 2 to 5 percent slopes; Cajon loamy sand, 0 to 2 percent slopes; Cajon loamy sand, 2 to 9 percent slopes; Cajon loamy sand, loamy substratum, 0 to 2 percent slopes; Cajon loamy fine sand, 0 to 2 percent slopes, hummocky; and Hesperia fine sandy loam, 0 to 2 percent slopes (USDA NRCS 2007). Exhibit 3 shows a map of soil types throughout the survey area.

Vegetation on the site is comprised of Joshua tree woodland, disturbed Joshua tree woodland, rubber rabbitbrush scrub, big sagebrush – rubber rabbitbrush scrub, creosote bush scrub, rubber rabbitbrush – Nevada joint-fir scrub, rubber rabbitbrush – Nevada joint-fir scrub/Joshua tree woodland, Nevada joint-fir – cheesebush – Cooper's box thorn scrub/Joshua tree woodland, and bare ground (Exhibit 4). Some portions of the site have been disturbed historically (e.g., evidence of Joshua trees removal and roadway creation via off-road vehicle use). Graded dirt roads traverse the perimeter of the site and two graded dirt roads run through the southern portion of the site.

SURVEY RESULTS

Four special status species were documented in the survey area: California juniper (*Juniperus californica*), western Joshua tree (*Yucca brevifolia*), crowned muilla (*Muilla coronata*), and silver cholla (*Cylindropuntia echinocarpa*) (Exhibit 5¹). The California juniper is regulated by the City of Palmdale Urgency Ordinance; the western Joshua tree is a California State Candidate Threatened species; the crowned muilla is a CRPR 4.2 species; and the silver cholla is regulated by the City of Palmdale and the California Desert Native Plants Act and Native Desert Vegetation Preservation Ordinance. A full detailed description of the location of Joshua trees in the survey area can be found under separate cover in the Joshua Tree Focused Survey Report prepared by Psomas for the proposed Project. Table 1 contains the regulatory information for the California juniper tree, and Table 2 contains data for the silver cholla observations. Details on the crowned muilla observation can be found in paragraph form below Table 3.

¹ Exhibit 5 does not depict locations for the western Joshua tree. Refer to the Joshua Tree Focused Survey Report for those locations.

Connie Anderson
September 27, 2022
Page 4

TABLE 1
TREES REGULATED BY THE CITY OF PALMDALE

Tree Species		Tree Tag ID	Health	DBH	Height (ft)	Canopy (ft)
Common Name	Botanical Name					
California juniper	<i>Juniperus californica</i>	3646	good	3	8	12
DBH: diameter at breast height; ft: feet						

TABLE 2
CALIFORNIA DESERT NATIVE PLANTS

Plant Species		Exhibit 5 ID	Health ^a	Approximate Height (ft)
Common Name	Botanical Name			
silver cholla	<i>Cylindropuntia echinocarpa</i>	1	3	4
silver cholla	<i>Cylindropuntia echinocarpa</i>	2	2	4
silver cholla	<i>Cylindropuntia echinocarpa</i>	3	4	2.5
silver cholla	<i>Cylindropuntia echinocarpa</i>	4	2	3
silver cholla	<i>Cylindropuntia echinocarpa</i>	5	2	4
silver cholla	<i>Cylindropuntia echinocarpa</i>	6	3	1.5
silver cholla	<i>Cylindropuntia echinocarpa</i>	7	3	3
silver cholla	<i>Cylindropuntia echinocarpa</i>	8	3	1.5
silver cholla	<i>Cylindropuntia echinocarpa</i>	9	3	3
silver cholla	<i>Cylindropuntia echinocarpa</i>	10	3	2
silver cholla	<i>Cylindropuntia echinocarpa</i>	11	2	3
silver cholla	<i>Cylindropuntia echinocarpa</i>	12	2	1.5
^a Health/Aesthetics Ratings: 1=Very Poor, 2=Poor, 3=Fair, 4=Good, and 5=Excellent; ft: feet				

A list of all plants observed within the survey area during the focused plant surveys can be found in Attachment A. Table 3 below lists the special status plant species known to occur in the vicinity of the Project site along with habitat suitability within the survey area and survey results.

TABLE 3
SPECIAL STATUS PLANT SPECIES KNOWN TO OCCUR
IN THE SURVEY AREA VICINITY

Scientific Name	Common Name	CDFW	CRPR	Species Background	Potential
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch		1B.1	Annual herb. Lake margins and alkaline soils in meadows, seeps, and playas; 196–2,788 ft. Southern California County Distribution: Kern, San Bernardino (Presumed extirpated). Blooming period: May–October	No suitable habitat present. Not observed during focused surveys.
<i>Astragalus preussii</i> var. <i>laxiflorus</i>	Lancaster milk-vetch		1B.1	Perennial herb. Chenopod scrub; elevation range unknown due to lack of records. Southern California County Distribution: Kern, Los Angeles, Riverside, San Bernardino. Blooming period: March–May	No suitable habitat present. Not observed during focused surveys.
<i>Calochortus striatus</i>	alkali mariposa lily		1B.2	Perennial bulbiferous herb. Alkaline and mesic soils in chaparral, chenopod scrub, Mojavean desert scrub, meadows, seeps, desert grasslands; 230–5,232 ft. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: April–June	No suitable soils. Not observed during focused surveys.
<i>Calystegia peirsonii</i>	Peirson's morning-glory		4.2	Perennial rhizomatous herb. Chaparral, chenopod scrub, cismontane woodland, coastal scrub, lower montane coniferous forest, grassland; 98–4,920 ft. Southern California County Distribution: Los Angeles. Blooming period: April–June	No suitable habitat present. Not observed during focused surveys.
<i>Canbya candida</i>	white pygmy-poppy		4.2	Annual herb. Gravelly, sandy, or granitic soils in Joshua tree woodland, Mojavean desert scrub, Pinyon and juniper woodland; 1,968–4,789 ft. Southern California County Distribution: Imperial, Kern, Los Angeles, San Bernardino. Blooming period: March–June	Potentially suitable habitat present. Not observed during focused surveys.
<i>Chorizanthe spinosa</i>	Mojave spineflower		4.2	Annual herb. Sometimes alkaline soils in chenopod scrub, Joshua tree woodland, Mojavean desert scrub, and playas; 20–4,264 ft. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: March–July	Potentially suitable habitat present. Not observed during focused surveys.
<i>Cymopterus deserticola</i>	desert cymopterus		1B.2	Perennial herb. Sandy soil in Joshua tree woodland and Mojavean desert scrub; 2,066–4,920 ft. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: March–May.	Marginally suitable habitat present. Not observed during focused surveys.
<i>Eriastrum rosamondense</i>	Rosamond eriastrum		1B.1	Annual herb. Alkaline hummocks in often sandy soil in openings of chenopod scrub and the edges of vernal pools; 2,296–2,345 ft. Southern California County Distribution: Kern, Los Angeles. Blooming period: April–July	No suitable soils. Not observed during focused surveys.
<i>Eriophyllum mohavense</i>	Barstow woolly sunflower		1B.2	Annual herb. Chenopod scrub, Mojavean desert scrub, and playas; 1,640–3,149 ft. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: March–May	No suitable habitat present. Not observed during focused surveys.
<i>Gilia latiflora</i> ssp. <i>cuyamensis</i>	Cuyama gilia		4.3	Annual herb. Sandy soil in pinyon-juniper woodland; 1,952–6,560 ft. Southern California County Distribution: Kern, Los Angeles, Ventura. Blooming period: April–June	No suitable habitat present. Not observed during focused surveys.
<i>Goodmania luteola</i>	golden goodmania		4.2	Annual herb. Alkaline or clay soils in Mojavean desert scrub, meadows, seeps, playas, and grassland; 66–7,216 ft. Southern California County Distribution: Kern, Los Angeles. Blooming period: April–August	No suitable soils. Not observed during focused surveys.
<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i>	sagebrush loeflingia		2B.2	Annual herb. Sandy soil in desert dunes, great basin scrub, and Sonoran desert scrub; 2,296–5,297 ft. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: April–May	Potentially suitable habitat present. Not observed during focused surveys.
<i>Lycium torreyi</i>	Torrey's box-thorn		4.2	Perennial shrub. Coastal scrub and Sonoran desert scrub; 10–3,660 ft. Southern California County Distribution: Imperial, Riverside, San Bernardino, San Diego. Blooming period: January–November	Potentially suitable habitat present. Not observed during focused surveys.
<i>Muilla coronata</i>	crowned muilla		4.2	Perennial cormous herb. Chenopod scrub, Mojavean desert scrub, Joshua tree and pinyon-juniper woodland; 2,509–6,429 ft. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: March–April (May)	Suitable habitat. Observed.
<i>Opuntia basilaris</i> var. <i>brachyclada</i>	short-joint beavertail		1B.2	Stem succulent shrub. Chaparral, Mojavean desert scrub, Joshua tree, pinyon-juniper woodland; 1,394–5,904 ft. Southern California County Distribution: Los Angeles, San Bernardino. Blooming period: April–August	Marginally suitable habitat present. Limited records in the region. Not observed during focused surveys.
<i>Perideridia pringlei</i>	adobe yampah		4.3	Perennial herb. Serpentine or often clay soils in chaparral, cismontane woodland, coastal scrub, pinyon-juniper woodland; 984–5,904 ft. Southern California County Distribution: Kern, Los Angeles, Ventura. Blooming period: April–July	No suitable soils. Not observed during focused surveys.
<i>Puccinellia simplex</i>	California alkali grass		1B.2	Annual herb. Saline flats, mineral springs; <2,953 ft. Southern California County Distribution: Kern, Los Angeles, San Bernardino. Blooming period: March–May	No suitable habitat present. Not observed during focused surveys.

TABLE 3
SPECIAL STATUS PLANT SPECIES KNOWN TO OCCUR
IN THE SURVEY AREA VICINITY

Scientific Name	Common Name	CDFW	CRPR	Species Background	Potential
<i>Yucca brevifolia</i>	western Joshua tree	CST		Perennial herb. Desert flats, slopes; 1,312–7,546 ft. Southern California County Distribution: Kern, Los Angeles, San Bernardino, Riverside. Blooming period: March–June	Suitable habitat. Observed.
CDFW: California Department of Fish and Wildlife; CRPR: California Rare Plant Rank					
Species Status:					
State (CDFW)					
CST Candidate State Threatened					
CRPR					
1B Plants Rare, Threatened, or Endangered in California and elsewhere					
2B Plants Rare, Threatened, or Endangered in California, but more common elsewhere					
4 Plants of limited distribution - watch list					
.1 Seriously threatened in California (over 80% of occurrences threatened; high degree and immediacy of threat)					
.2 Moderately threatened in California (20–80% of occurrences threatened; moderate degree and immediacy of threat)					
.3 Not very threatened in California (<20% of occurrences threatened; low degree and immediacy of threat or no current threats known)					
Species that were observed on site are shown in boldface type . For blooming period, months included in parentheses are uncommon.					
* Sources include CDFW 2022a, CNPS 2022, and Jepson Flora Project 2022.					

Connie Anderson
September 27, 2022
Page 7

Crowned Muilla

Crowned muilla has a CRPR of 4.2. It typically blooms between March and April (Jepson Flora Project 2022; CNPS 2022). This perennial herb (bulb) occurs in open desert scrub and woodland between approximately 2,509–6,429 feet above msl (Jepson Flora Project 2022; CNPS 2022). This species is known from the Mojave Desert, desert mountains, Tehachapi Mountain area, southern high Sierra Nevada and east to the White and Inyo Mountains (Jepson Flora Project 2022).

One confirmed crowned muilla observation (one individual) was documented along the southern edge of the Project site (Exhibit 5). This individual was desiccated and contained one seed. Considering the time of year the observation was made (early April), it can be inferred this individual bloomed in the previous season. In addition, a population of approximately ten individuals in Themidaceae (Brodiaea) family were observed in the eastern portion of the site (Exhibit 5). These individuals were observed in a vegetative state and could not be positively identified at the time of the survey. Blooming never occurred (multiple checks were performed) so further identification was not possible. Given the structure of the leaves, it is likely that this population is also crowned muilla. Both locations occur in Joshua tree woodland in sandy soils.

CONCLUSIONS

A total of 8,196 Joshua trees were documented in the survey area. The City of Palmdale requires avoidance of Joshua trees to the maximum extent practicable. A qualified City-approved biologist or arborist should be retained to conduct any future relocation/transplanting activities and should follow Cities Municipal Code protocols in Section 14.04.060, titled Joshua Tree Relocation Methodology.

One California juniper was documented in the survey area. The City of Palmdale requires provisions regarding the preservation of native desert vegetation both on- and off-site. A qualified City-approved biologist or arborist should be retained to conduct any future relocation/transplanting activities and should follow Cities Municipal Code protocols in Section 14.04.070, titled Desert Vegetation Preservation Criteria; and Section 14.04.080 Maintenance Requirements.

A total of six silver cholla were documented in the survey area. Silver cholla is regulated by the City of Palmdale and the California Desert Native Plants Act and Native Desert Vegetation Preservation Ordinance. Any impacts to silver cholla would require compliance with both the City and State Ordinances.

Psomas appreciates the opportunity to assist on this Project. If you have any comments or questions, please call Marc Blain at 626.351.2000.

Sincerely,

P S O M A S



Marc T. Blain
Senior Project Manager



Sarah Thomas
Biologist

Connie Anderson
September 27, 2022
Page 8

Enclosures: Exhibit 1 – Project Location
 Exhibit 2 – USGS Quadrangle Map
 Exhibit 3 – Soils Map
 Exhibit 4 – Soils Map
 Exhibit 5 – Survey Results
 Attachment A – Plant Compendium

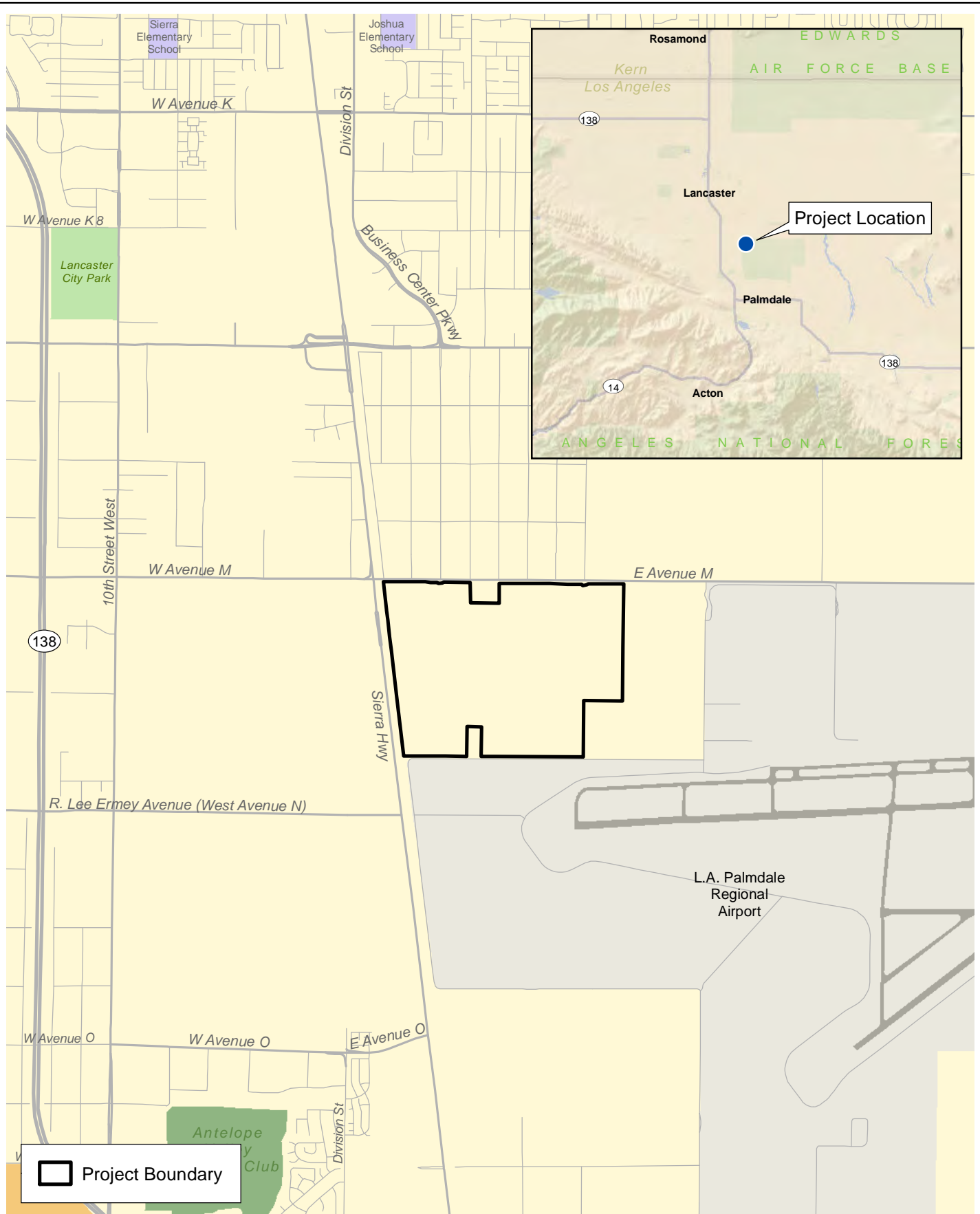
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Connie Anderson
September 27, 2022
Page 9

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Project Location

Antelope Valley Commerce Center



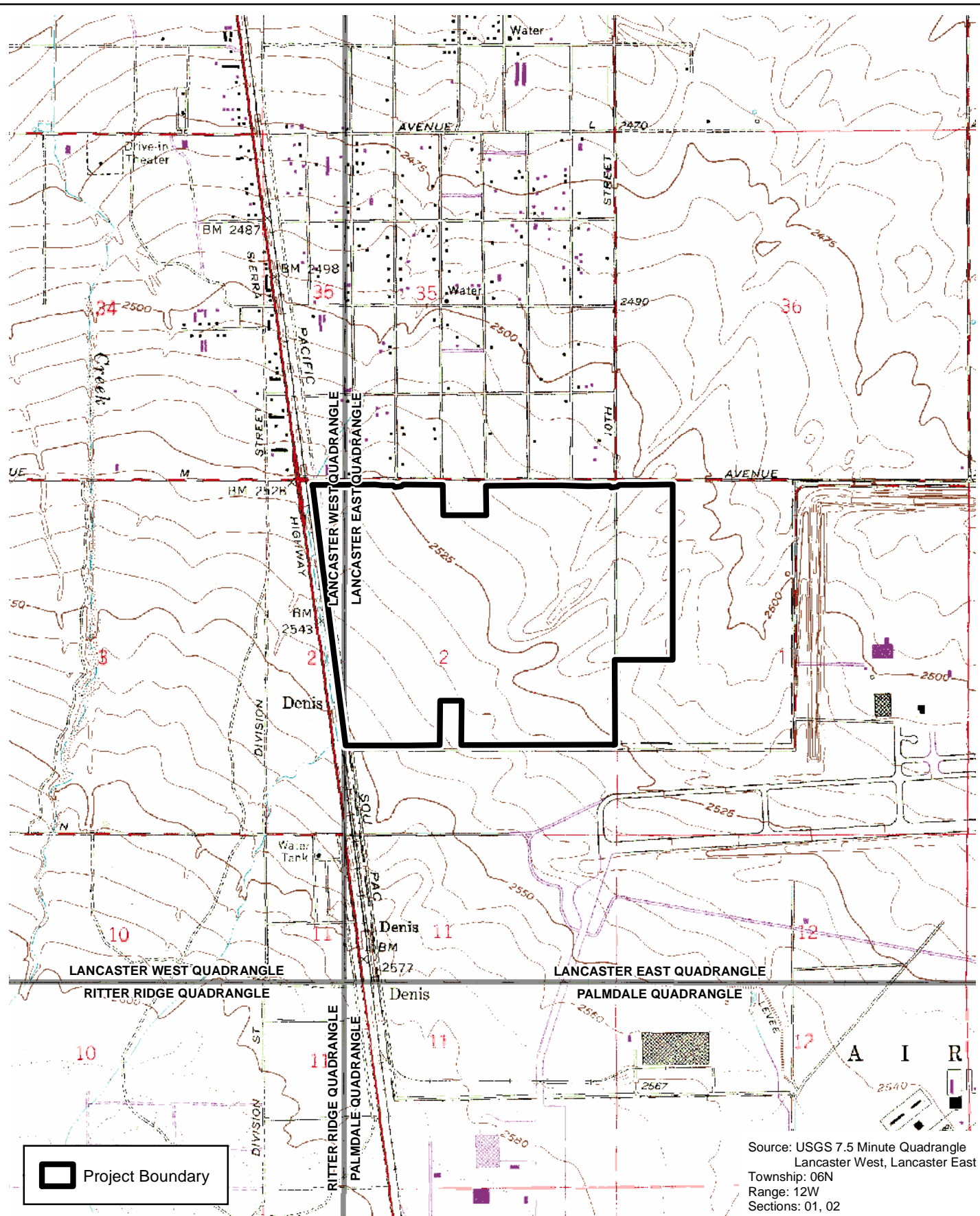
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Exhibit 1



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USGS 7.5-Minute Digital Quadrangle

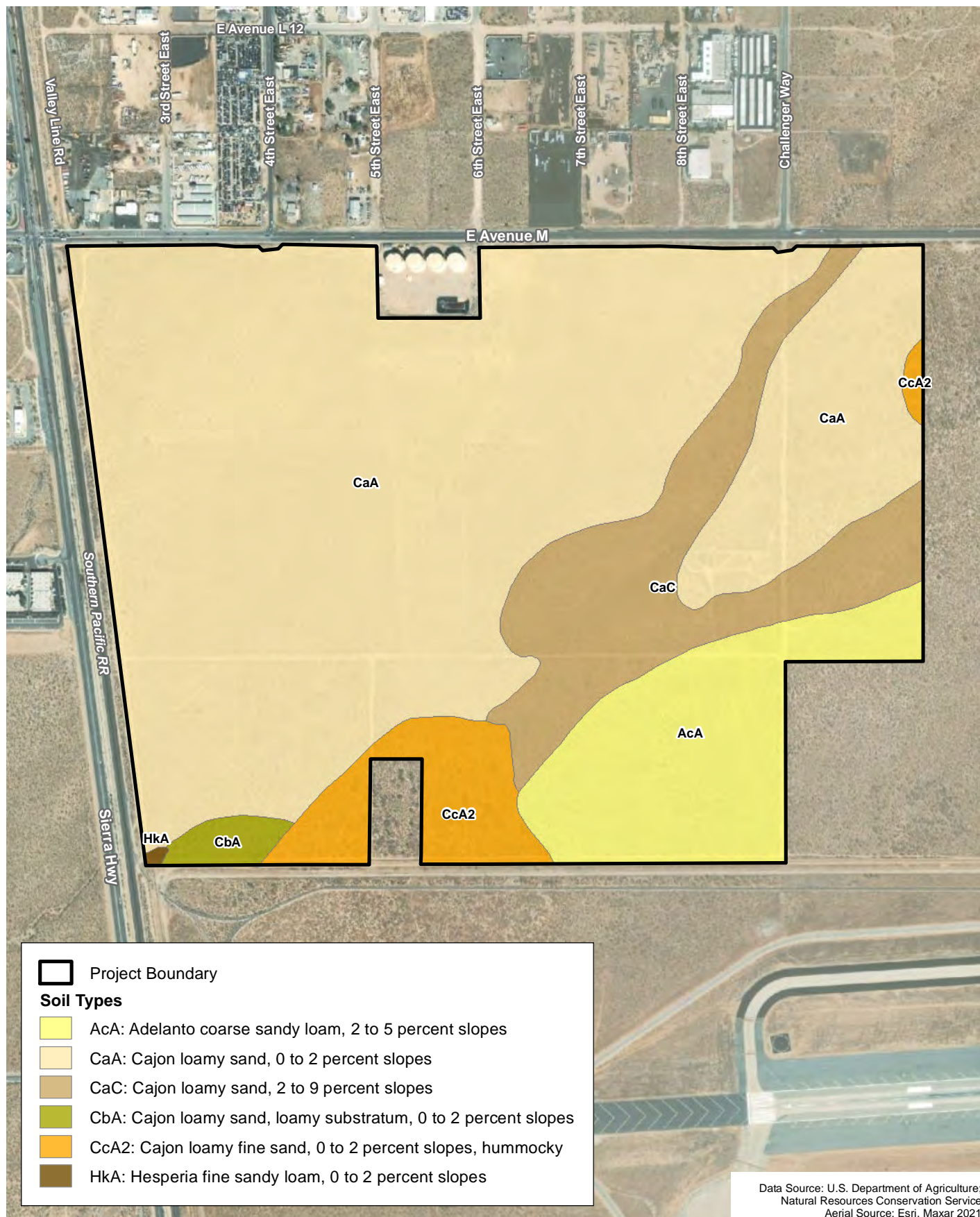
Antelope Valley Commerce Center

Exhibit 2



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Soils Map

Antelope Valley Commerce Center

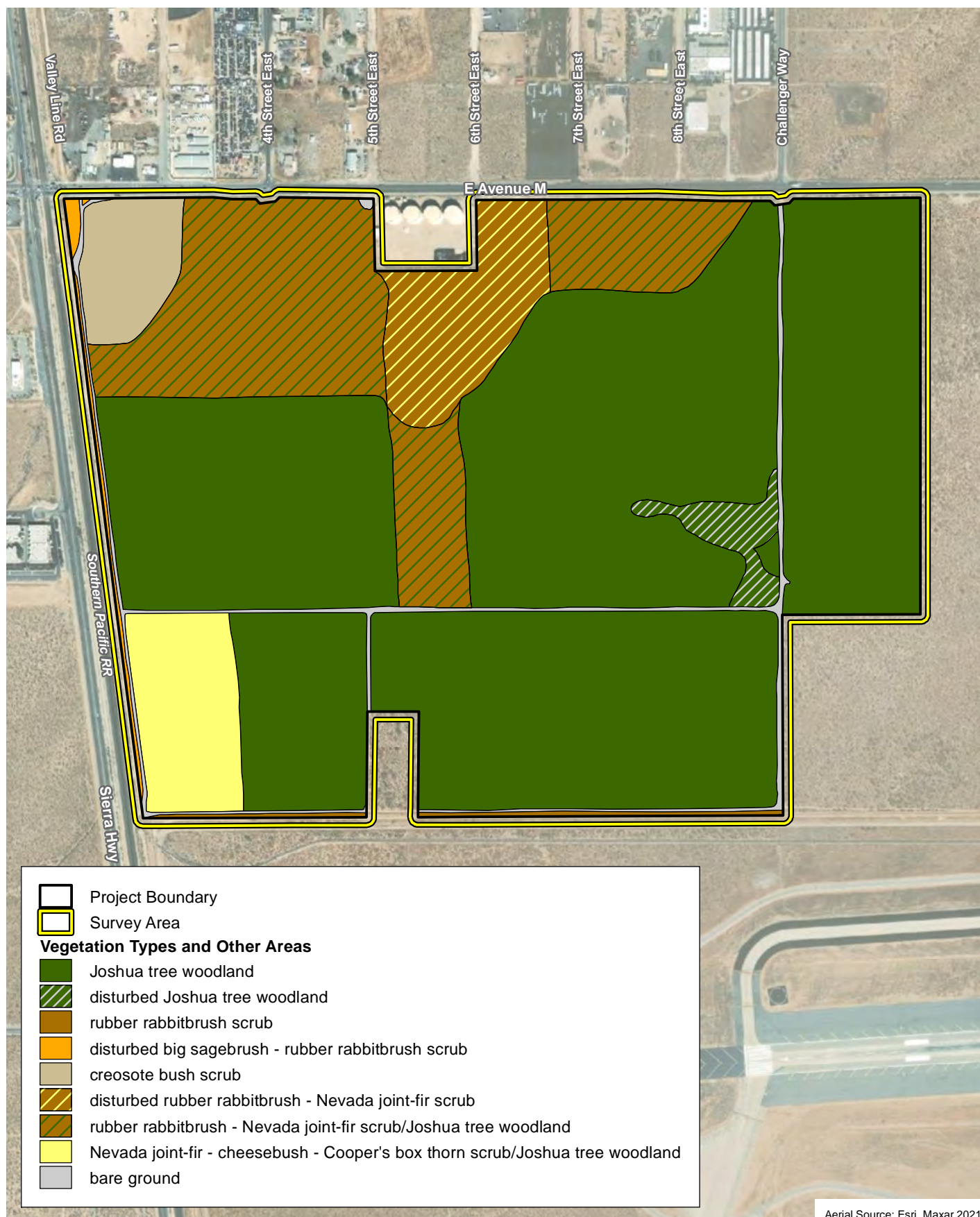


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Exhibit 3



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Vegetation Types and Other Areas

Antelope Valley Commerce Center

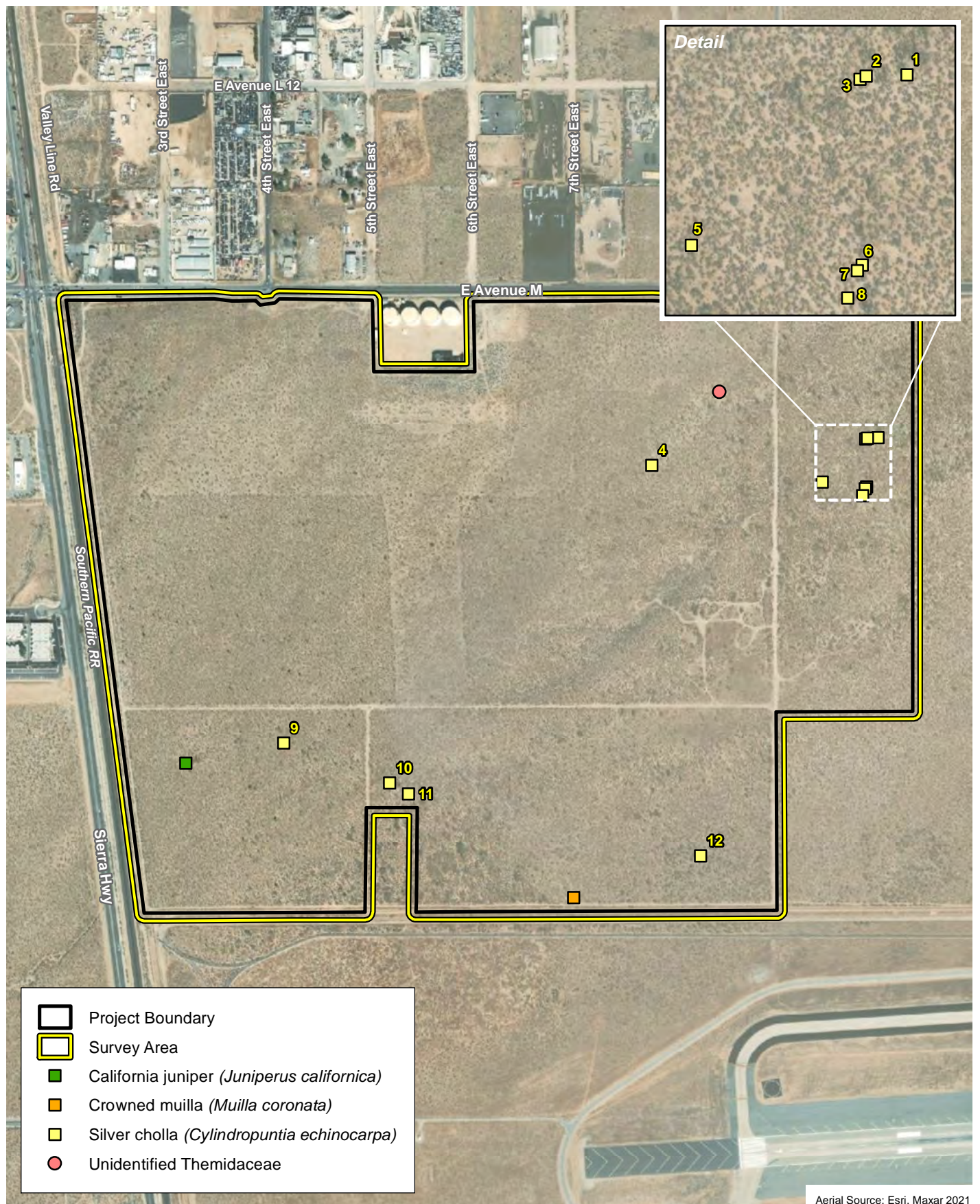


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Exhibit 4



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Survey Results

Antelope Valley Commerce Center



850 425 0 850 Feet

Exhibit 5



ATTACHMENT A
PLANT COMPENDIUM

**PLANT SPECIES OBSERVED WITHIN THE SURVEY AREA
DURING FOCUSED PLANT SURVEYS**

Species		Special Status
Scientific Name	Common Name	
GYMNOSPERMS		
EPHEDRACEAE – EPHEDRA FAMILY		
<i>Ephedra nevadensis</i>	Nevada ephedra	
EUDICOTS		
APIACEAE – CARROT FAMILY		
<i>Lomatium mohavense</i>	Mojave lomatium	
ASTERACEAE – SUNFLOWER FAMILY		
<i>Acamptopappus sphaerocephalus</i>	rayless goldenhead	
<i>Ambrosia acanthicarpa</i>	annual bur-sage	
<i>Ambrosia dumosa</i>	white bur-sage	
<i>Ambrosia salsola</i>	common burrobrush	
<i>Artemisia tridentata</i>	big sagebrush	
<i>Chaenactis fremontii</i>	Fremont pincushion	
<i>Chaenactis xantiana</i>	fleshy pincushion	
<i>Ericameria nauseosa</i>	rubber rabbitbrush	
<i>Eriophyllum pringlei</i>	Pringle's woolly sunflower	
<i>Eriophyllum wallacei</i>	Wallace's woolly sunflower	
<i>Lasthenia gracilis</i>	common goldfields	
<i>Layia glandulosa</i>	white layia	
<i>Leptosyne sp.</i>	tickseed	
<i>Malacothrix coulteri</i>	snake's-head	
<i>Malacothrix glabrata</i>	desert dandelion	
<i>Stephanomeria exigua ssp. exigua</i>	little stephanomeria	
<i>Stephanomeria pauciflora</i>	wire-lettuce	
<i>Stylocline gnaphaloides</i>	everlasting neststraw	
<i>Tetradymia axillaris</i>	axillary cottonthorn	
<i>Tetradymia stenolepis</i>	narrow-scaled cottonthorn	
<i>Uropappus lindleyi</i>	Lindley's silverpuffs	
BORAGINACEAE – BORAGE FAMILY		
<i>Amsinckia tessellata</i>	tessellated fiddleneck	
<i>Cryptantha circumscissa var. circumscissa</i>	cushion cryptantha	
<i>Cryptantha micrantha var. micrantha</i>	red-root cryptantha	
<i>Cryptantha sp.</i>	cryptantha	
<i>Nama demissum</i>	weak purple mat	
<i>Pectocarya linearis ssp. ferocula</i>	narrow-toothed pectocarya	
<i>Pectocarya penicillata</i>	northern pectocarya	
<i>Phacelia distans</i>	distant phacelia	
<i>Phacelia fremontii</i>	Fremont's phacelia	
<i>Plagiobothrys arizonicus</i>	Arizona popcornflower	
<i>Tiquilia nuttallii</i>	annual tiquilia	
BRASSICACEAE – MUSTARD FAMILY		
<i>Caulanthus lasiophyllus</i>	California mustard	
<i>Descurainia sophia*</i>	wise tansy mustard	

**PLANT SPECIES OBSERVED WITHIN THE SURVEY AREA
DURING FOCUSED PLANT SURVEYS**

Species		Special Status
Scientific Name	Common Name	
<i>Sisymbrium irio</i> *	London rocket	
<i>Tropidocarpum gracile</i>	slender tropidocarpum	
CACTACEAE – CACTUS FAMILY		
<i>Cylindropuntia echinocarpa</i>	silver cholla	
CARYOPHYLLACEAE – PINK FAMILY		
<i>Loeflingia squarrosa</i>	spreading pygmyleaf	
CHENOPODIACEAE – GOOSEFOOT FAMILY		
<i>Atriplex canescens</i>	four-wing saltbush	
<i>Grayia spinosa</i>	thorny hop-sage	
<i>Krascheninnikovia lanata</i>	winter fat	
EUPHORBIACEAE – SPURGE FAMILY		
<i>Croton setiger</i>	turkey-mullein	
<i>Euphorbia albomarginata</i>	rattlesnake sandmat	
<i>Stillingia paucidentata</i>	few-toothed stillingia	
FABACEAE – LEGUME FAMILY		
<i>Acmispon sp.</i>	deervetch	
<i>Astragalus cf. lentiginosus</i>	freckled milkvetch	
<i>Lupinus sp.</i>	lupine	
GERANIACEAE – GERANIUM FAMILY		
<i>Erodium cicutarium</i> *	redstem filaree	
LAMIACEAE – MINT FAMILY		
<i>Monardella exilis</i>	small monardella	
<i>Salvia carduacea</i>	thistle sage	
<i>Scutellaria mexicana</i>	bladder-sage	
<i>Trichostema lanceolatum</i>	vinegar weed	
LOASACEAE – BLAZING STAR FAMILY		
<i>Mentzelia albicaulis</i>	white-stemmed blazing star	
MALVACEAE – MALLOW FAMILY		
<i>Eremalche exilis</i>	white mallow	
MONTIACEAE – MINER'S-LETTUCE FAMILY		
<i>Calyptidium monandrum</i>	one-stamened pussypaws	
NYCTAGINACEAE – FOUR O'CLOCK FAMILY		
<i>Abronia pogonantha</i>	beard-flowered sand-verbena	
<i>Mirabilis laevis</i>	smooth four o'clock	
ONAGRACEAE – EVENING PRIMROSE FAMILY		
<i>Camissonia campestris ssp. campestris</i>	field sun cup	
<i>Camissonia sp.</i>	sun cup	
<i>Camissoniopsis pallida ssp. pallida</i>	pallid camissoniopsis	
<i>Oenothera deltoides</i>	devil's lantern	
<i>Oenothera sp.</i>	evening-primrose	
PAPAVERACEAE – POPPY FAMILY		
<i>Eschscholzia minutiflora</i>	minute-flowered eschscholzia	

**PLANT SPECIES OBSERVED WITHIN THE SURVEY AREA
DURING FOCUSED PLANT SURVEYS**

Species		Special Status
Scientific Name	Common Name	
POLEMONIACEAE – PHLOX FAMILY		
<i>Eriastrum saphirinum</i>	sapphire eriastrum	
<i>Eriastrum sp.</i>	eriastrum	
<i>Gilia sp.</i>	gilia	
<i>Leptosiphon aureus ssp. aureus</i>	golden leptosiphon	
<i>Linanthus parryae</i>	Parry's linanthus	
<i>Loeseliastrum matthewsii</i>	desert calico	
POLYGONACEAE – BUCKWHEAT FAMILY		
<i>Centrostegia thurberi</i>	red triangles	
<i>Chorizanthe brevicornu</i>	brittle spineflower	
<i>Chorizanthe watsonii</i>	Watson's spineflower	
<i>Eriogonum brachyanthum</i>	short-flower wild buckwheat	
<i>Eriogonum gracillimum</i>	rose-and-white wild buckwheat	
<i>Eriogonum mohavense</i>	western Mojave wild buckwheat	
<i>Eriogonum viridescens</i>	two-toothed wild buckwheat	
<i>Rumex hymenosepalus</i>	canaigre	
SOLANACEAE – NIGHTSHADE FAMILY		
<i>Lycium andersonii</i>	Anderson's box-thorn	
<i>Lycium cooperi</i>	Cooper's box-thorn	
ZYGOPHYLLACEAE – CALTROP FAMILY		
<i>Larrea tridentata</i>	creosote bush	
MONOCOTS		
AGAVACEAE – AGAVE FAMILY		
<i>Yucca brevifolia</i>	western Joshua tree	CST
POACEAE – GRASS FAMILY		
<i>Bromus rubens*</i>	red brome	
<i>Bromus tectorum*</i>	cheat grass	
<i>Schismus barbatus*</i>	barbed Mediterranean grass	
<i>Stipa hymenoides</i>	sand rice grass	
<i>Stipa speciosa</i>	desert needle grass	
THEMIDACEAE – BRODIAEA FAMILY		
<i>Dipterostemon capitatus</i>	blue dicks	
<i>Muilla coronata</i>	crowned muilla	CRPR 4.2
* Non-native or invasive species		
State (CDFW)		
CST Candidate State Threatened		
CRPR Threat Code Extensions		
4 Plants of limited distribution - watch list		
.2 Moderately threatened in California (20–80% of occurrences threatened; moderate degree and immediacy of threat)		

APPENDIX D

JOSHUA TREE SURVEY REPORT

September 22, 2022
Revised 10/24/23

Connie Anderson
T&B Planning, Inc
Senior Project Manager
3200 El Camino Real, Suite 100
Irvine, California 92602

VIA EMAIL
canderson@tbplanning.com

Subject: Results of the Joshua Tree Survey Conducted for the Antelope Valley Commerce Center Project in the City of Palmdale, Los Angeles County, California

Dear Ms. Anderson:

This Letter Report presents the findings of a Joshua tree survey conducted for the Antelope Valley Commerce Center Project (hereinafter referred to as the “proposed Project”) located in the City of Palmdale, Los Angeles County, California (Exhibit 1). The purpose of this report is to document all western Joshua trees (*Yucca brevifolia*) occurring on the proposed Project site in order to satisfy the requirements of City of Palmdale Urgency Ordinance No. 1556, the California Desert Native Plants Act and Native Desert Vegetation Preservation Ordinance (Sections 14.04.010-14.04.120), and the California Endangered Species Act (CESA). The western Joshua tree is currently listed as a California Candidate Threatened species (CDFW 2022) and therefore requires an Incidental Take Permit prior to Project disturbance. This report is specific to the western Joshua tree, other tree species regulated by the City of Palmdale Ordinance are included under the Focused Special Status Plant/Desert Native Plant Survey Report prepared for the Project.

PROJECT LOCATION

The proposed Project is located on approximately 400-acres in the southern portion of the Antelope Valley in the City of Palmdale. The Project site is situated south of Columbia Way, east of Sierra Hwy and the Pacific Union railroad alignment, north of Avenue M-12, and west of 15th Street E (Exhibit 1). The Project site is located on the Lancaster East U.S. Geologic Survey 7.5-minute quadrangle map (Exhibit 2). Elevations range from approximately 2,500 feet above mean sea level (msl) in the northern portion of the site to approximately 2,555 feet above msl in the southern portion of the property.

The Project site is currently undeveloped directly adjacent (north) of the Palmdale Regional Airport. Vegetation on the site is comprised mostly of Joshua tree woodland, with rubber rabbitbrush scrub in the north, and Mormon tea scrub in the western portion of the site. Some portions of the site have been disturbed historically (e.g., evidence of Joshua trees removal and roadway creation via off-road use). Graded dirt roads traverse the perimeter of the site and two graded dirt roads run through the southern portion of the site.

225 South Lake Avenue
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Connie Anderson
 September 22, 2022
 Revised 10/24/23
 Page 2

BACKGROUND

The Joshua tree is an important keystone species, and its range defines the biological extent of the Mojave Desert (Thomas et al. 2004). Literature published in 2007 by Lee W. Lenz contended what was previously widely accepted as the Joshua tree (*Y. brevifolia* var. *brevifolia*) and Jaeger's Joshua tree (*Y. brevifolia* var. *jaegeriana*) is two distinct species – the western Joshua tree (*Y. brevifolia*) and eastern Joshua tree (*Y. jaegeriana*). In addition to Lenz's research, genetic research conducted on the Joshua tree in 2016 found evidence for strong genome-wide patterns of divergence between the Joshua tree species (Royer et al. 2016), further validating the separation at the species level. The two species are separated geographically and only occur at higher elevations (e.g., 1,300 feet – 6,560 feet) (Hess 2012) and prefer flat and gently sloping aspects. The western Joshua tree's western extent occurs near Gorman, California; the southern extent occurs in Joshua Tree National Park; the eastern extent in Tikaboo Valley, Nevada; and the northern extent near Alkali, Nevada (Lenz 2007). The western Joshua tree is arborescent (tree-like) with a distinct trunk, and it branches only after a flower is produced on the main stalk.

Individual Joshua trees do not flower every year but instead tend to produce flowers during wet years, and usually all at once. Joshua tree pollen is too sticky to be carried by the wind and therefore requires the assistance of pollinators, namely the yucca moth (*Tegeticula synthetica*). Blooming typically occurs from January to mid-April and coincides with the flight of yucca moths (Cornett 2018). Waitman and Esque found through radioactive tracers that rodents such as the white-tailed Antelope squirrel (*Ammospermophilus leucurus*) were responsible for most of the successful germination in the Joshua trees they studied. The white-tailed Antelope squirrel was shown to climb the trees and remove the fruit directly from the tree canopy during peak ripeness, then bury the seeds under a shallow layer of soil, greatly aiding in germination (Waitman and Esque 2012).

Joshua trees are monocots in the family Agavaceae and therefore do not have thick woody roots but instead numerous small fibrous roots about as thick as a pencil. The roots of Joshua trees spread out horizontally just under the ground surface (approximately as far as the tree canopy) to capture water from light rains, as well as deep (10 to 30 feet) vertically to capture seasonally pooled underground water. Some Joshua trees, usually those at higher elevations, those at the edges of the range, or areas more prone to disturbance such as wildfires, contain rhizomes – a method of asexual reproduction whereby a new stem develops from the rhizome, shoots up above ground, and eventually grows into an adult tree. Clonal Joshua trees are usually shorter stature and contain less branching (Simpson 1975).

REGULATORY AUTHORITY

California Endangered Species Act

On October 21, 2019, the California Fish and Game Commission (CFGF) received a petition from the Center for Biological Diversity to list the western Joshua tree as 'Threatened' under CESA. On September 22, 2020, the CFGF accepted the petition to list the western Joshua tree as a Candidate Threatened species, which became official upon publication in the California Regulatory Notice Register on October 9, 2020. The California Department of Fish and Wildlife (CDFW) conducted a Status Review and released a conclusion in April 2022 indicating listing of the species was not warranted. Subsequently, the CFGF voted to postpone a decision and extend the review period until October 2022. During the review period, the CFGF has issued Approved Emergency Regulatory Language (pursuant to Section 749.12 Title 14) of the California Code of Regulations to provide guidance on applying for an Incidental Take Permit for impacts to the western Joshua tree. Additional regulation and guidance for ITP issuance is discussed under California State Legislature below. The western Joshua tree is currently listed as a California Candidate Threatened species and is therefore covered under CESA.

Connie Anderson
 September 22, 2022
Revised 10/24/23
 Page 3

California State Legislature

California State Legislature passed the Western Joshua Tree Conservation Act (Assembly Bill AB1008) on June 27, 2023, which was signed by Governor Gavin Newsom on July 10, 2023, and retroactively took effect July 1, 2023. This bill, among other things, would authorize the department to authorize, by Incidental Take Permit, the taking of a western Joshua tree if specified conditions are met, including, but not limited to, that the permittee mitigates all impacts to, and taking of, the western Joshua tree. The bill would authorize, in lieu of completing the mitigation measures on its own, a permittee to elect to satisfy the mitigation obligation by paying a fee to the State pursuant to a specified fee schedule. The bill would require the department to present the final conservation plan at a public meeting of the commission, for its review and approval, by December 31, 2024, and would require the commission to take final action on the plan by June 30, 2025.

The bill's in-lieu fee Joshua tree mitigation fund is available for projects purchasing mitigation credits within a specified area. The in-lieu fee program area is located within a portion of the western Joshua tree range within the area bounded by the intersection of Highway 58 and Interstate 5, then east along Highway 58 to the intersection of Interstate 15, then north along Interstate 15 to the intersection of Highway 247, then south along Highway 247 to the intersection of Highway 18, then west along Highway 18 to the intersection of Highway 138, then west and north along Highway 138 to the intersection of Interstate 5, then north along Interstate 5 to Highway 58. Alternatively, in-lieu fees can be paid in areas outside of the geographical area described above if the project is in a jurisdiction that has entered into an agreement with the State pursuant to this bill. The Project site is located within the bill's in-lieu fee Joshua tree mitigation fund area.

City of Palmdale

On December 15, 2020, The City of Palmdale issued an Urgency Ordinance Amending Chapter 14.04 of the Palmdale Municipal Code (Joshua Tree and Native Desert Vegetation Preservation) to Require compliance with the California Endangered Species Act. This letter report satisfies the requirements found in the Palmdale Municipal Code and CESA.

METHODS

From March through July 2022, a team of five biologist, led by Certified Arborist Trevor Bristle (ISA Certificate No. WE-10233A), walked transects throughout the site to document Joshua trees in the Project boundary plus a 186-foot buffer (survey area) (Exhibit 3). Each Joshua tree received a pre-numbered metal tag affixed with a 3 inch metal nail on the north side of the trunk for orientation purposes during potential future transplanting. The location of each tree was recorded using an iPad Mini 6 with external Bad Elf sub-1.5 meter accuracy Global Positioning System unit. Individual Joshua trees were measured for diameter at breast height (dbh) (4.5 feet above natural grade), and height. Total branching, spread, number of fresh panicles, and the presence and number of clones was also counted. Two or more Joshua trees occurring within 6 feet were considered clonal, the most mature tree was documented, and the number of trees/trunks (living and dead) occurring in the colony were counted. Tree phenology (vegetative, flowering, fruiting, or fruit dropping) and whether the tree had any lean (e.g., no lean, slight lean, lean, extreme lean not touching ground, extreme lean touching ground) was noted. An overall assessment of health was made on a grading system: excellent, good, fair, poor, critical, dead standing, dead freshly fallen, dead moderately aged, dead severely aged. See Table 1 below for a description of each health rating. A photograph was taken of each tree in the survey area, excluding trees in the southern buffer area on inaccessible Palmdale Regional Airport property. Photos of individual Joshua trees are

Connie Anderson
September 22, 2022
Revised 10/24/23
Page 4

included as part of the Project's Administrative Record and are available for review at the City of Palmdale (see Attachment A).

Following the field survey, each tree was assessed for its suitability for transplantation/relocation based on a general health assessment and size threshold (height and minimal branching). Per the Palmdale Ordinance, only trees less than or equal to 15 feet in height, and in good condition are recommended for transplanting. Those trees in close proximity to other trees (e.g., clonal) were not selected due to difficulties presented from underground root systems.

TABLE 1
JOSHUA TREE HEALTH ASSESSMENT RATINGS

Health Rating	Description
Excellent	Tree has excellent health and strong vigor. No damage. Flowering and fruiting expected. Typically, only given to large, high quality specimens (>13 feet in height). Transplanting generally not recommended due to size. Avoidance recommended.
Good	Tree has good health and vigor. All branches are alive and healthy. Damage is very localized and minimal. Flowering and fruiting likely. Tree is transplantable.
Fair	Tree health average. Some stressors or damage possible, however any damage is minimal to moderate (e.g., rodent grazing, or insect damage). No dead/broken branches. Tree is transplantable.
Poor	Tree under stress, and overall health in decline, or tree has taken significant damage. Mortality likely unless stressors relieved, and/or conditions change. Broken/dead limbs likely present. Tree is generally not transplantable.
Critical	Tree in extreme decline. One or more branches dead. One or more branches dying. Physical damage likely present. Damage is significant and extensive. Mortality expected within 2 to 4 years. Tree is not transplantable.
Dead; Standing	Tree is dead (no/few green leaves) but still standing.
Dead; Freshly Fallen	Tree is dead and fallen but appears freshly fallen based on intact branches and leaves. Can likely record other data for these trees such as height.
Dead; Moderately Aged	Tree is dead and fallen and appears to have been on the ground a while, portions of the inner system exposed, plants growing up between branches, etc. May not be possible to record any other data.
Dead; Severely Aged	Tree is dead and fallen and is broken into many smaller pieces, few/no leaves left on the dead specimen. Not possible to record any other data.

SURVEY RESULTS

A total of 8,196 western Joshua trees (or colonies) were documented in the survey area; 6,644 living and 1,552 dead. Of the 8,196 total documented Joshua trees (or colonies), 7,184 are on-site and 1,012 are located off-site within the survey buffer area (Table 2). A map of the tree locations can be found on Exhibit 3. A detailed data table of each tree and corresponding attributes, as well as those trees potentially suitable for transplantation, can be found in Attachment B.

TABLE 2
SUMMARY OF SURVEY RESULTS

Total Joshua Trees in Survey Area	Total Joshua Trees On-Site	Total Joshua Trees Off-Site	Living Joshua Trees On-Site	Living Joshua Trees Off-Site	Total Living Joshua Trees	Total Dead Joshua Trees
8,196	7,184	1,012	5,757	887	6,644	1,552

Connie Anderson
September 22, 2022
Revised 10/24/23
Page 5

The Joshua trees on the Project site are most numerous in the south, southeast, and eastern portions of the site, and gradually becoming sparser moving to the west, northwest, and north. The majority of the trees in the survey are growing clonally, with very dense colonies occurring near the central-southern portion of the site. Evidence of historical mechanical disturbance in the center and northern portions of the site is visible from aerial photographs which coincides with sparser Joshua tree occurrences. In addition, illegal off-road vehicular disturbances and trash dumping occurs in the central-eastern portion of the site and this area also coincides with sparser Joshua tree occurrences.

CONCLUSIONS

Of the 8,196 Joshua trees located in the survey area, 1,441 were marked “yes” for being potentially suitable for transplantation (Table 2). This conclusion was based on: (1) trees which were less than 15 feet tall (approximate); (2) in good health; (3) not clonal; (4) not excessive branching; and (5) trees that did not exhibit lean or extreme lean. Trees with mammal burrows at the base were also excluded.

The City of Palmdale requires avoidance of Joshua trees to the maximum extent practicable. A qualified City-approved biologist or arborist should be retained to conduct any future relocation/transplanting activities and should follow Cities Municipal Code protocols in Section 14.04.060, titled Joshua Tree Relocation Methodology. The City may default mitigation requirements to the CDFW if an ITP is issued. One California juniper tree (*Juniperus californica*), a species regulated by the City of Palmdale, was recorded on-site, and is included in the Focused Special Status Plant/Desert Native Plant Survey Report prepared for the Project.

Psomas appreciates the opportunity to assist on this project. If you have any comments or questions, please call Marc Blain at (626) 351-2000.

Sincerely,

PSOMAS



Marc T. Blain
Senior Project Manager/Biologist



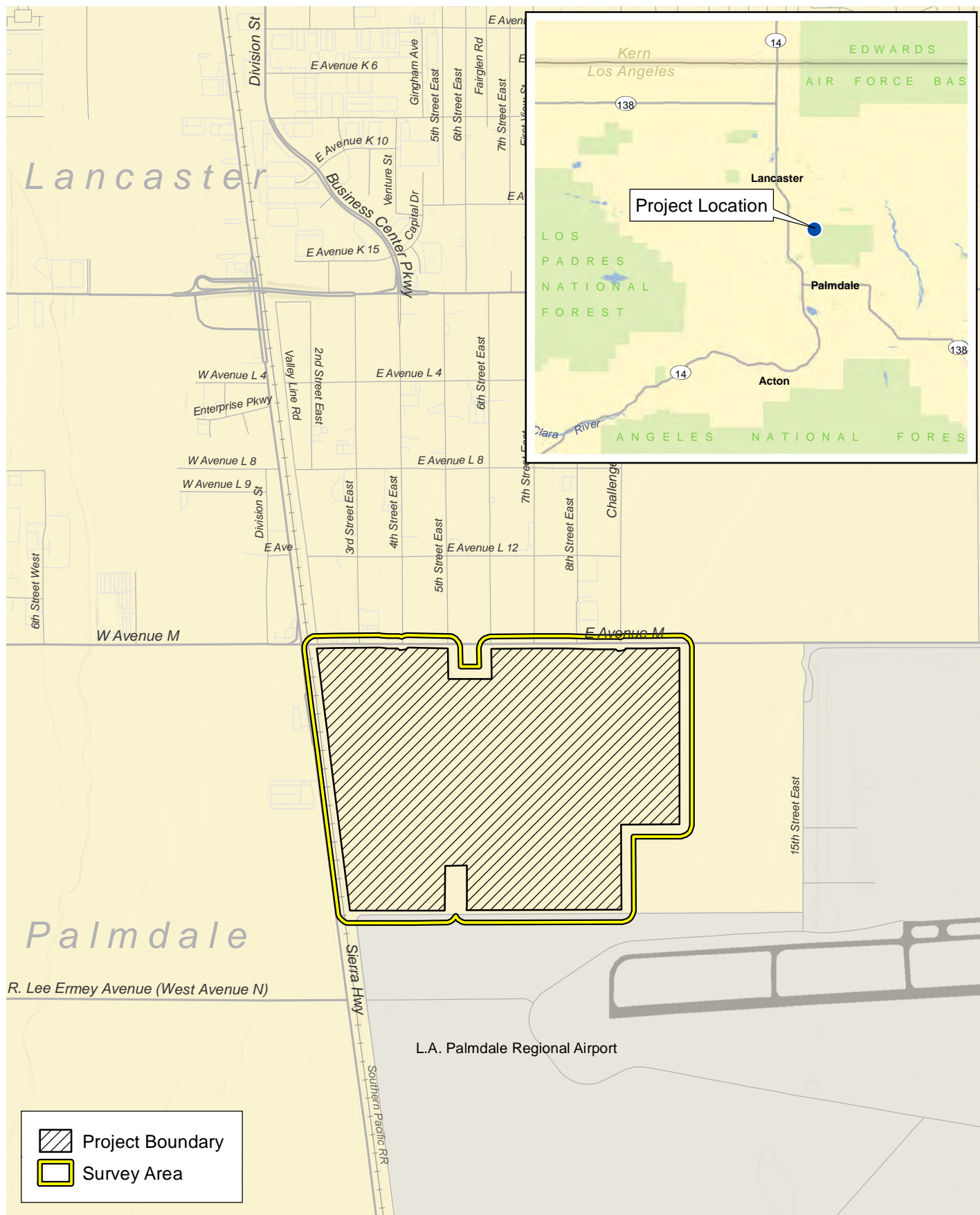
Trevor Bristle
Certified Arborist

Enclosures: Exhibit 1 – Regional Location and Local Vicinity
 Exhibit 2 – USGS Quadrangle Map
 Exhibit 3 – Survey Results Map
 Attachment A – Joshua Tree Photographs
 Attachment B – Joshua Tree Survey Data Table

Connie Anderson
 September 22, 2022
 Revised 10/24/23
 Page 6

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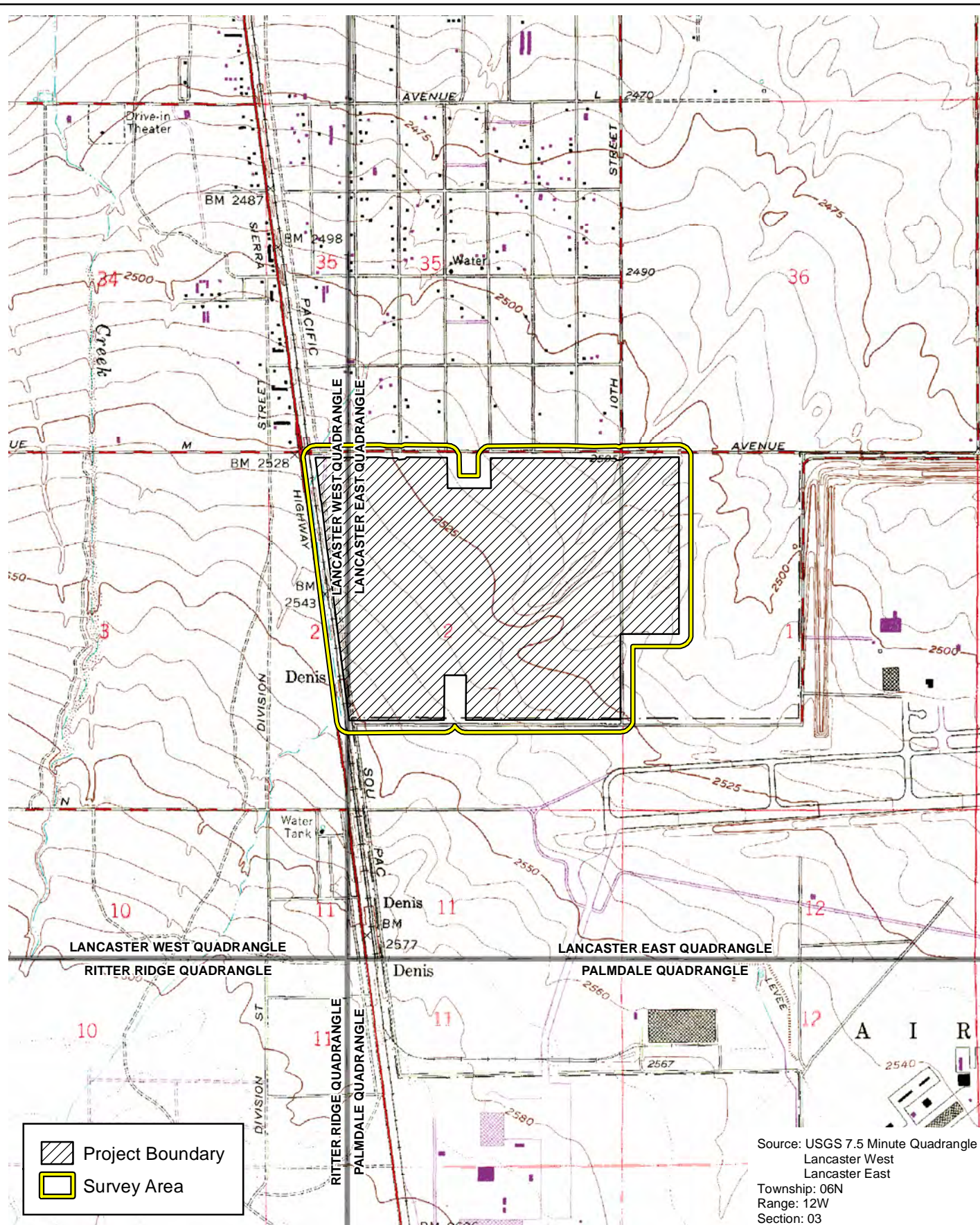


Regional Location and Local Vicinity Antelope Valley Commerce Center Project

Exhibit 1



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USGS Quadrangle Map

Antelope Valley Commerce Center Project

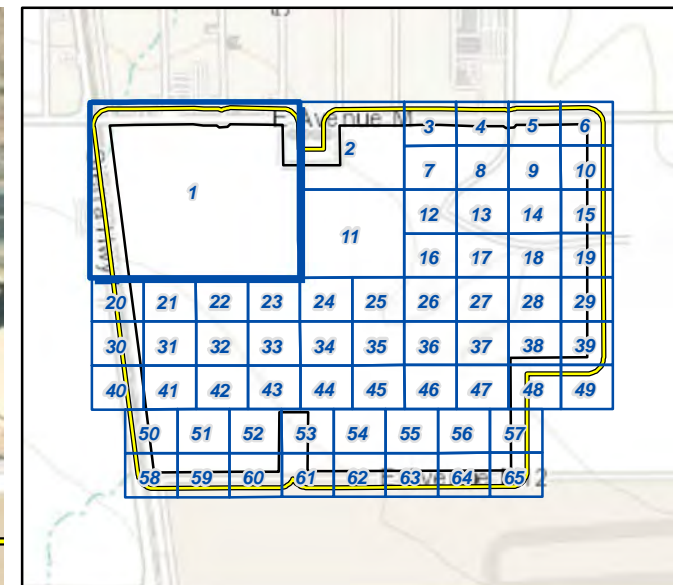


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Exhibit 2



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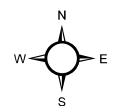
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 100 200 400 Feet

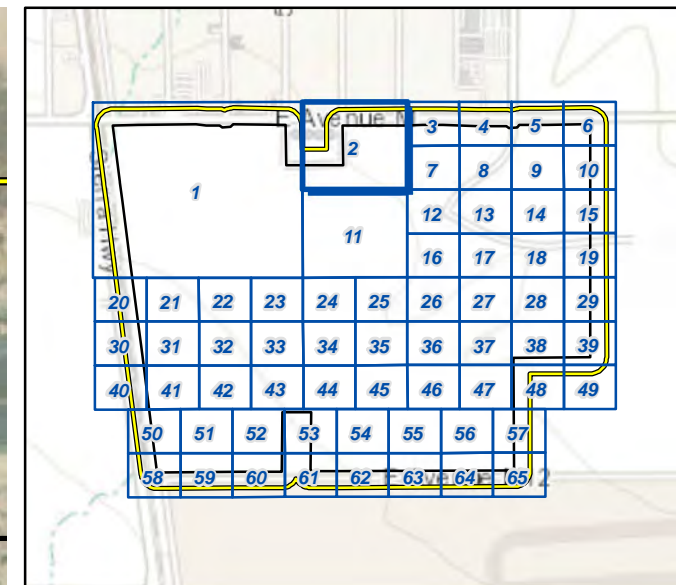
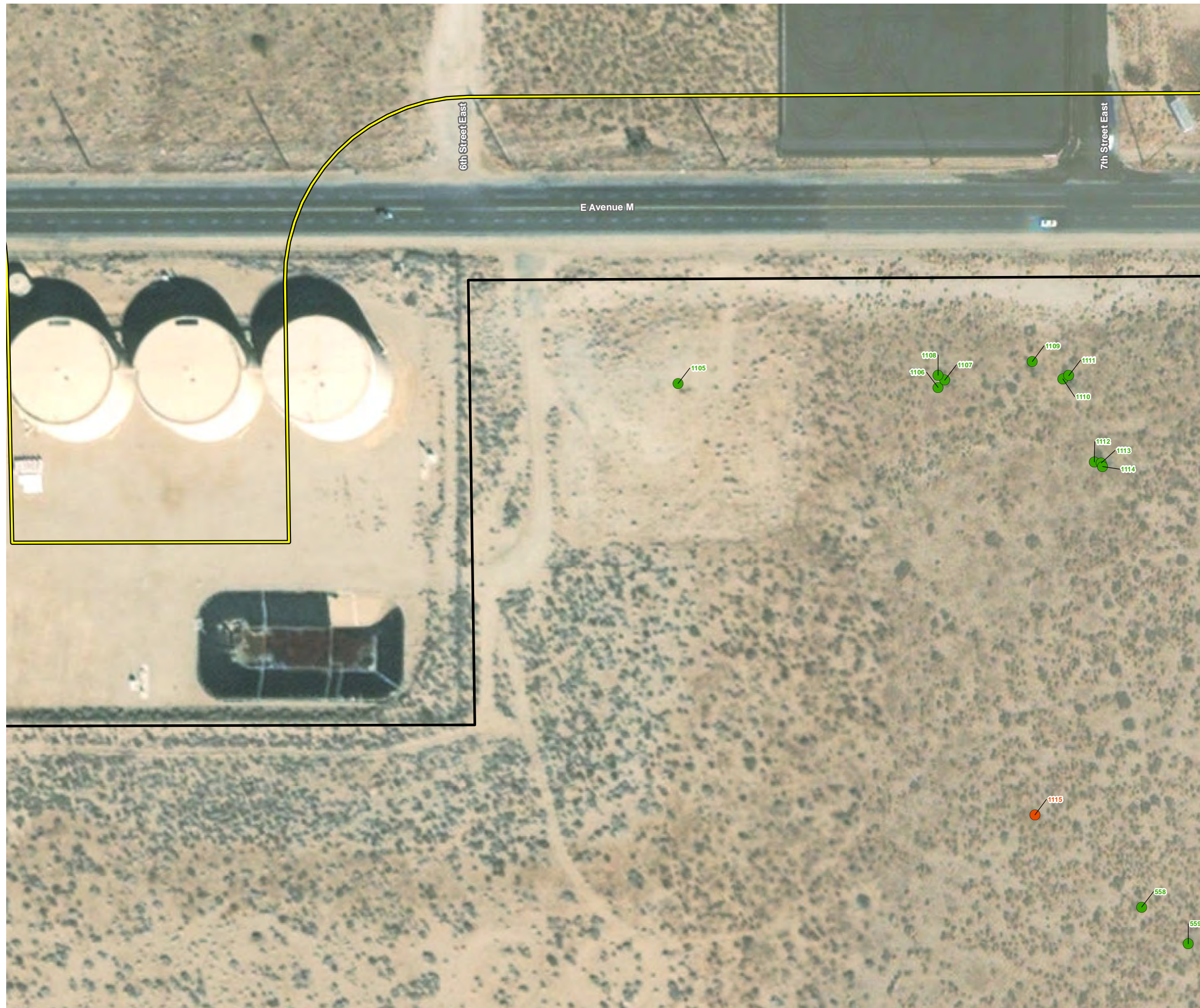
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Survey Results Map Exhibit 3-1

Antelope Valley Commerce
Center Project

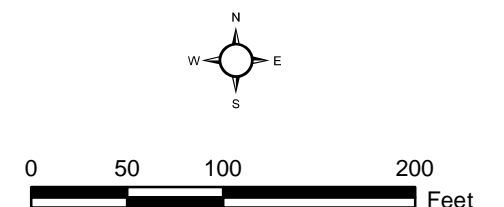


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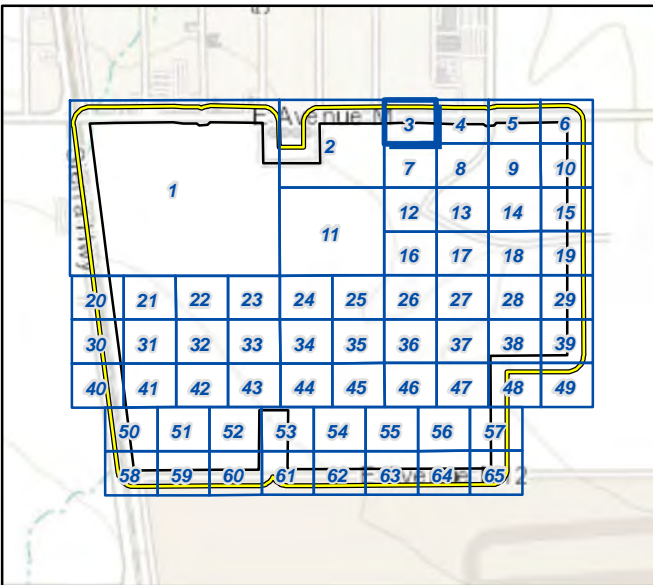
- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
 - western Joshua tree
 - dead western Joshua tree

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Aerial Source: Esri, Maxar 2021

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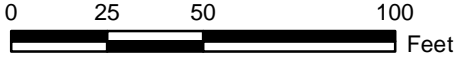
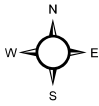
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

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- dead western Joshua tree

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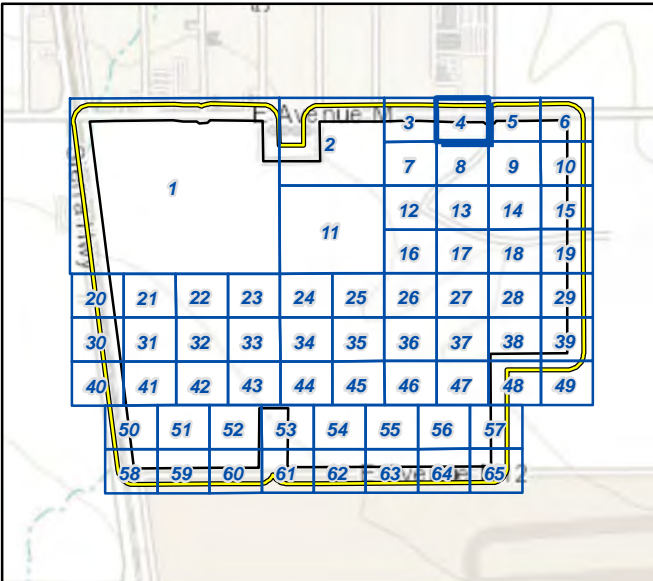
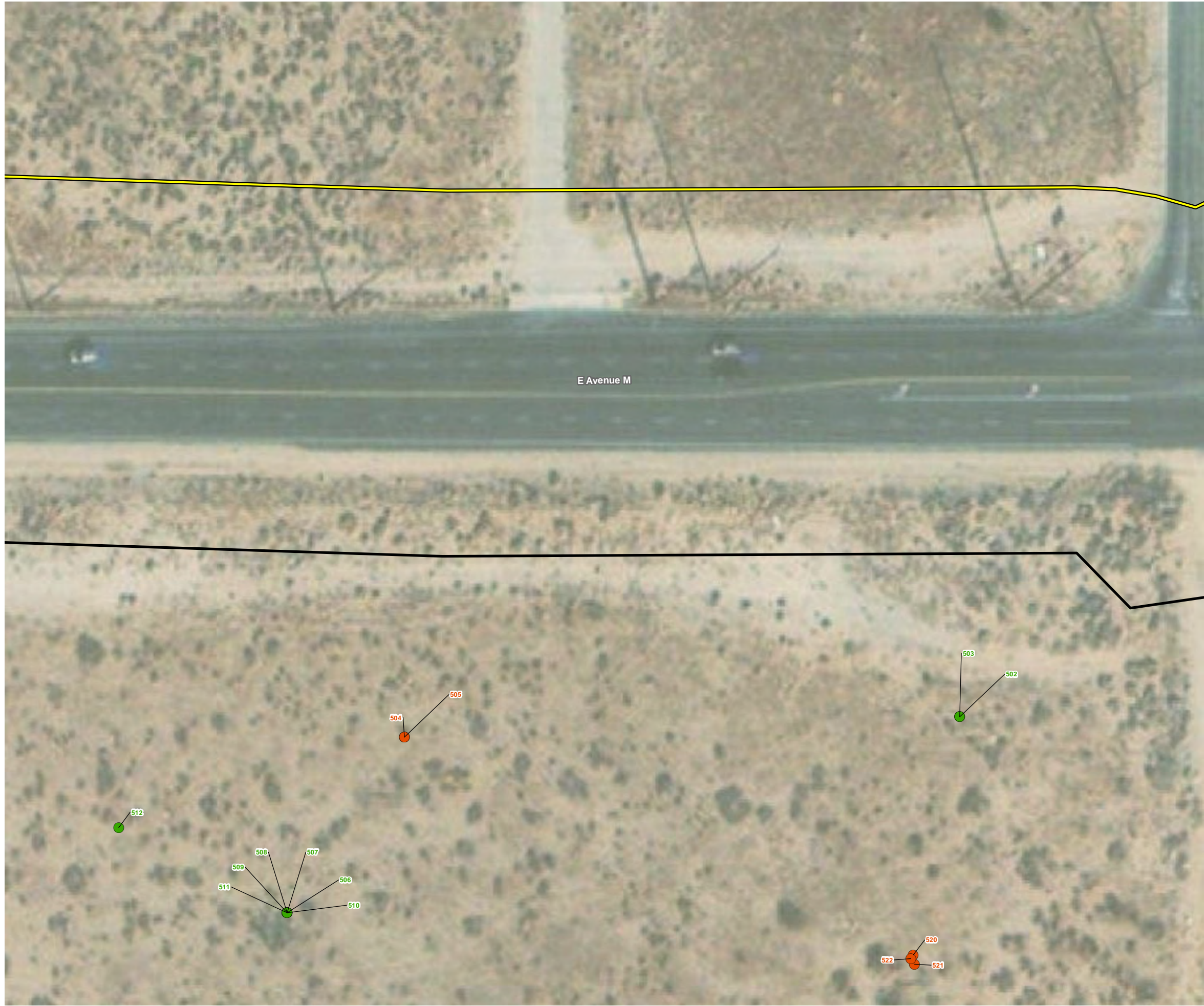
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Survey Results Map Exhibit 3-3

Antelope Valley Commerce Center Project



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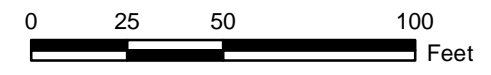
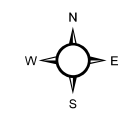


- Project Boundary
- 186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

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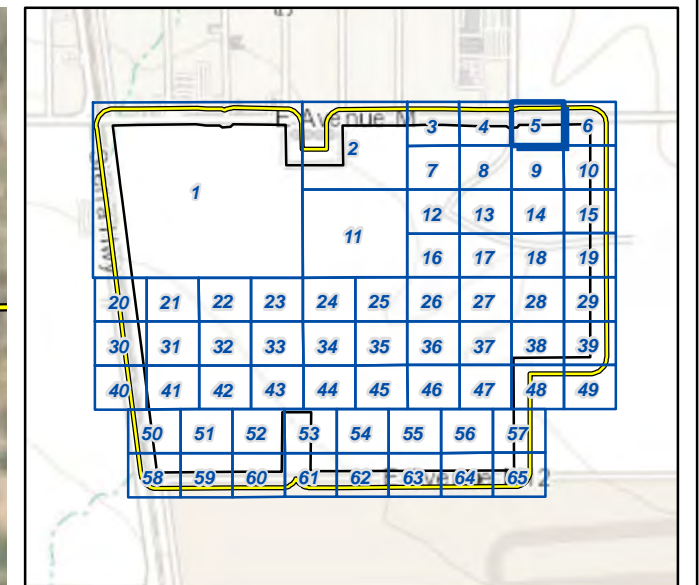
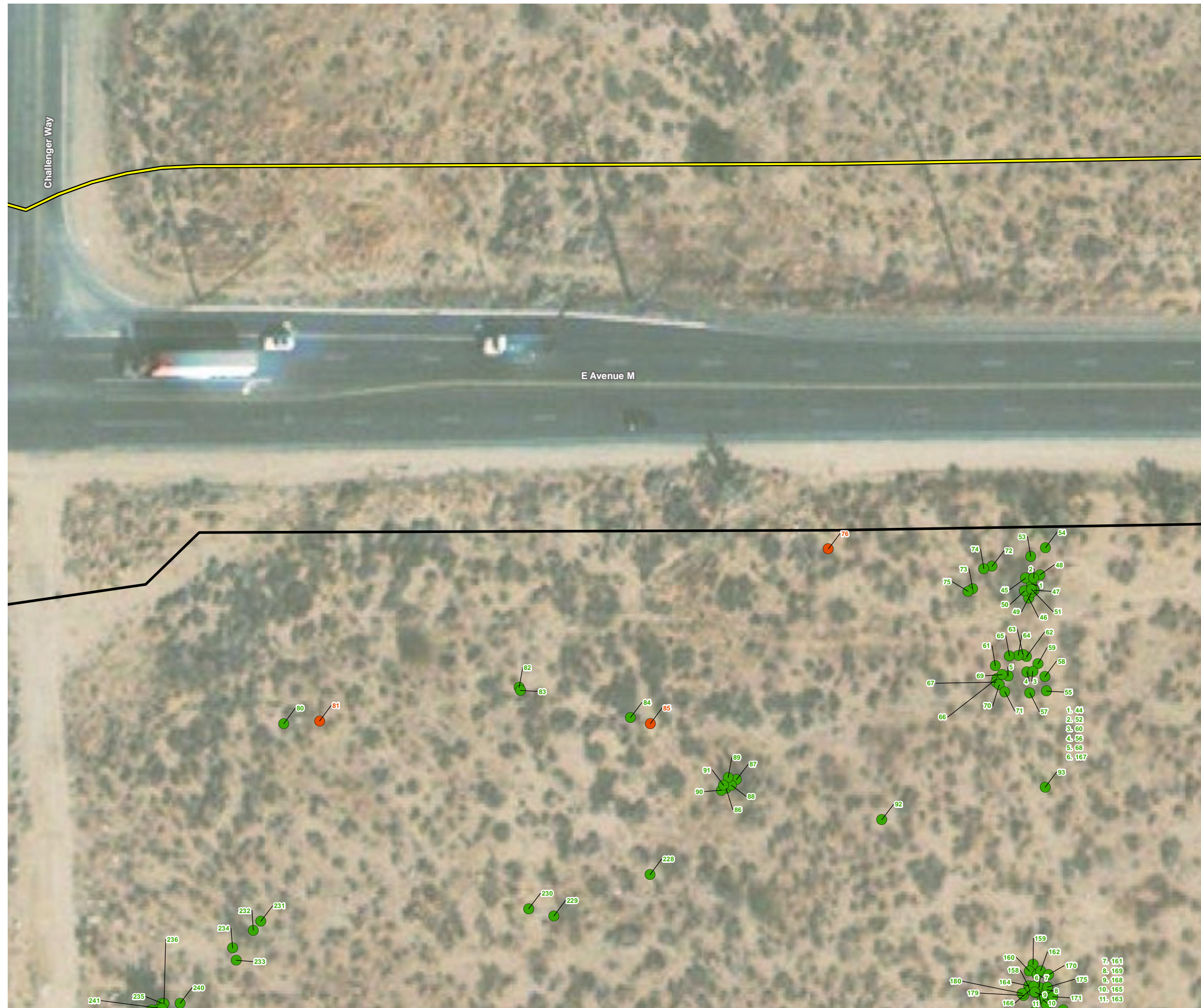
Survey Results Map Exhibit 3-4

Antelope Valley Commerce Center Project



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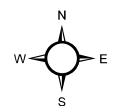
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

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- dead western Joshua tree

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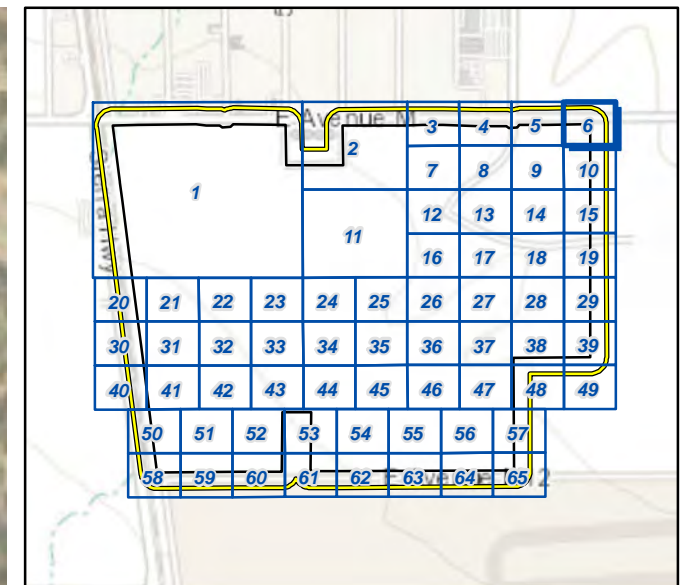
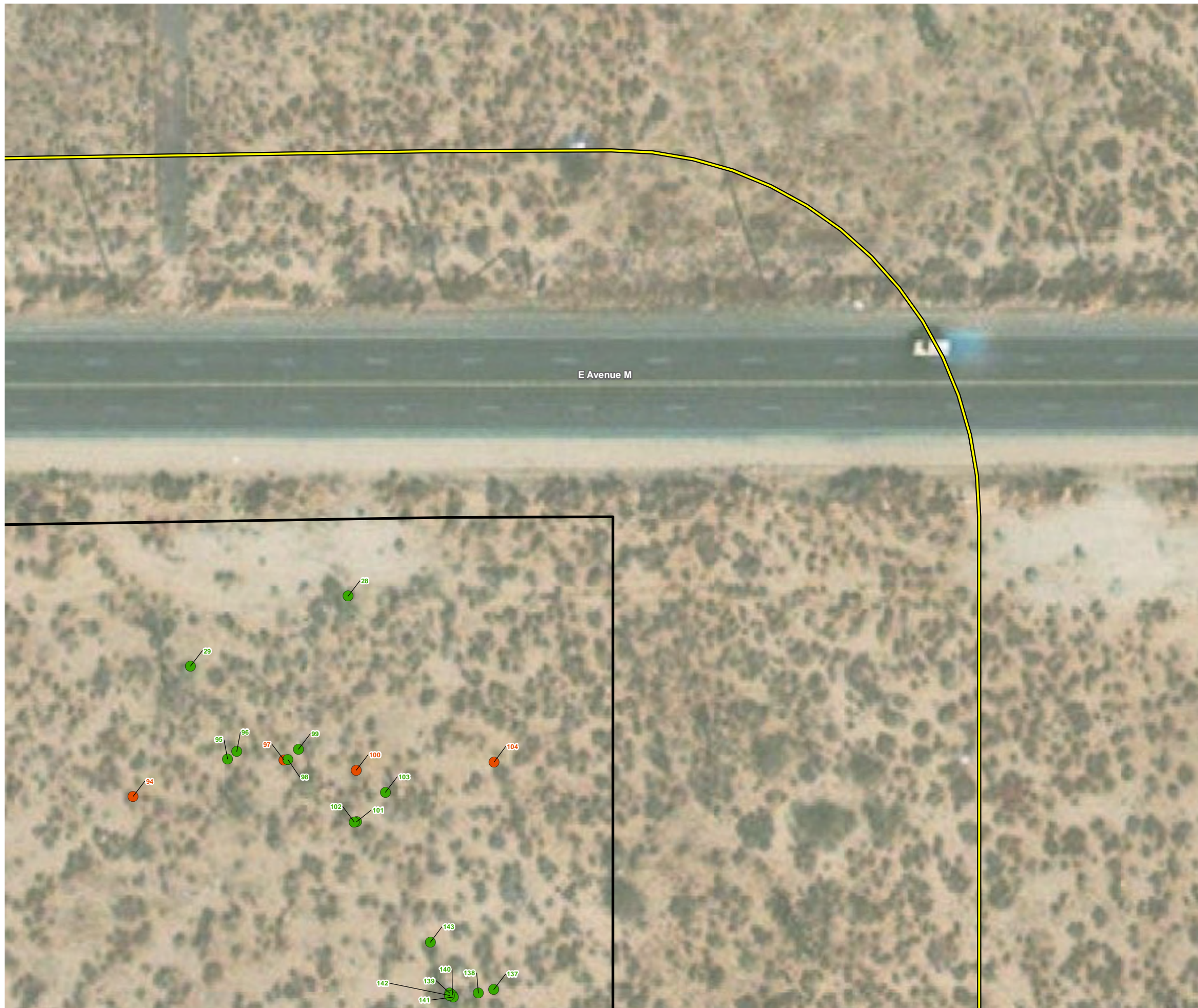
Survey Results Map Exhibit 3-5

Antelope Valley Commerce
Center Project




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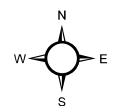
 Project Boundary

 186-foot Survey Buffer

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

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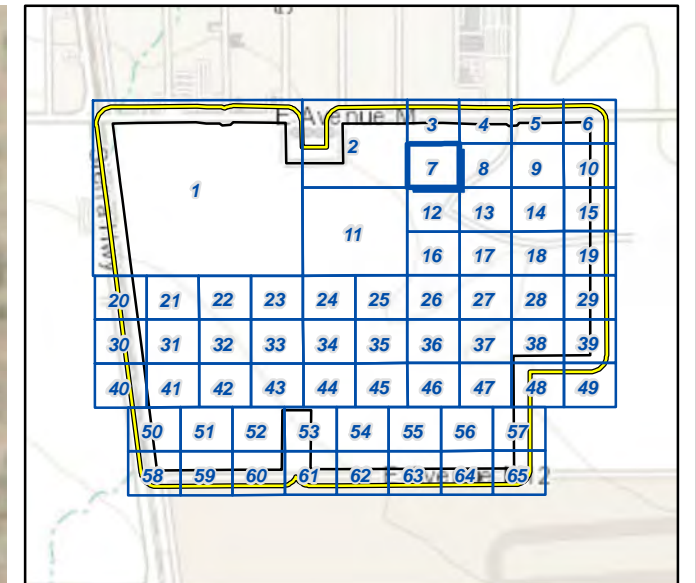
Survey Results Map Exhibit 3-6

Antelope Valley Commerce
Center Project



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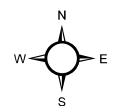
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

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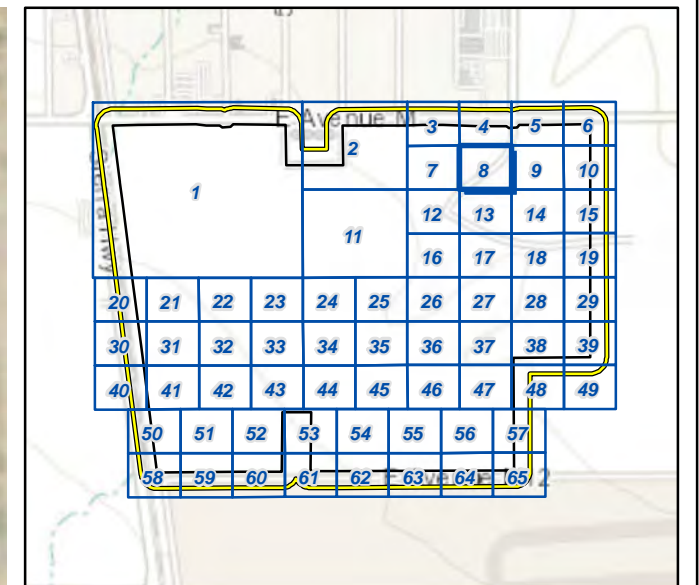
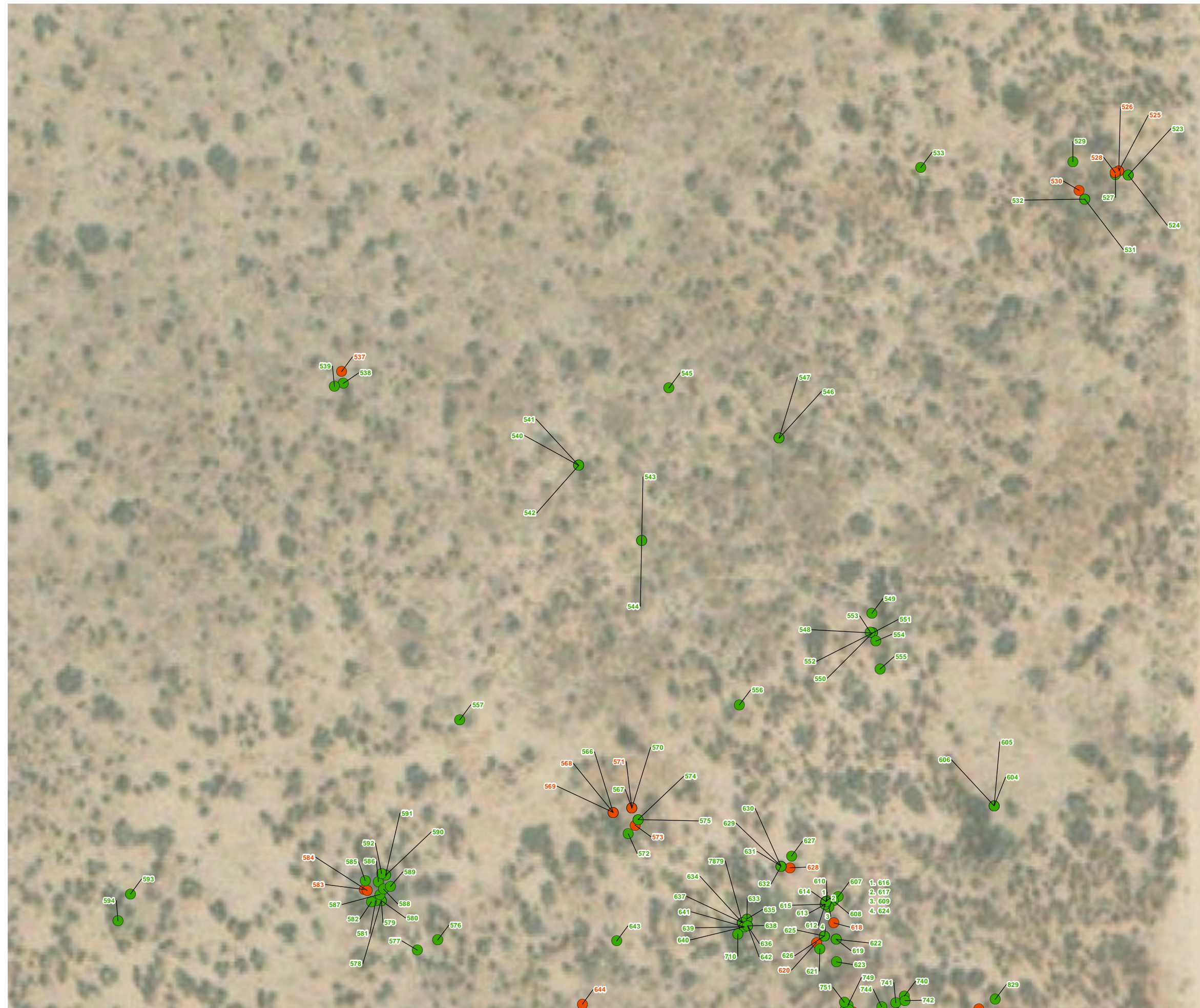
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Survey Results Map Exhibit 3-7

Antelope Valley Commerce
Center Project

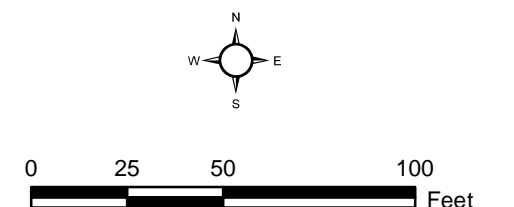


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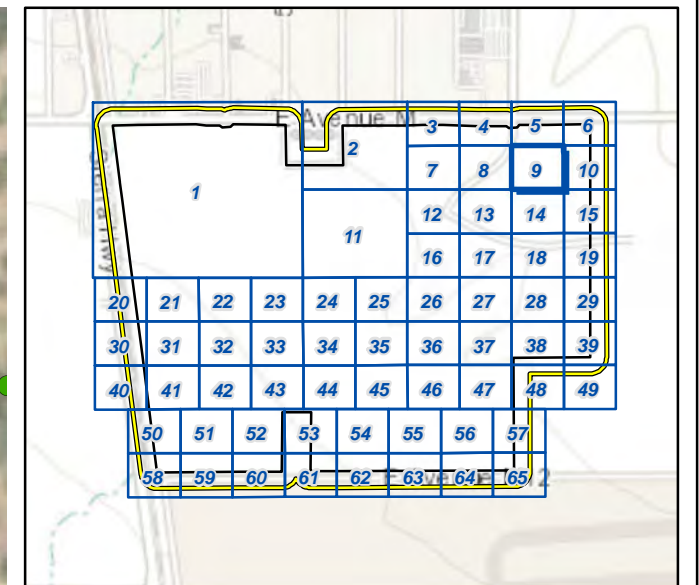
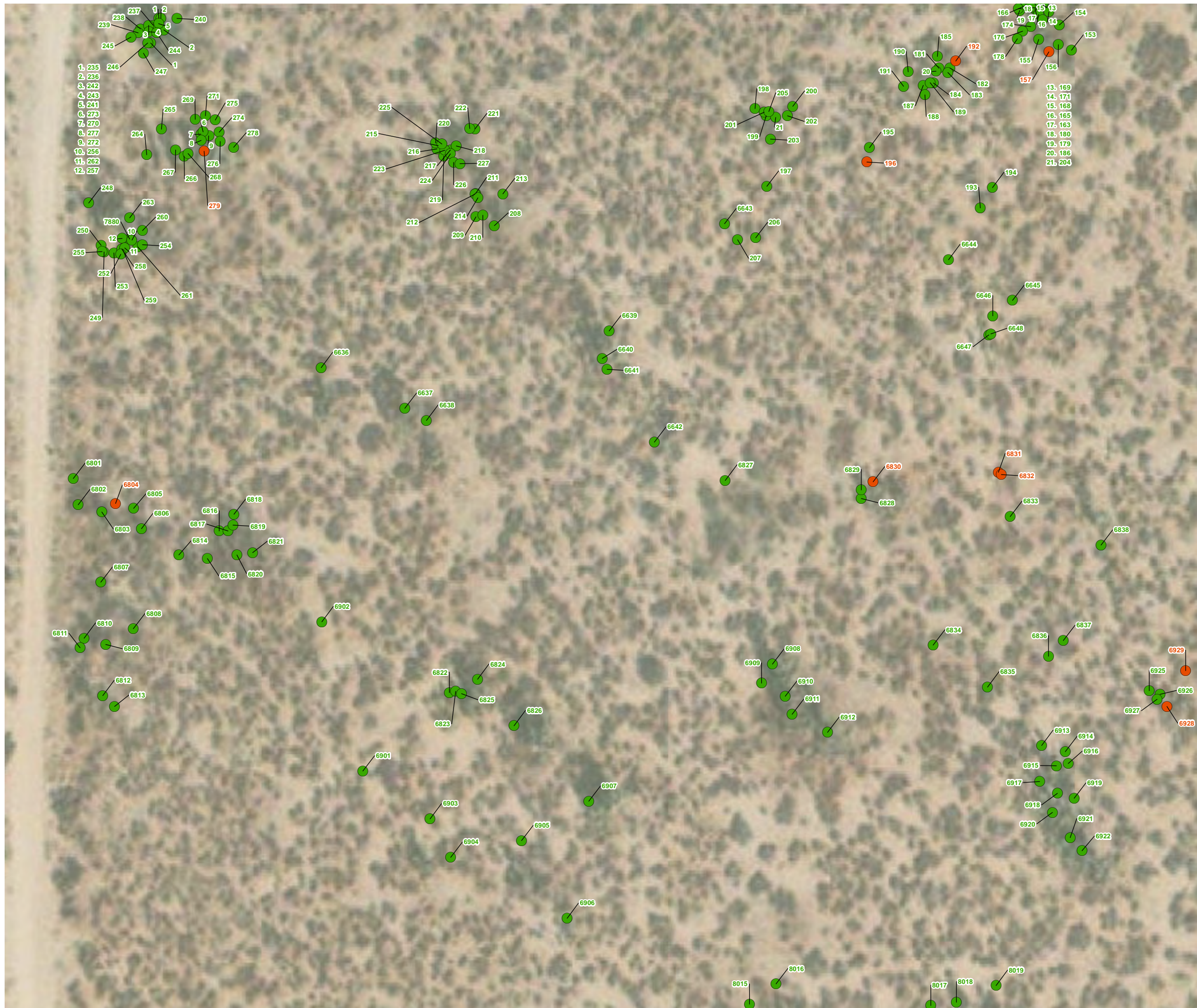
- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



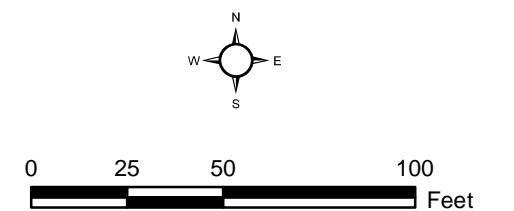
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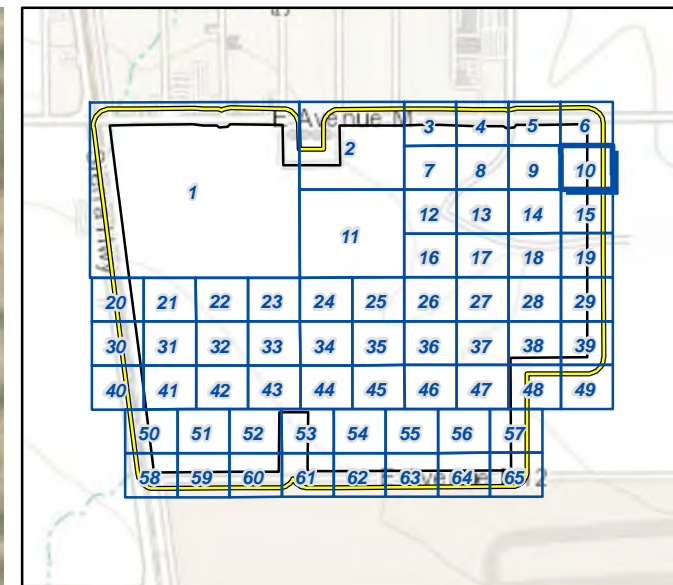
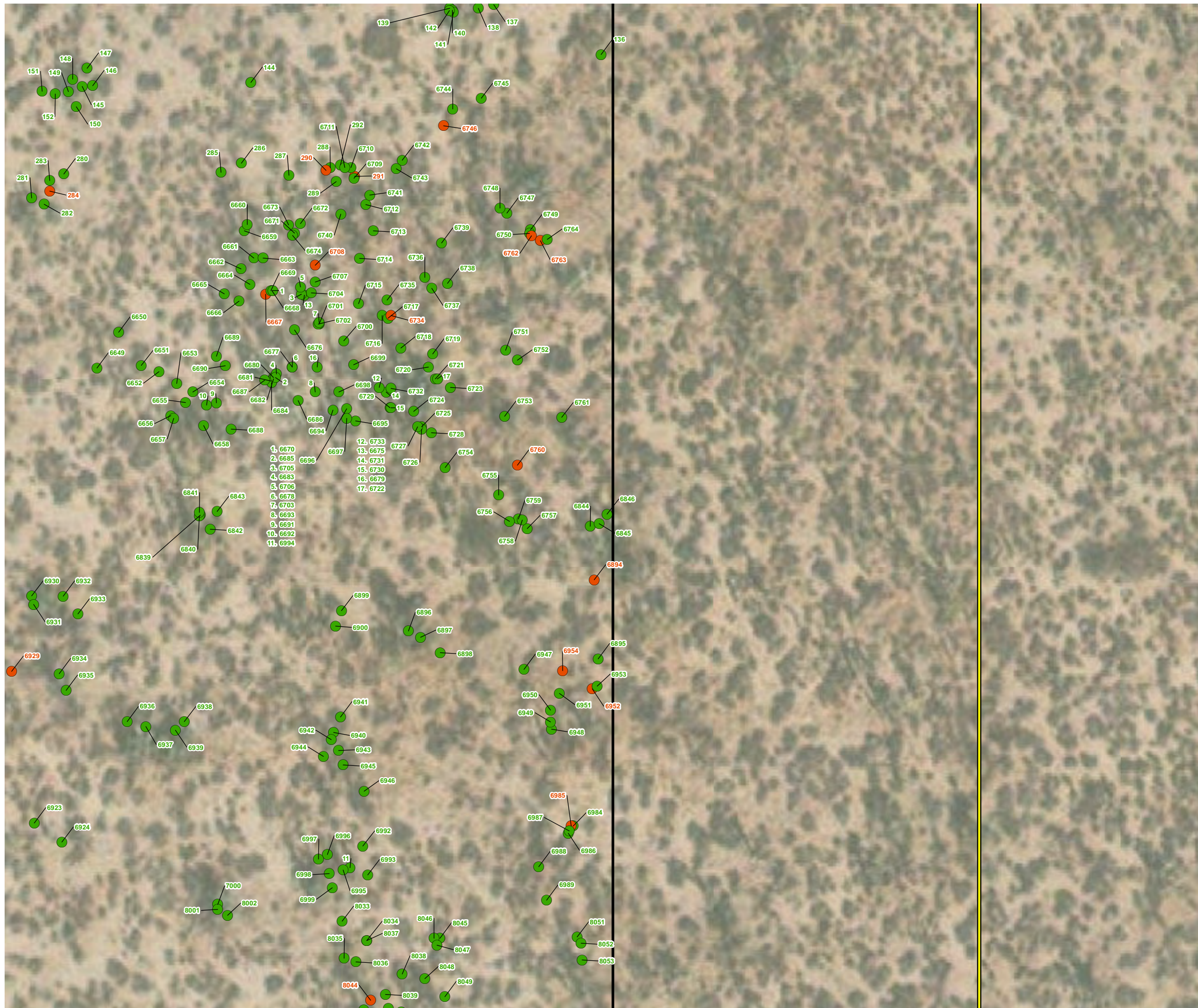
- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
 - western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

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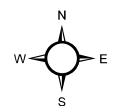
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

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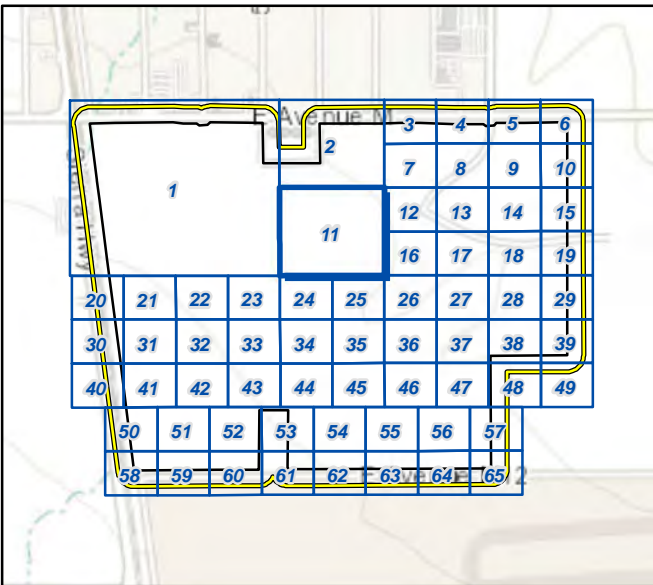
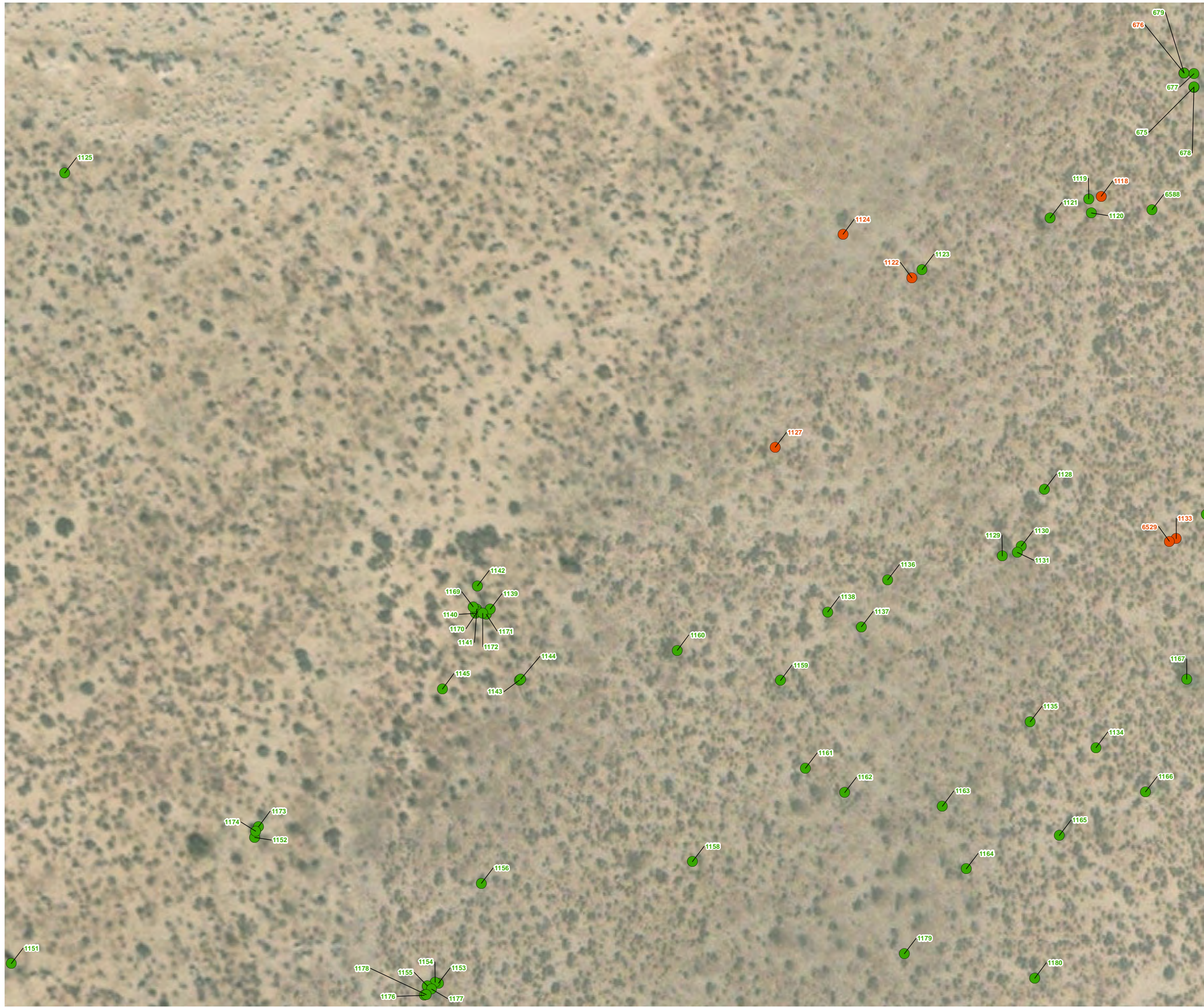
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Survey Results Map Exhibit 3-10

Antelope Valley Commerce
Center Project



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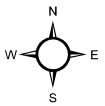
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 50 100 200 Feet

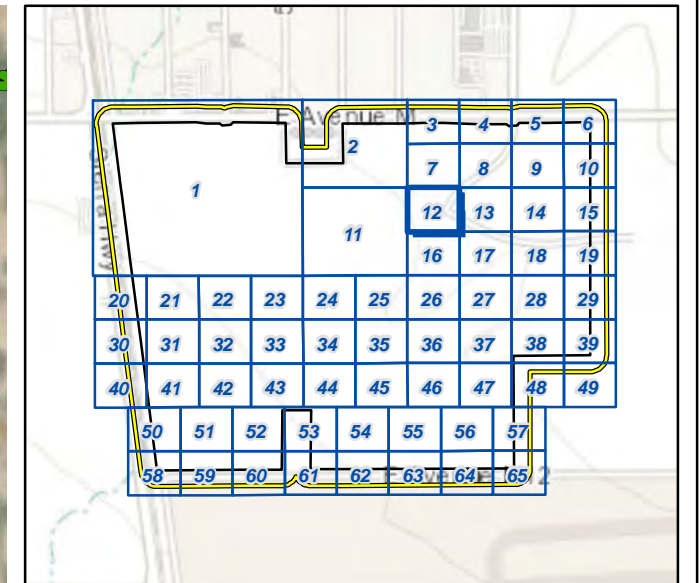
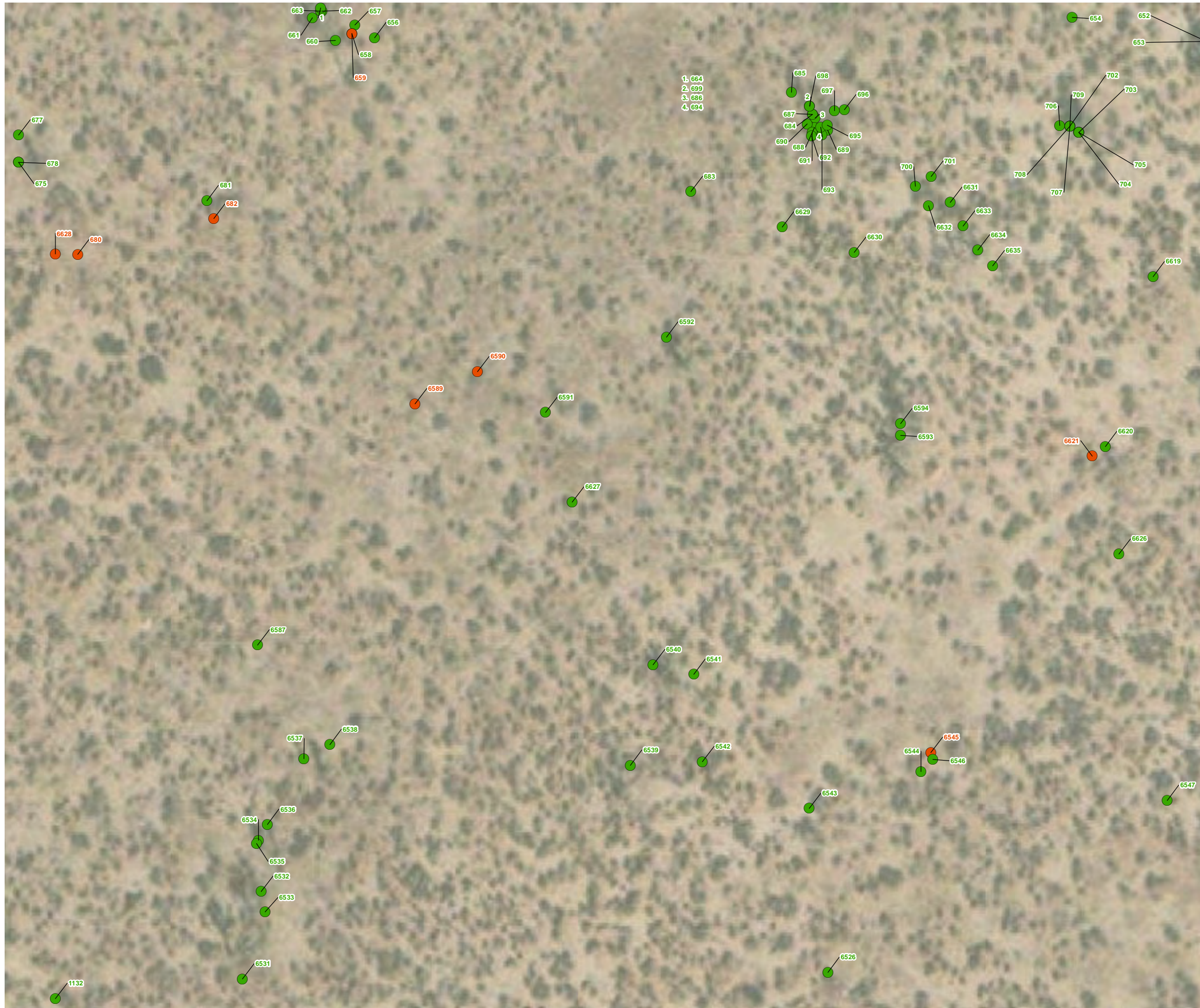
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Survey Results Map Exhibit 3-11

Antelope Valley Commerce
Center Project



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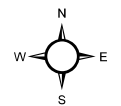
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

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0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

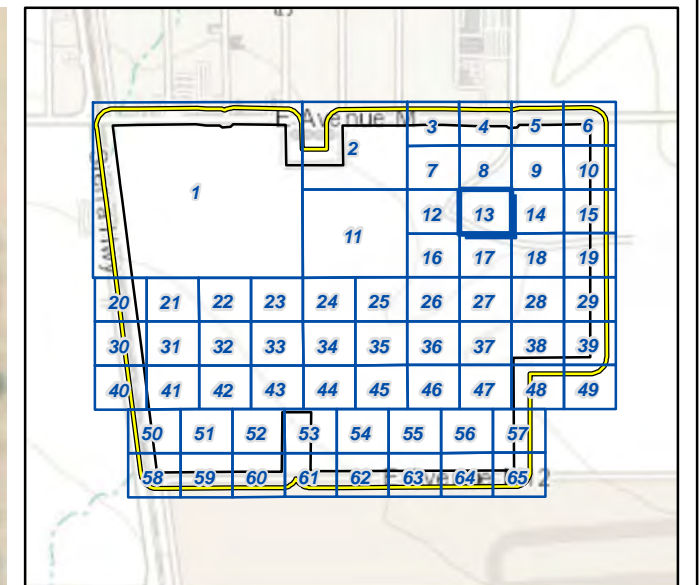
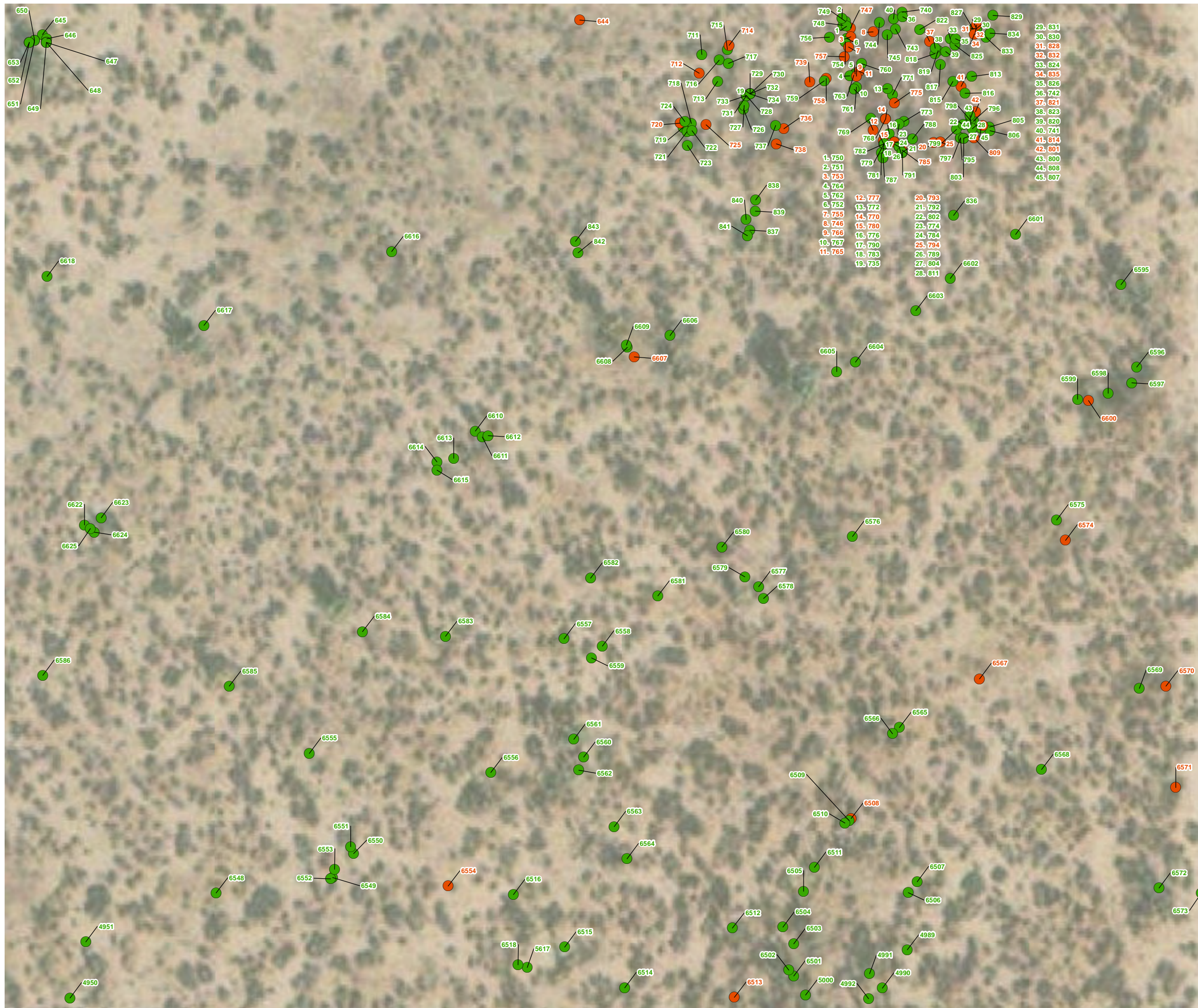
Survey Results Map Exhibit 3-12

Antelope Valley Commerce
Center Project



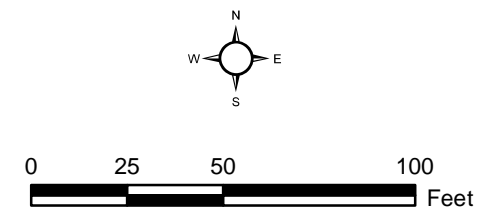
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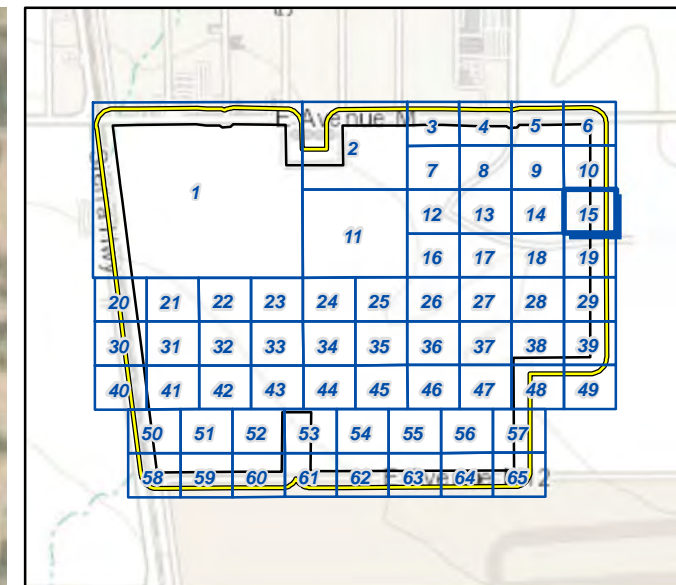
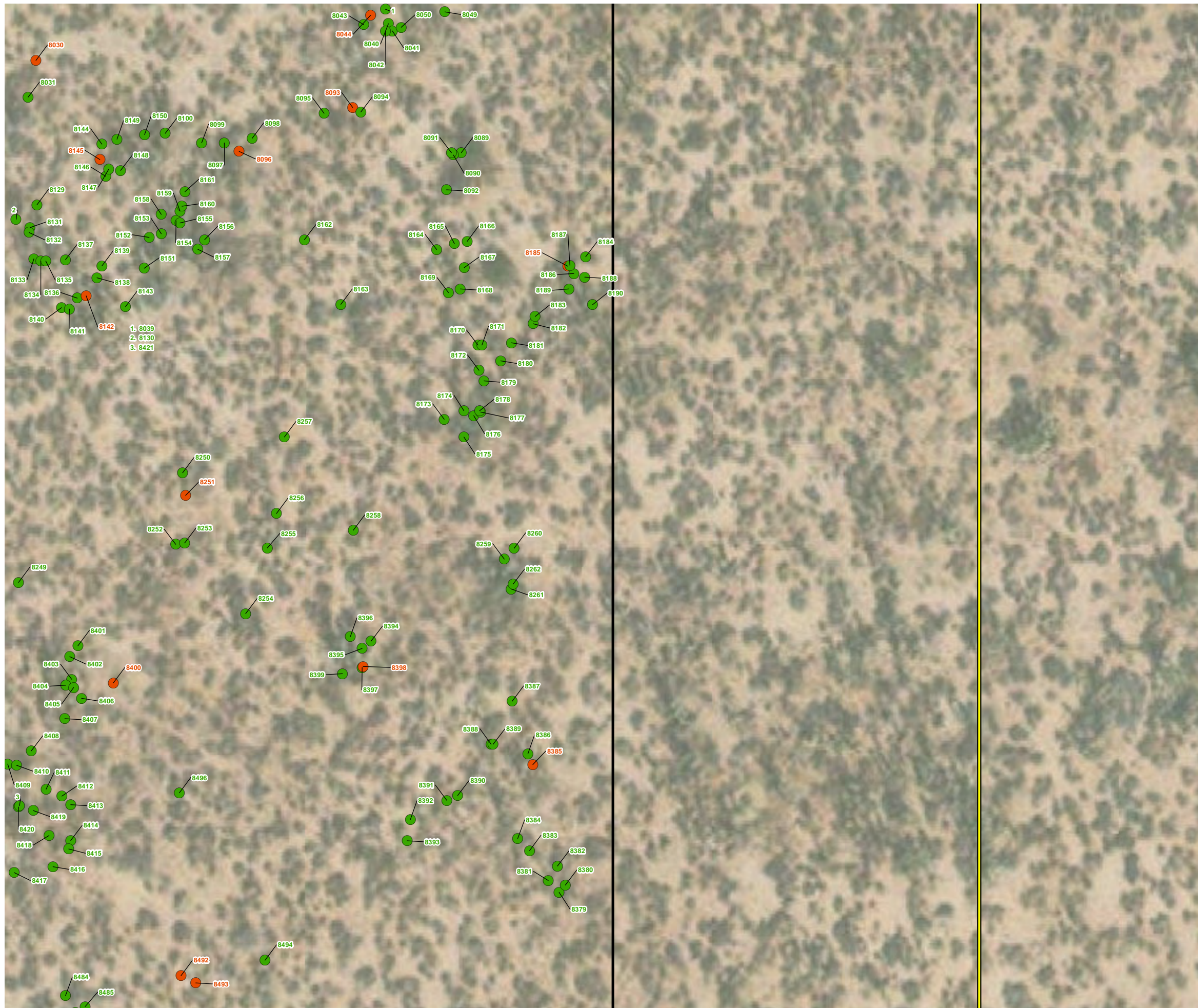
- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



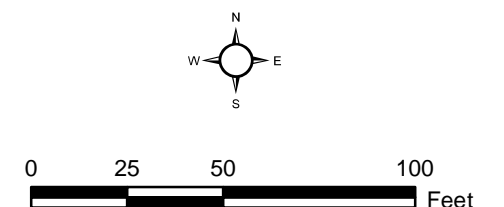
Aerial Source: Esri, Maxar 2021

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

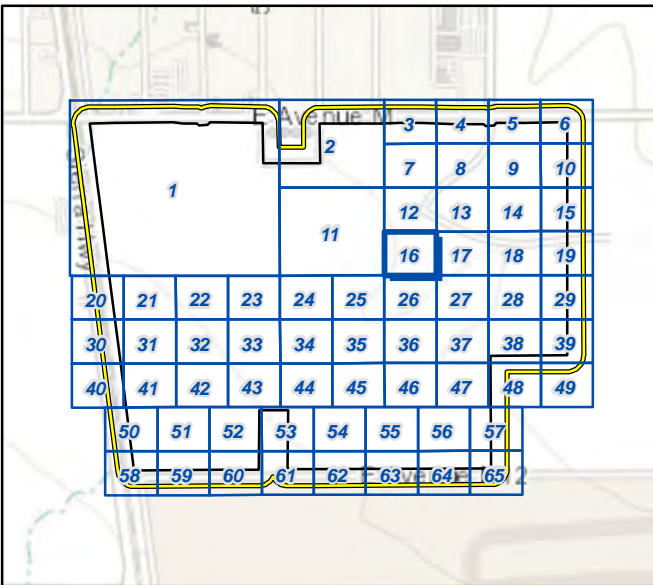
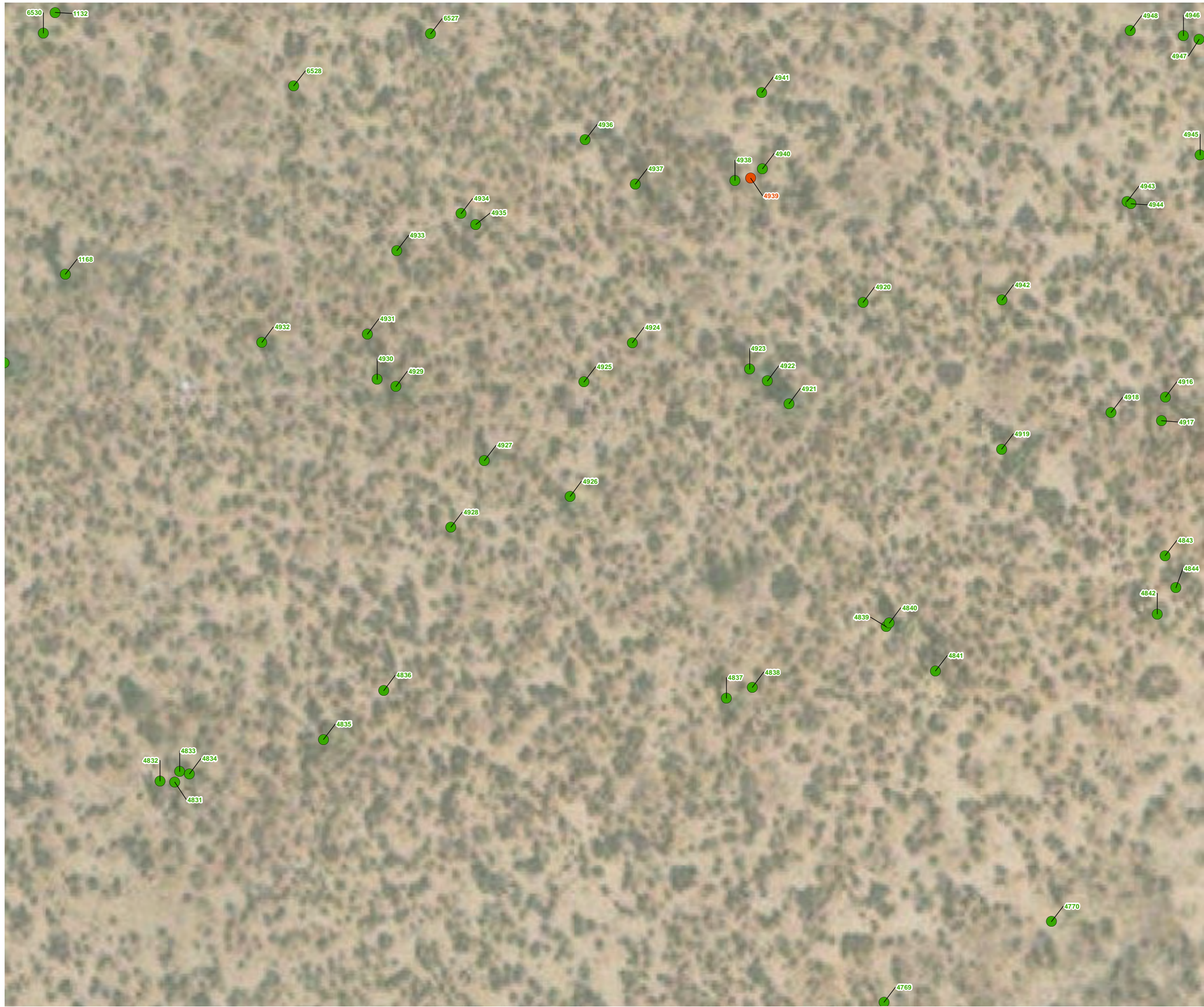
Survey Results Map Exhibit 3-15

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\lex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



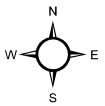
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

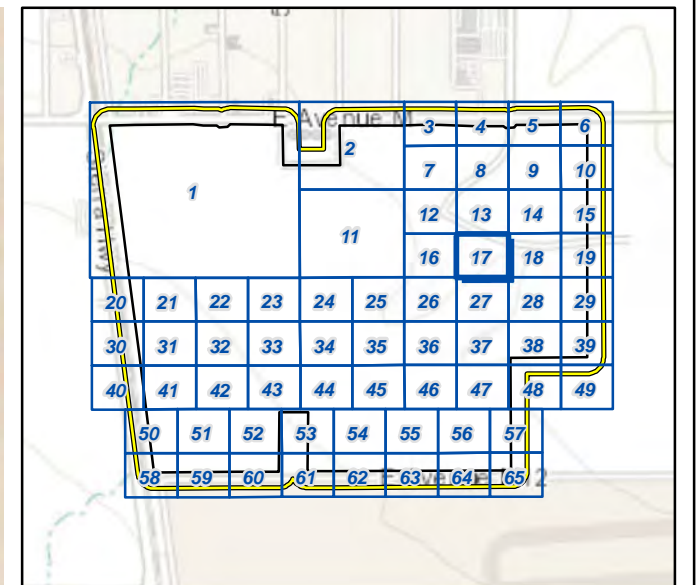
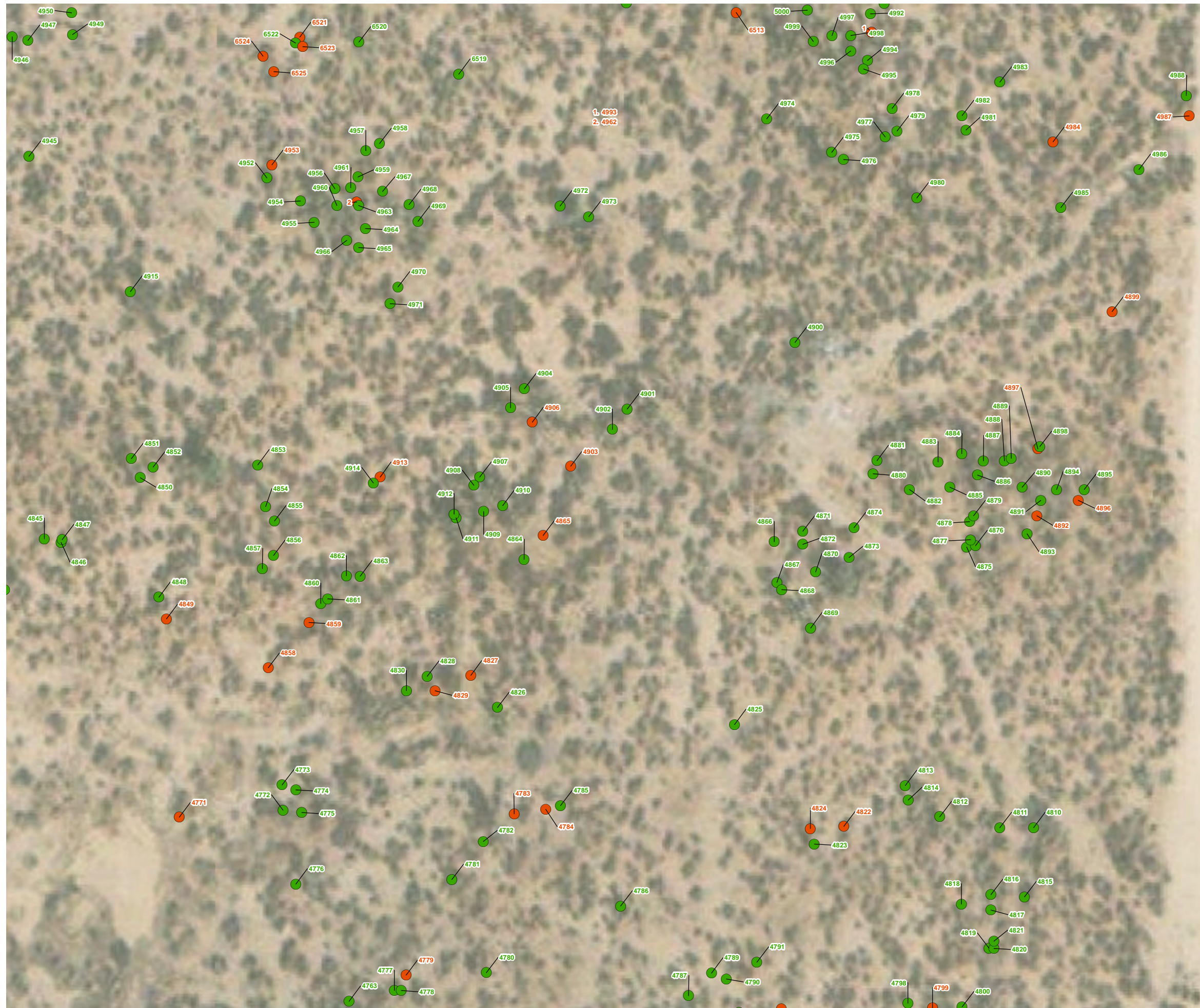
Survey Results Map Exhibit 3-16

Antelope Valley Commerce
Center Project



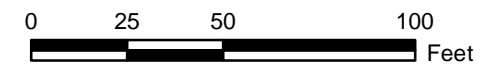
(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\UTex_JoshuaTree_Results_2020922_v2.mxd



- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

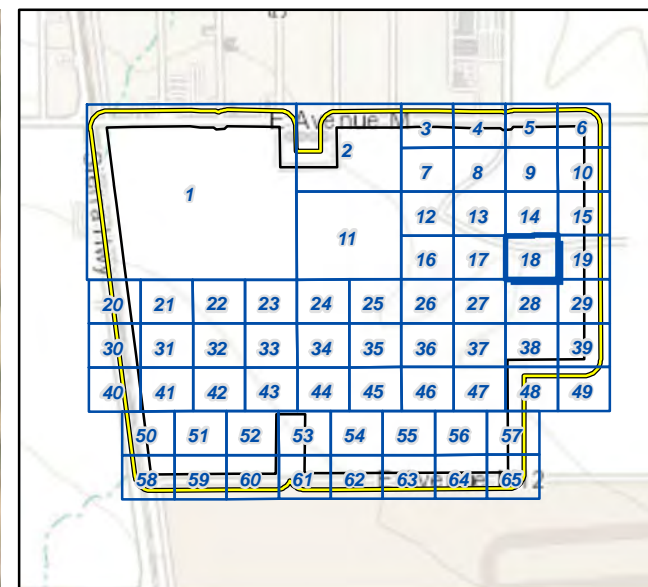
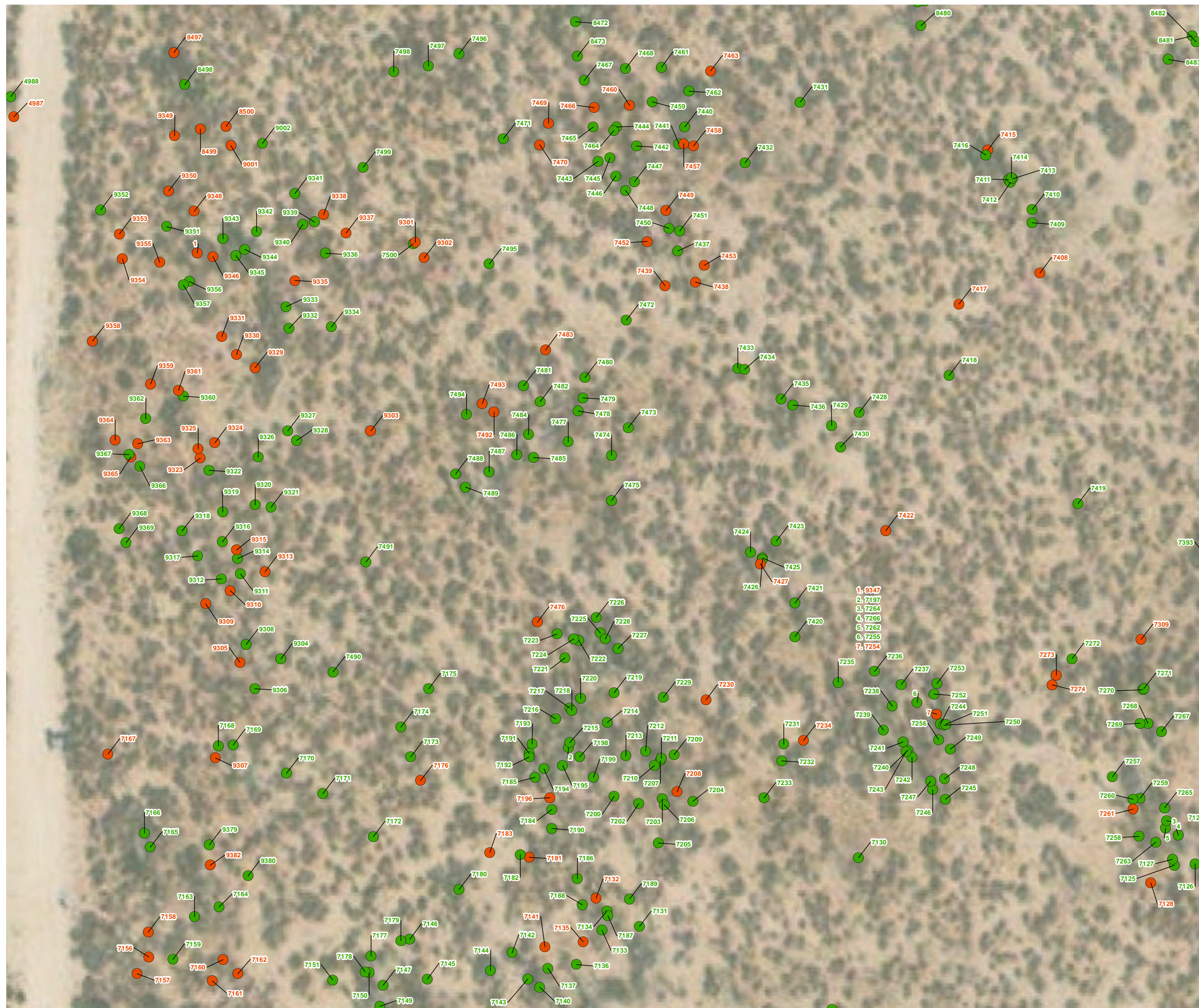
Survey Results Map Exhibit 3-17

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



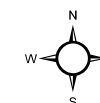
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

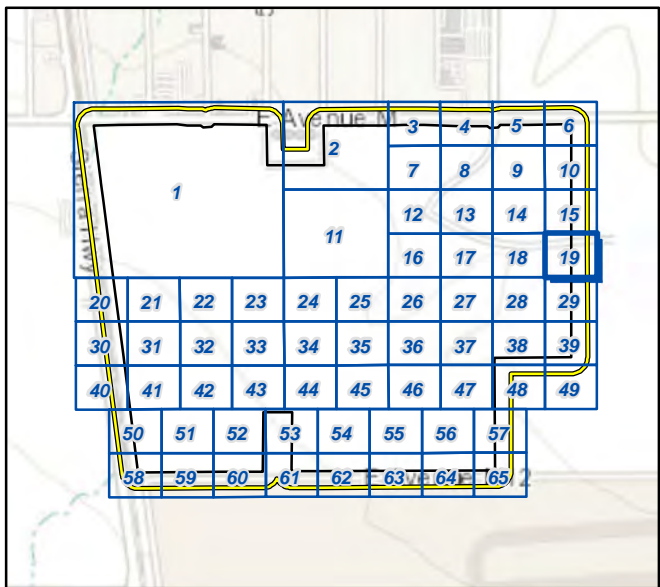
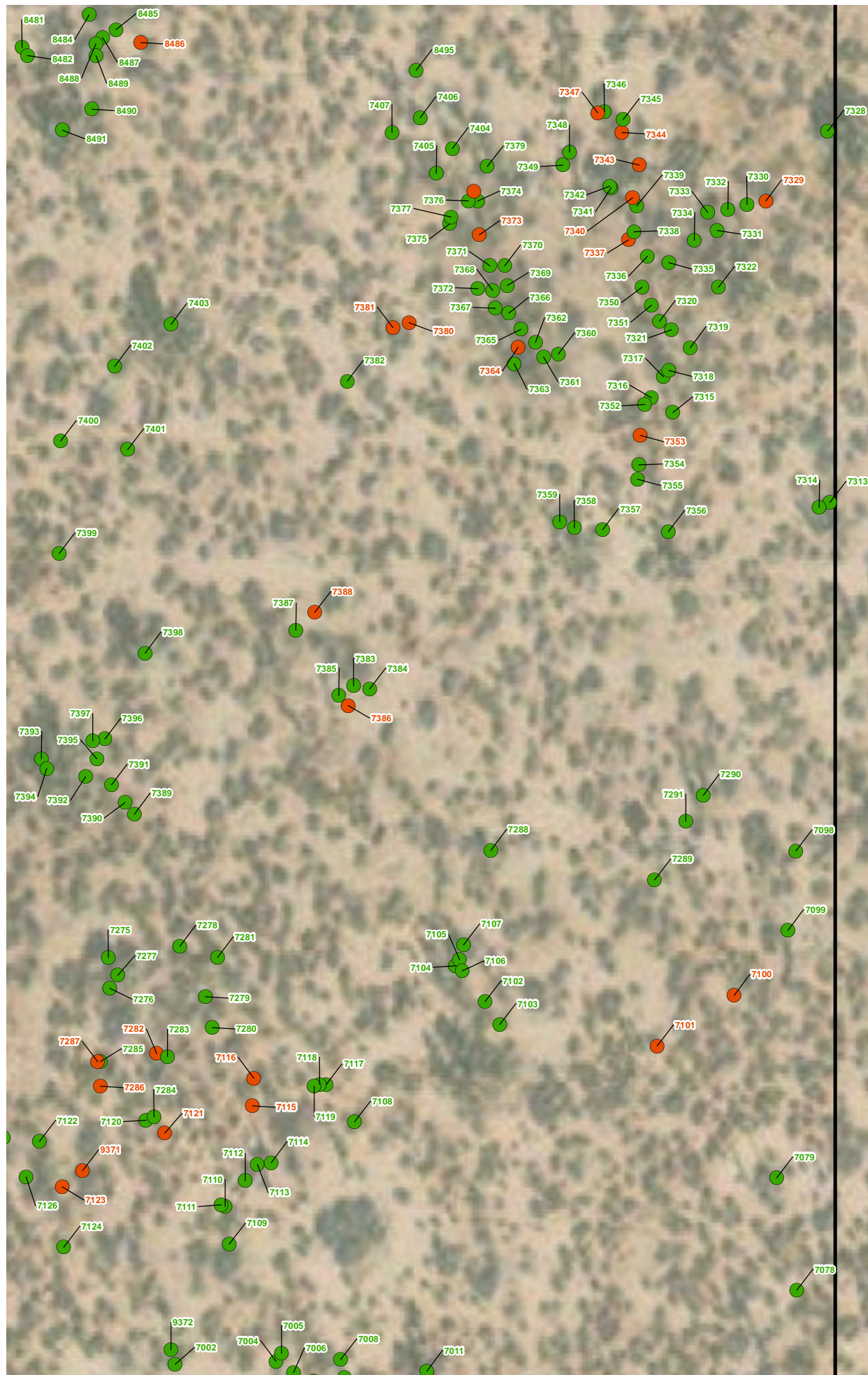
Survey Results Map Exhibit 3-18

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\3TBP\010200\Graphics\JTex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



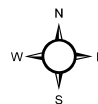
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

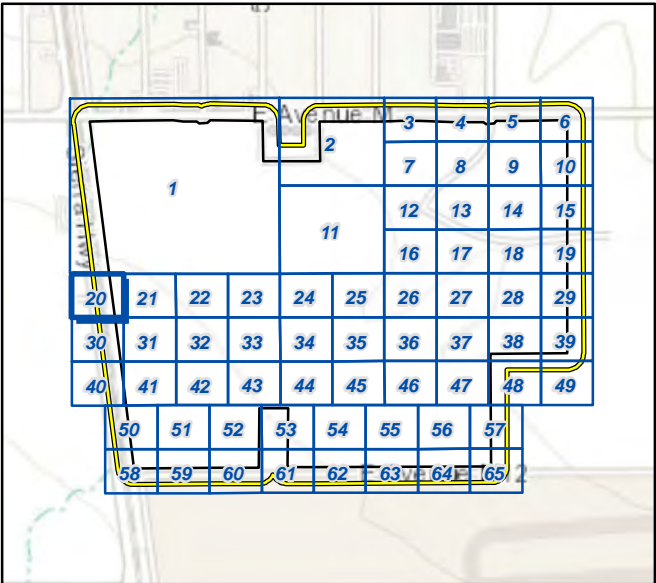
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-19

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\JTex_JoshuaTree_Results.pdf

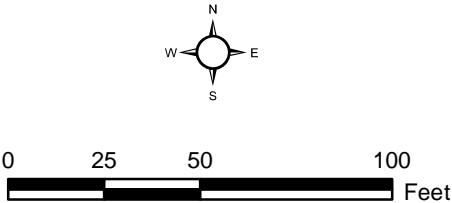


- Project Boundary
- 186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.

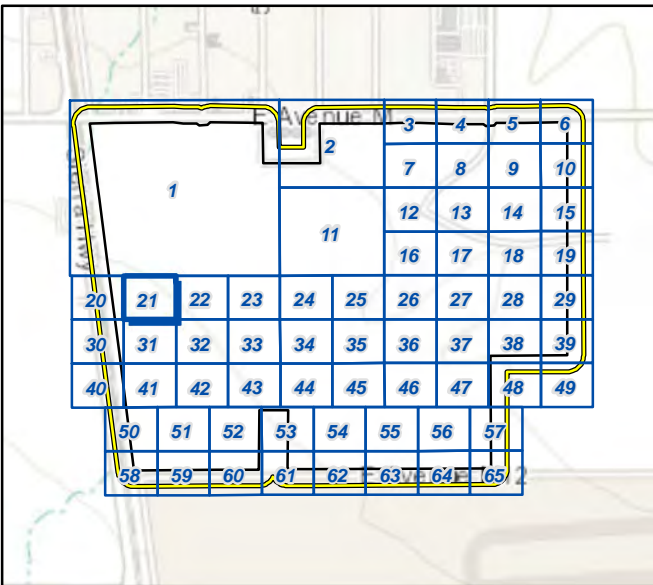
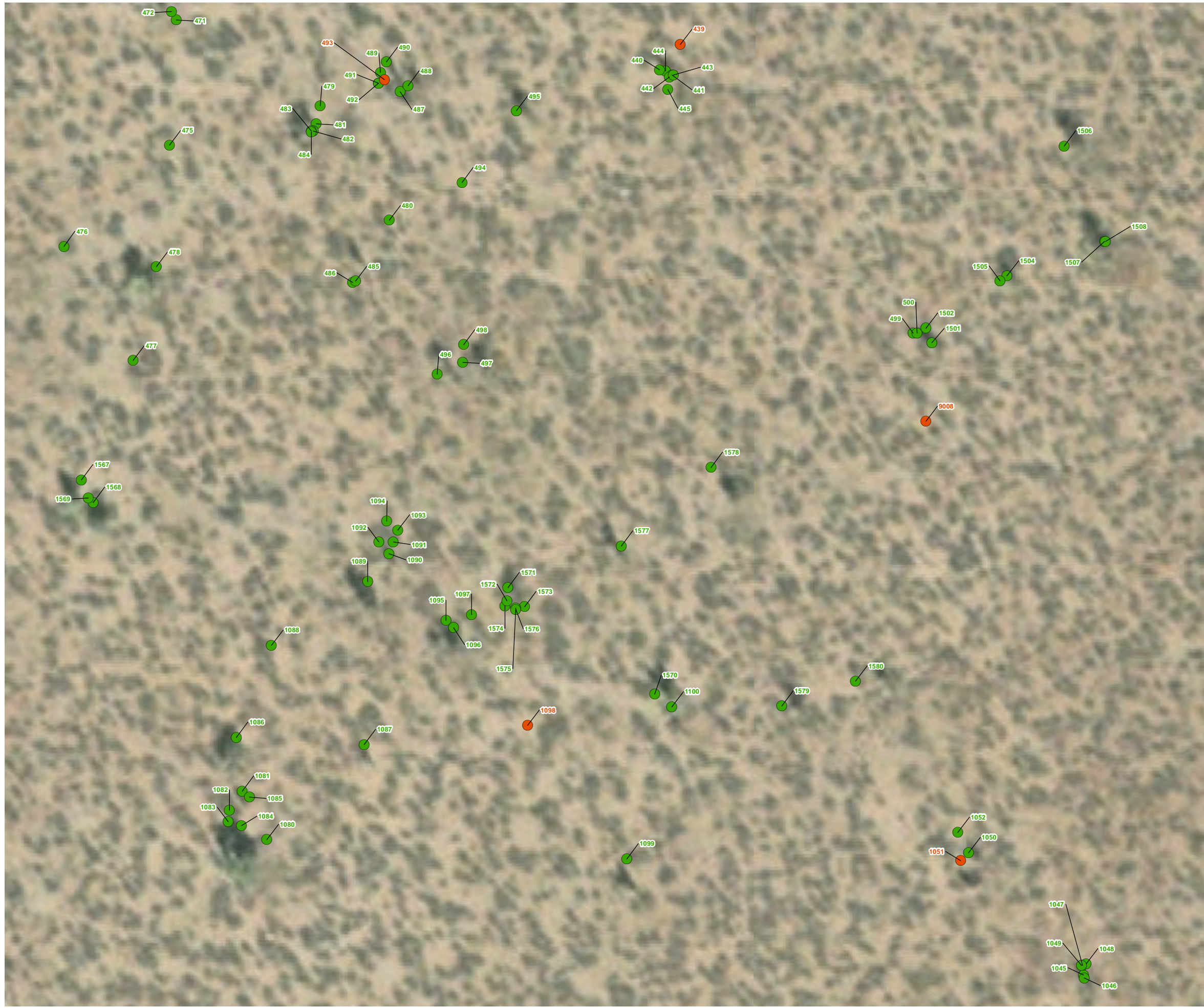


Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-20

Antelope Valley Commerce
Center Project





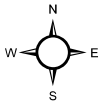
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



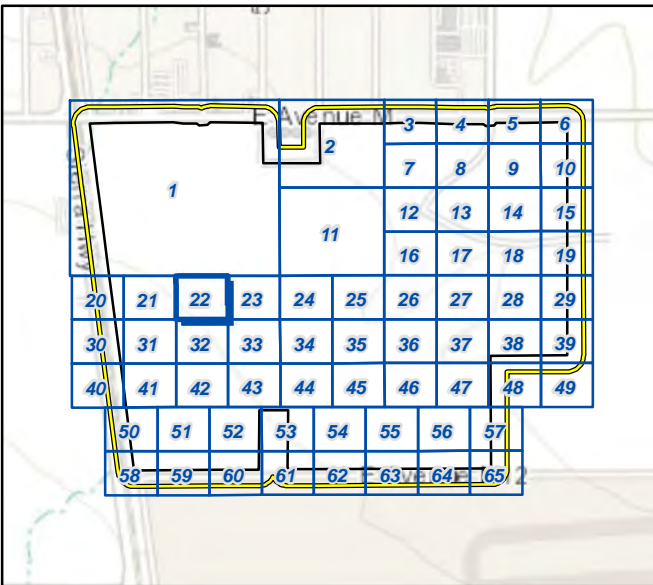
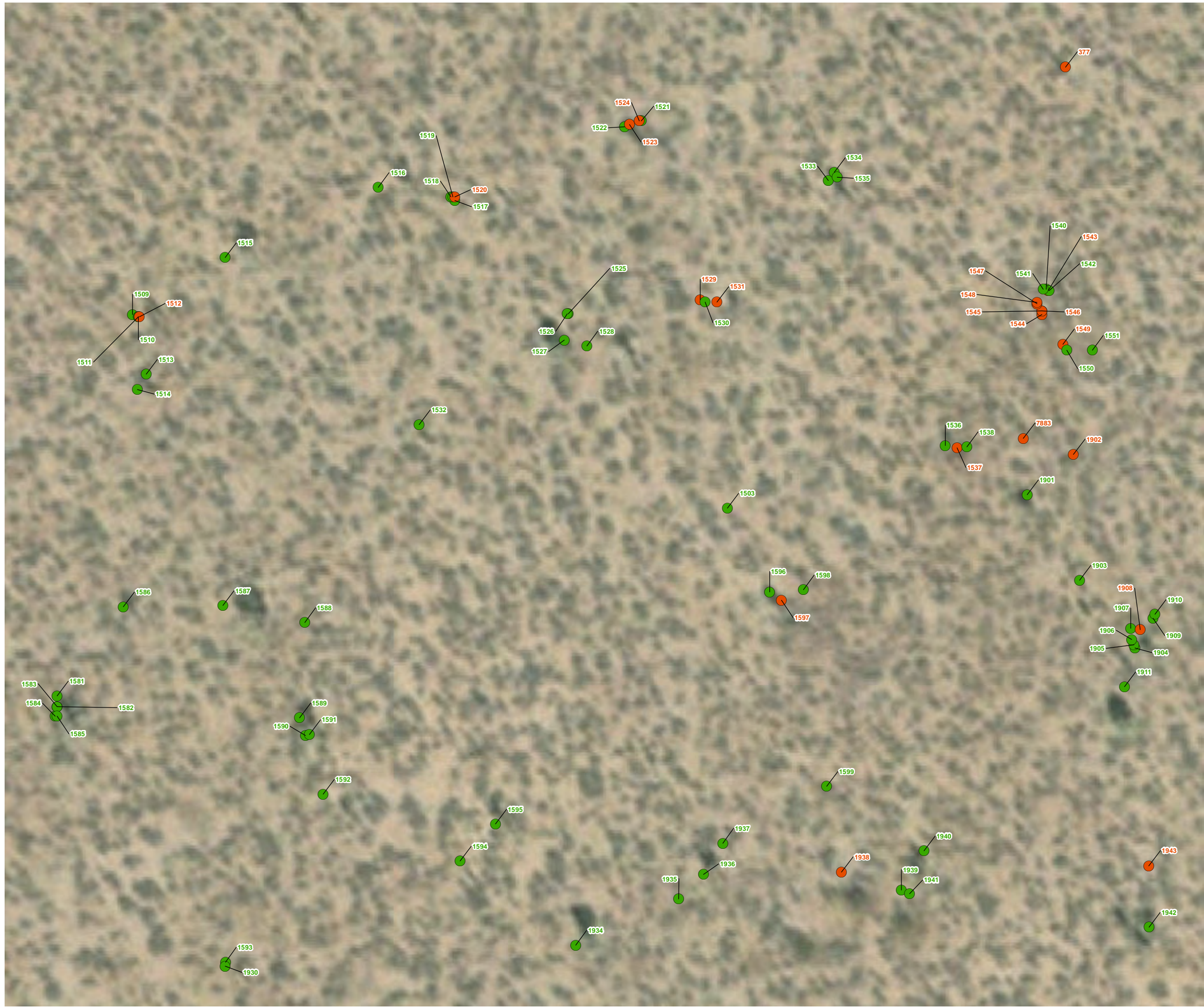
0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-21

Antelope Valley Commerce
Center Project





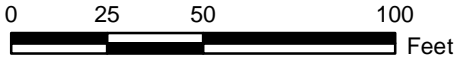
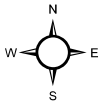
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



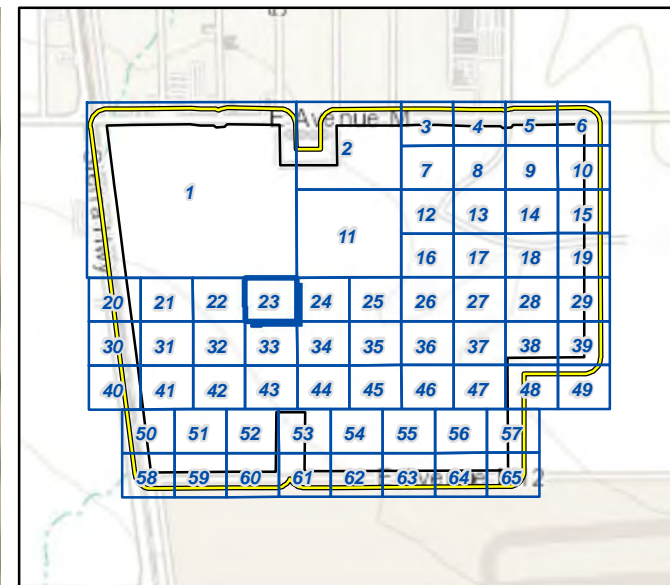
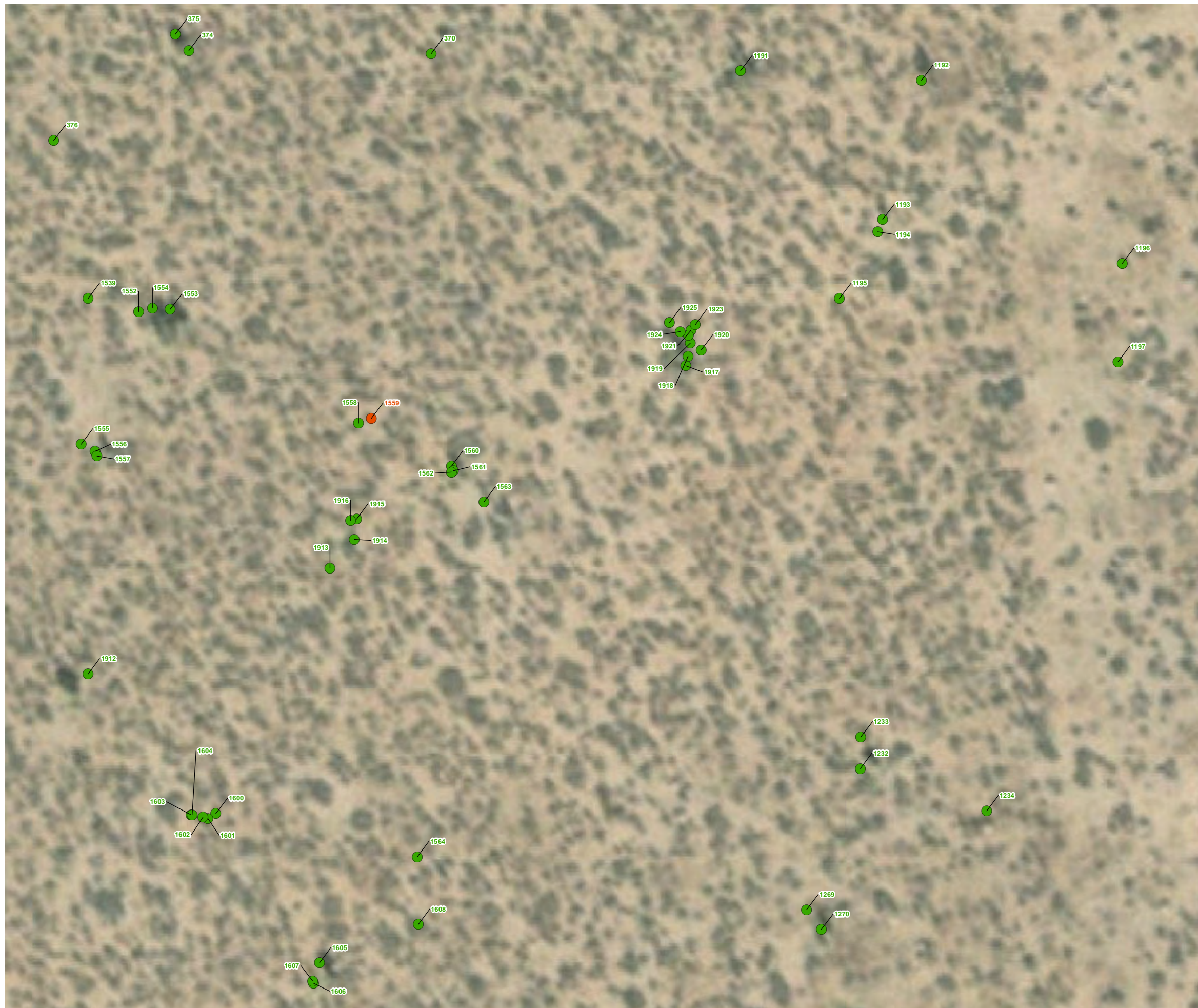
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-22

Antelope Valley Commerce
Center Project

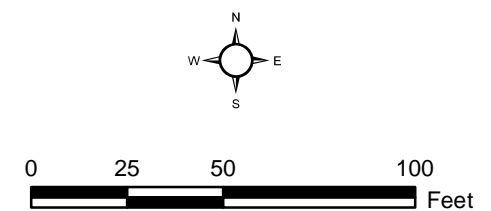


D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

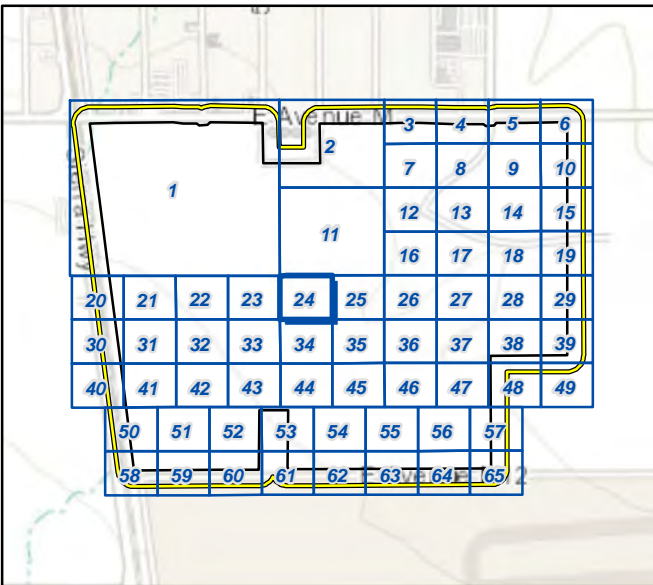
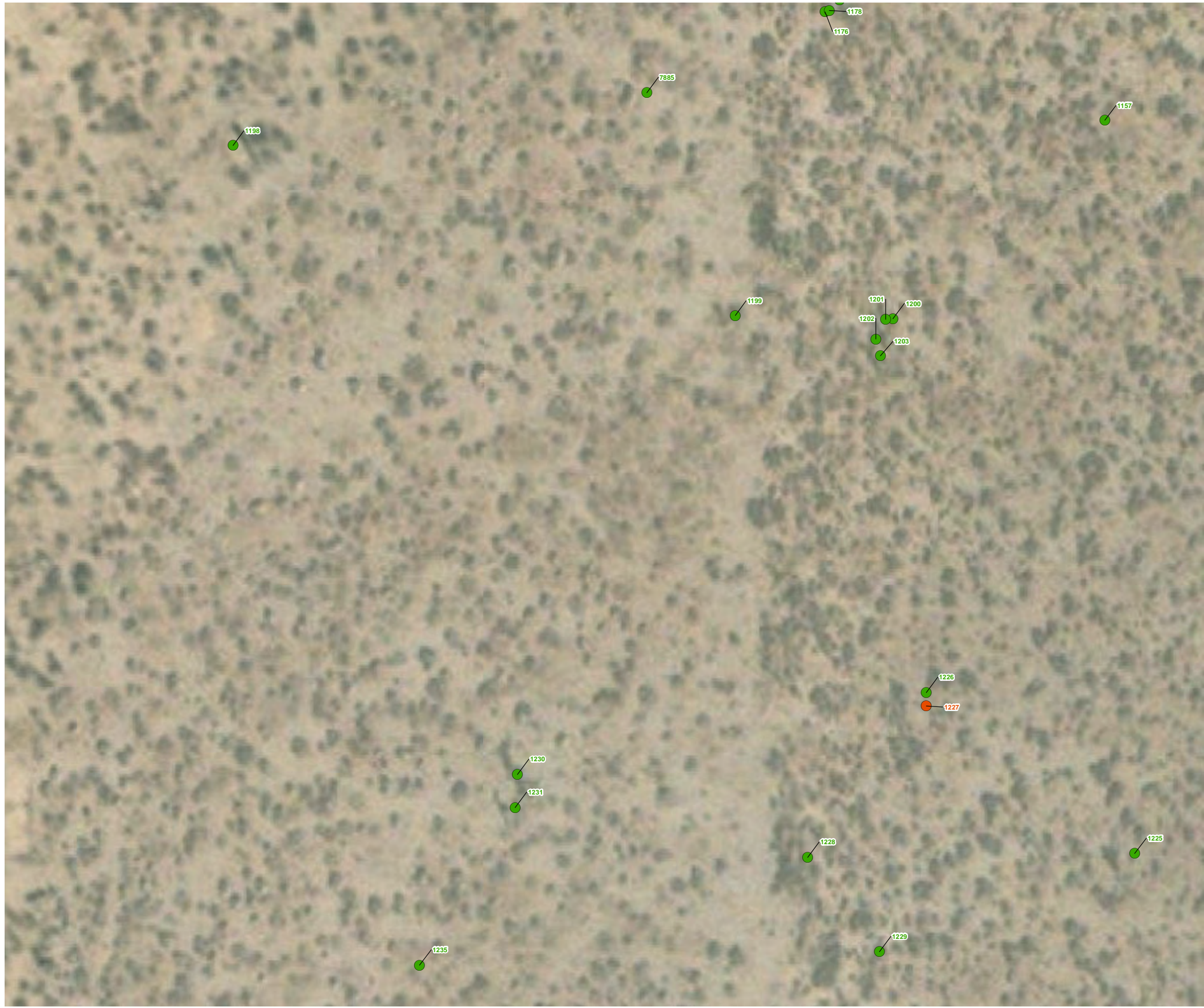
Survey Results Map Exhibit 3-23

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



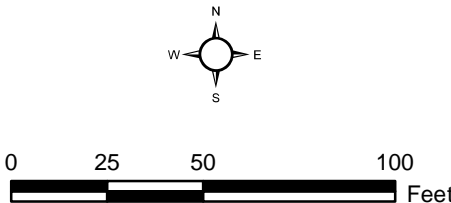
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

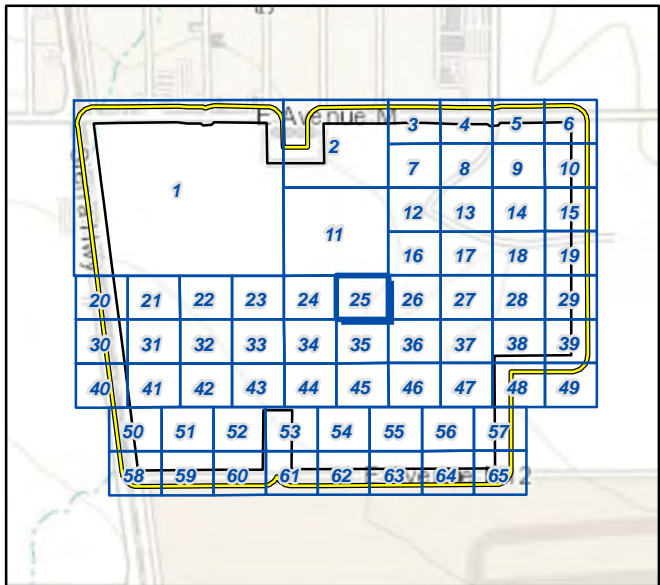
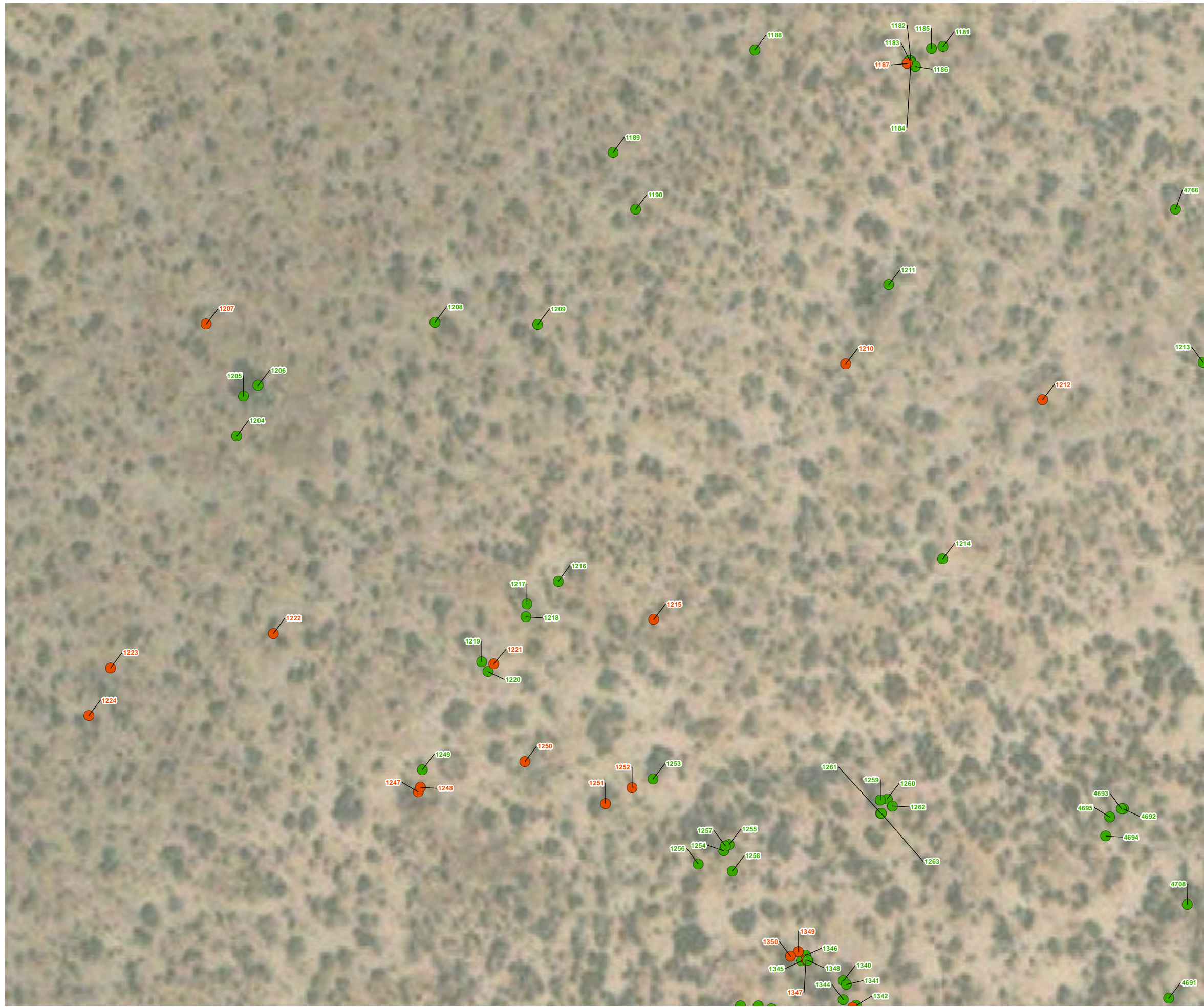
Survey Results Map Exhibit 3-24

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



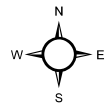
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

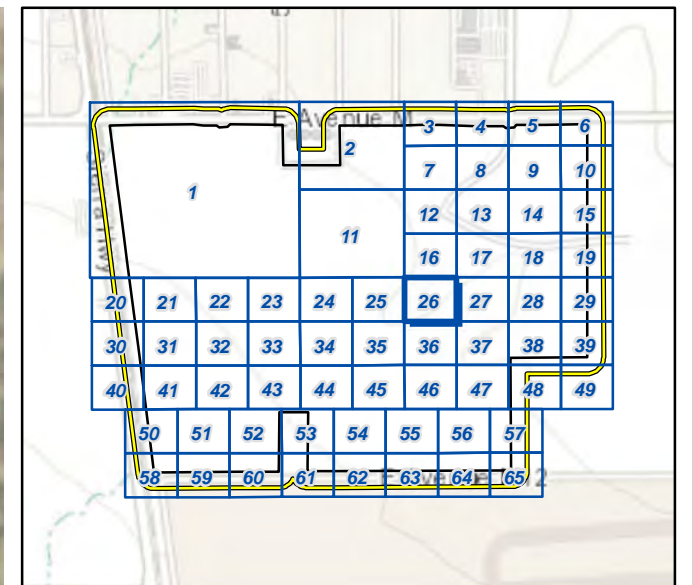
Survey Results Map Exhibit 3-25





Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\ex_JoshuaTree_Results.pdf

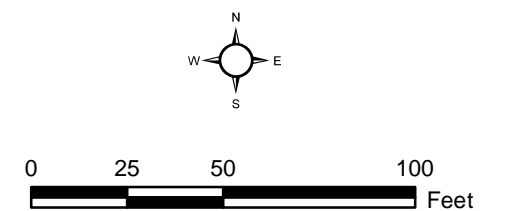
D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



-  Project Boundary
-  186-foot Survey Buffer
-  western Joshua tree
-  dead western Joshua tree

Joshua Tree Survey Results

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

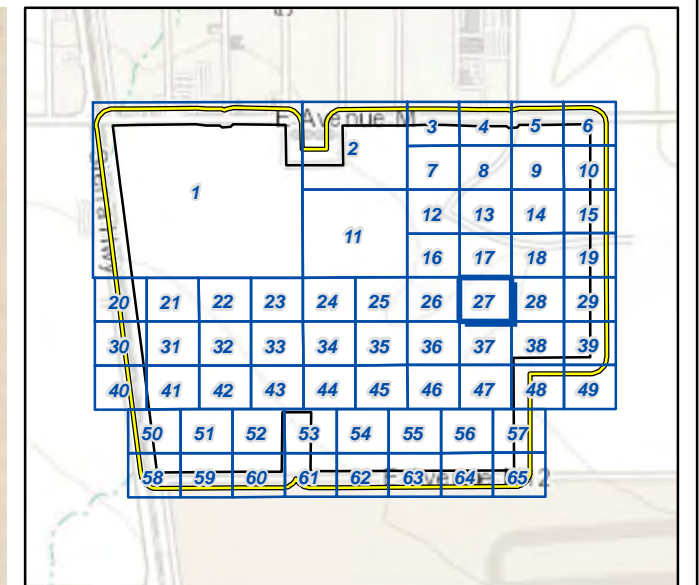
Survey Results Map Exhibit 3-26





Antelope Valley Commerce
Center Project



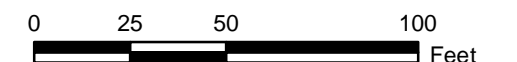
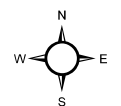
(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\lex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



-  Project Boundary
-  186-foot Survey Buffer
- Joshua Tree Survey Results**
-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

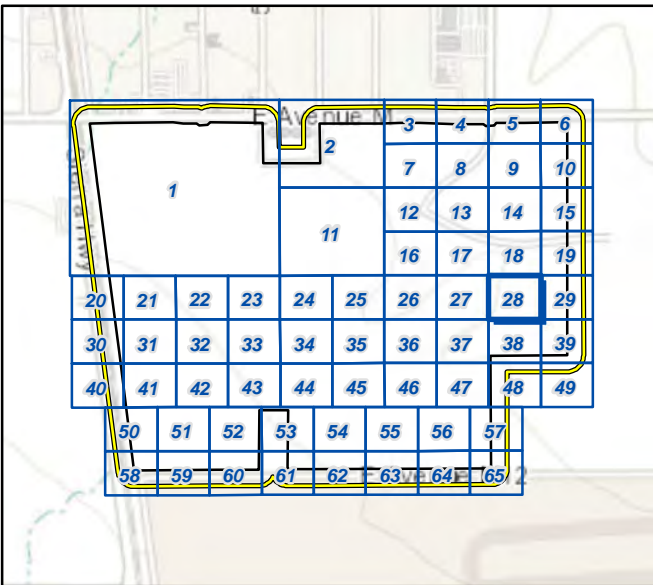
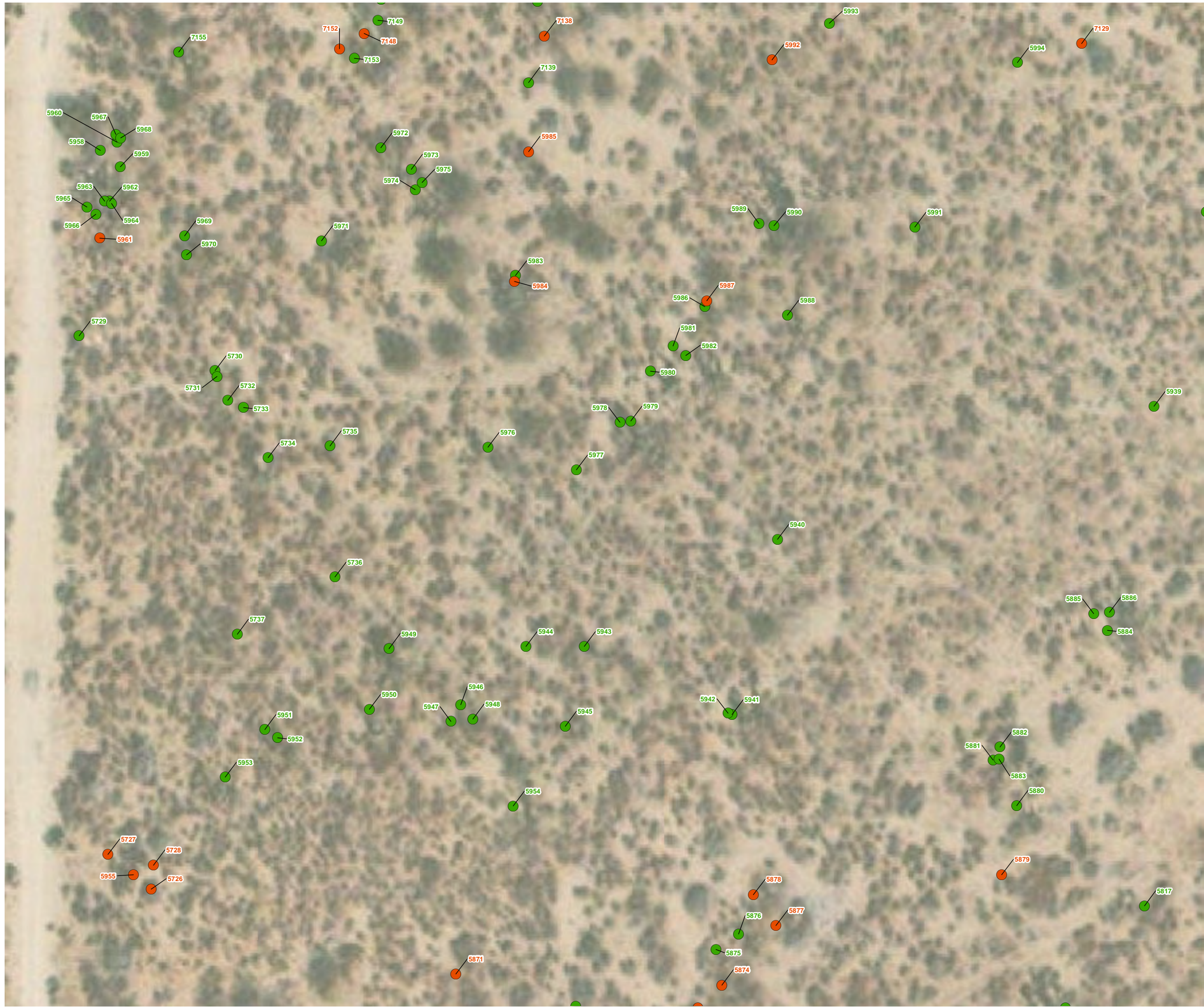
Survey Results Map Exhibit 3-27

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\JTex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



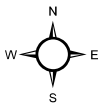
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

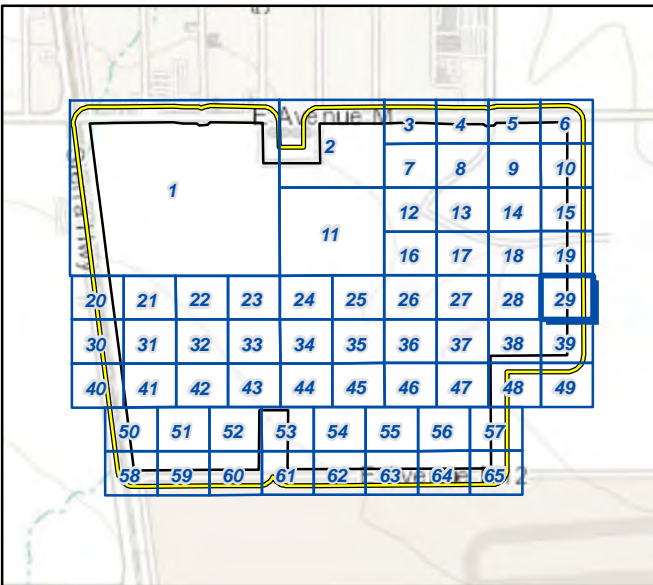
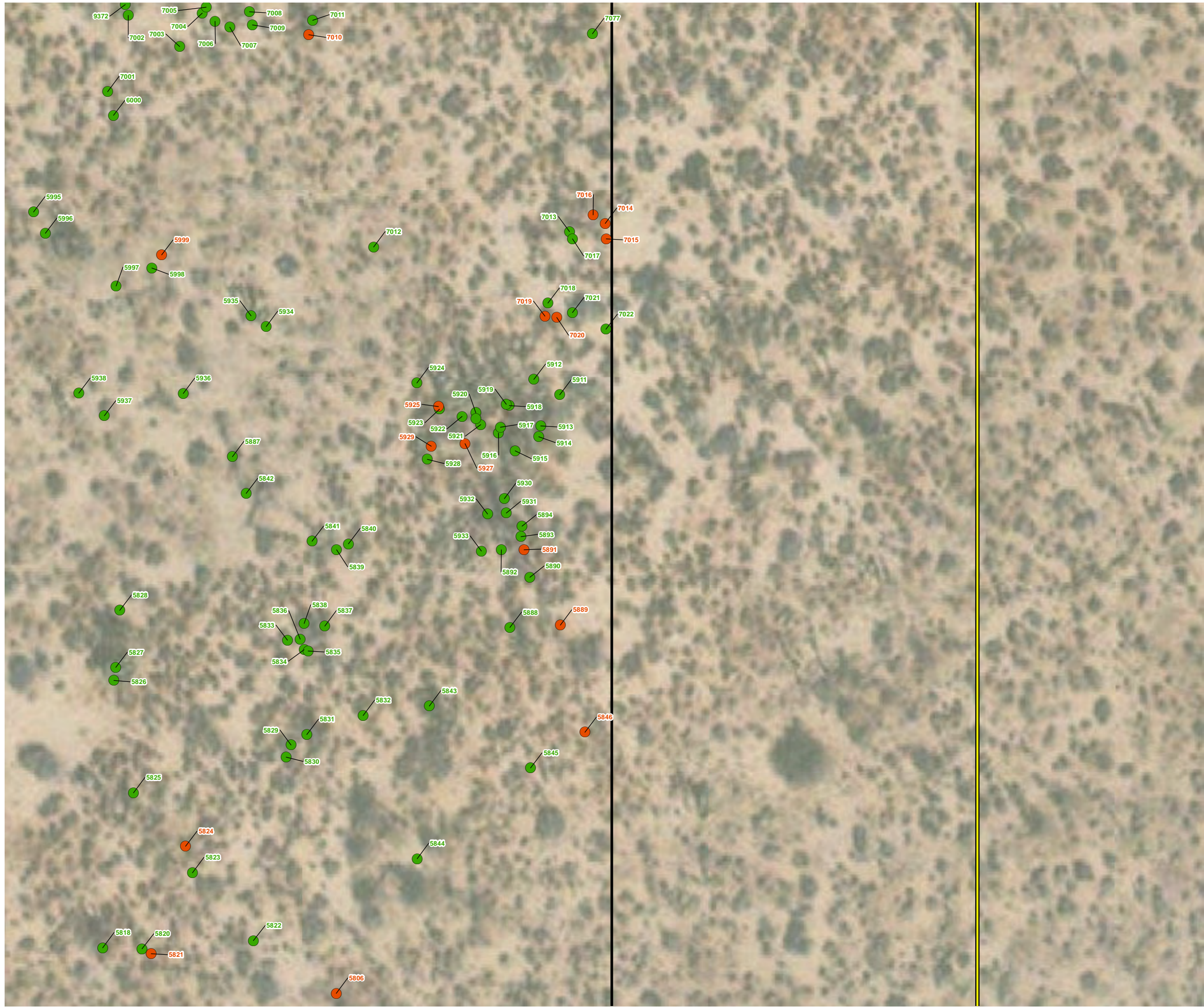
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-28

Antelope Valley Commerce Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\lex_JoshuaTree_Results.pdf



Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



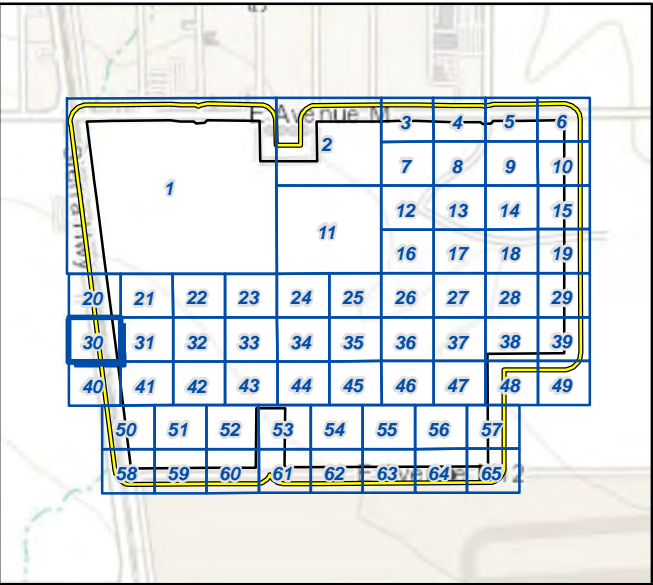
0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-29

Antelope Valley Commerce
Center Project



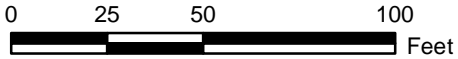
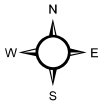


- Project Boundary
- 186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.

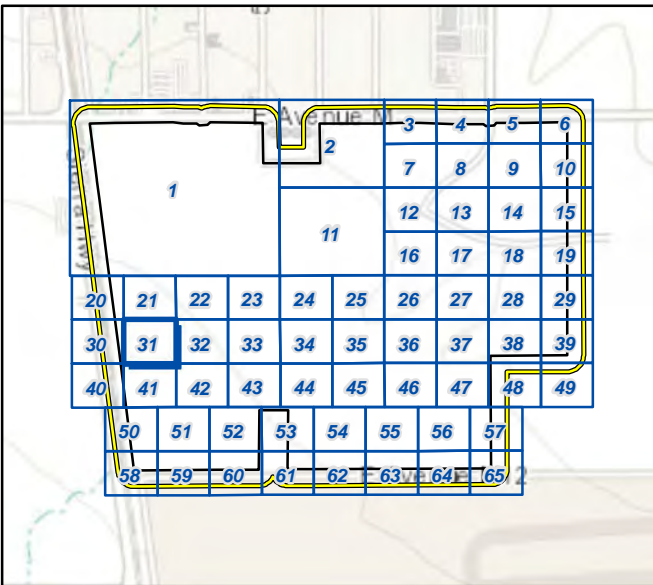
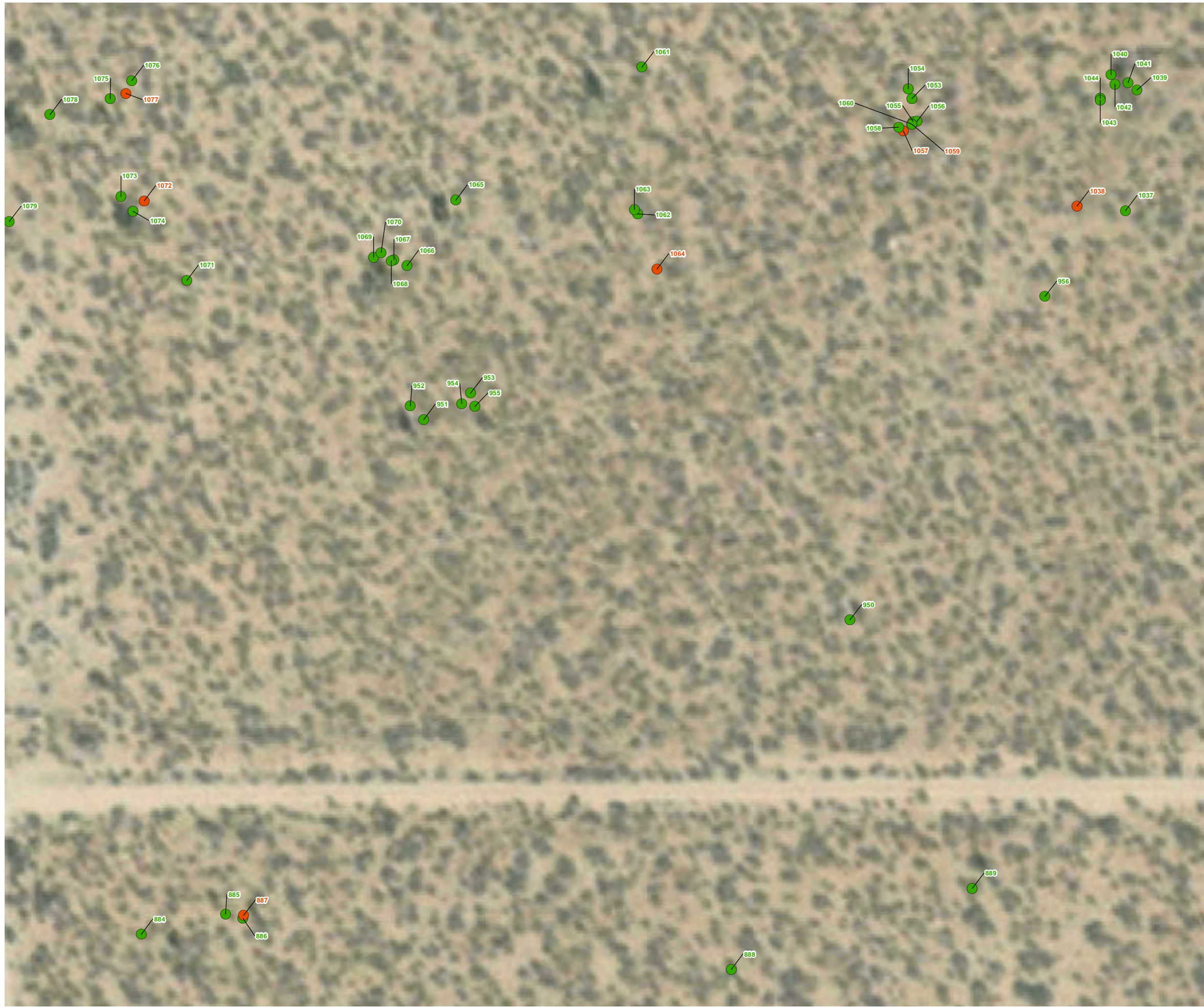


Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-30

Antelope Valley Commerce
Center Project





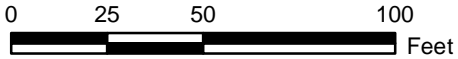
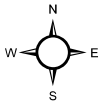
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



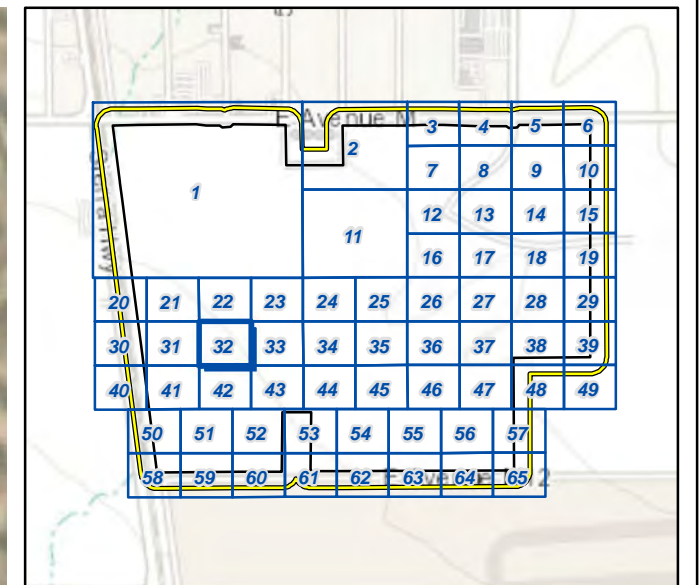
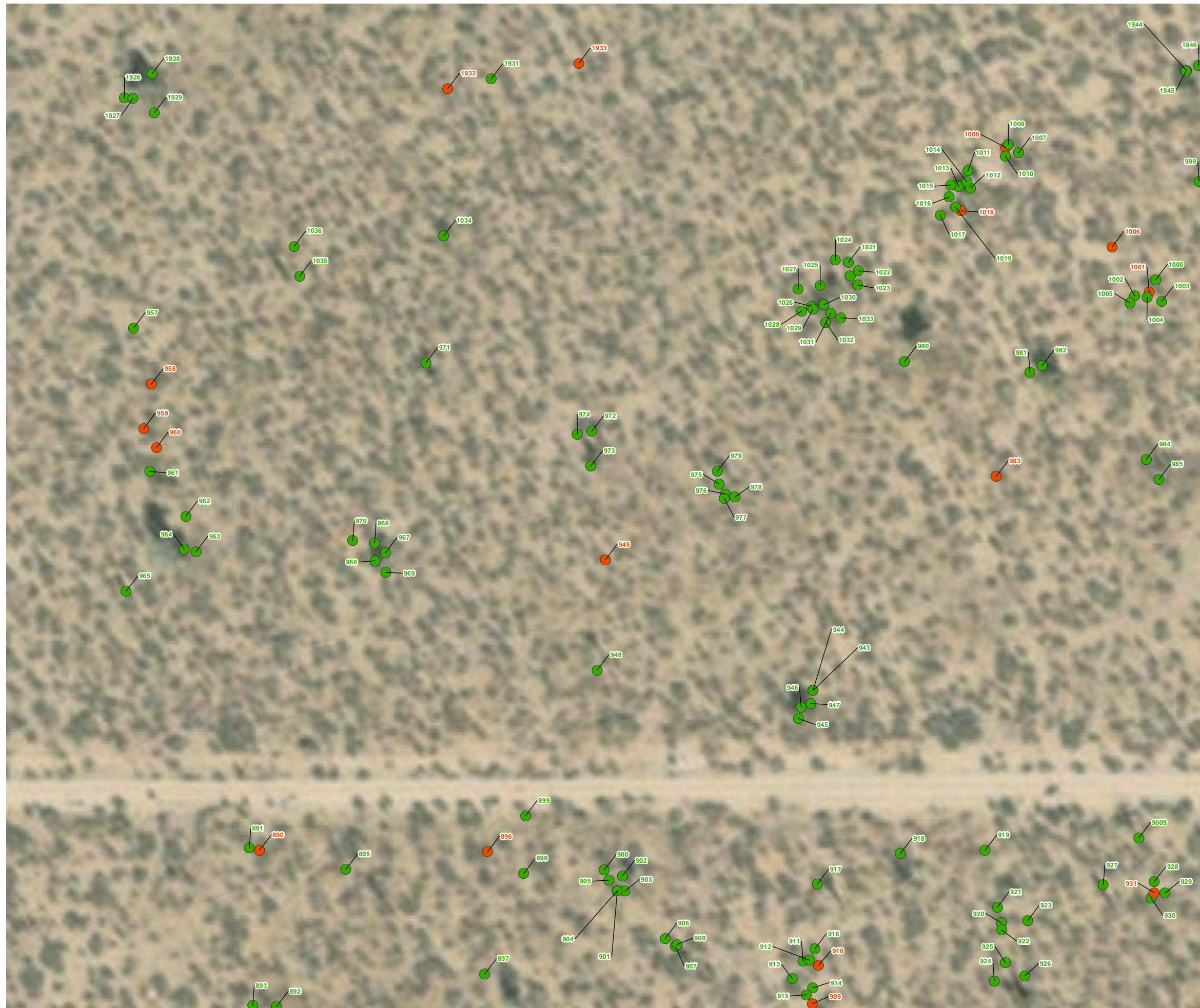
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-31

Antelope Valley Commerce
Center Project

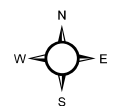


D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

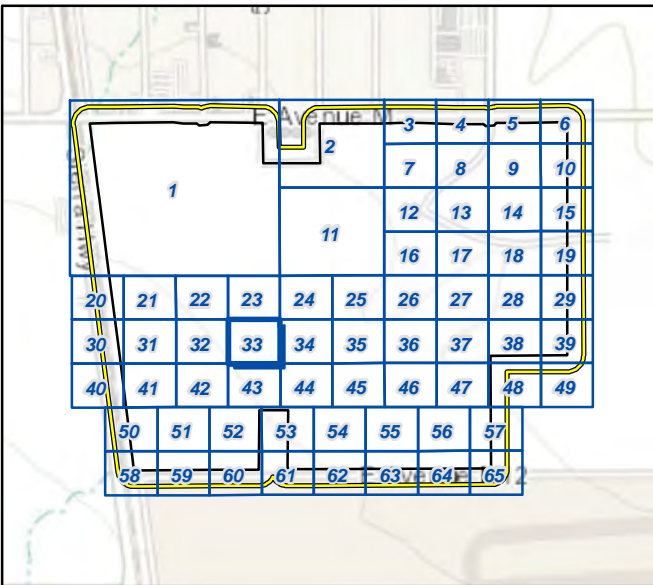
Survey Results Map Exhibit 3-32

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\lex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



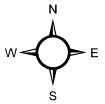
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

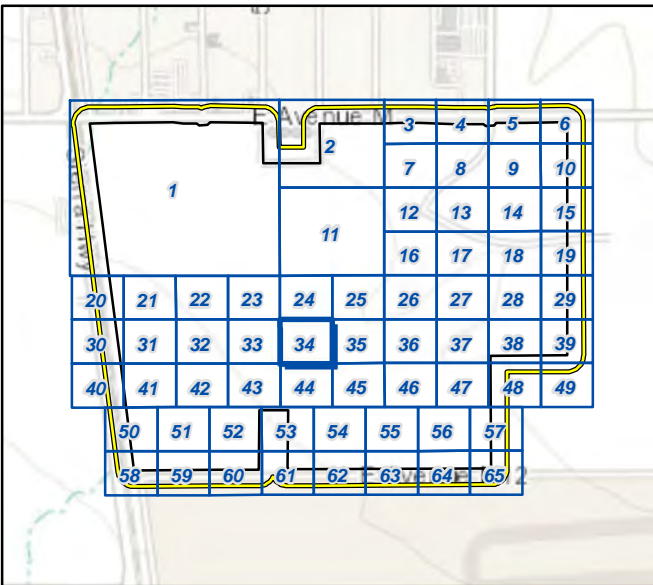
Survey Results Map Exhibit 3-33

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



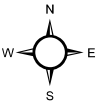
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

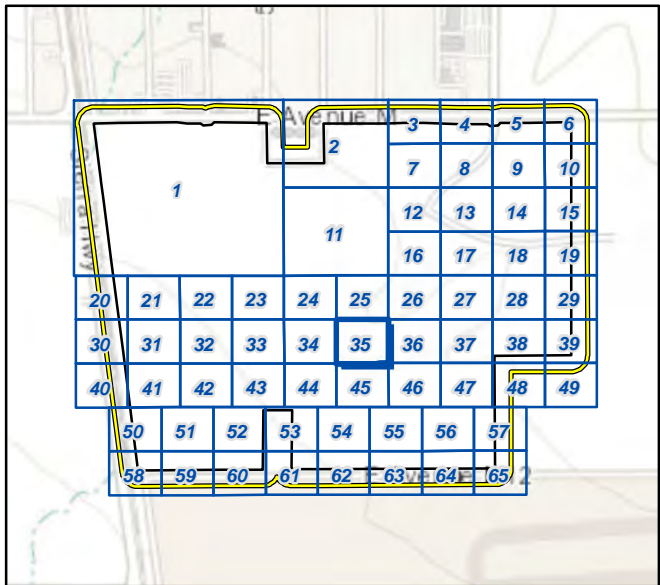
Survey Results Map Exhibit 3-34

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



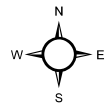
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

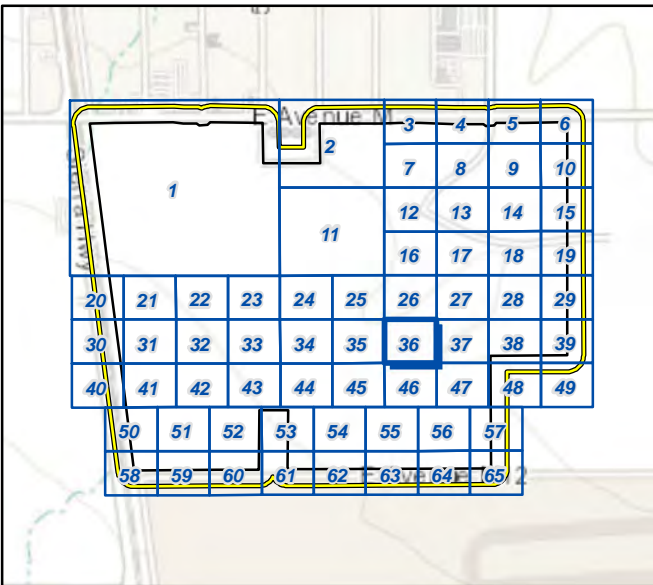
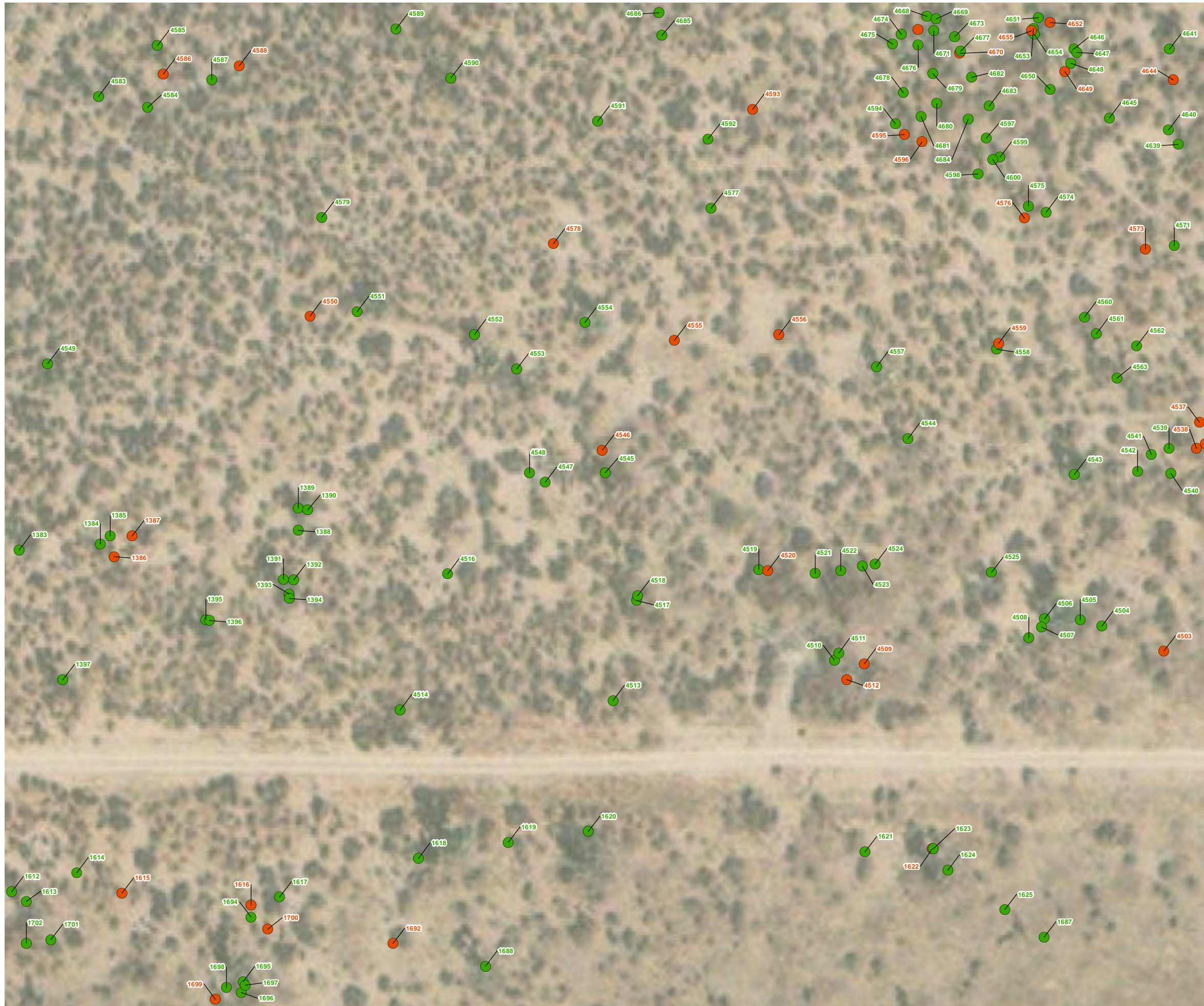
Survey Results Map Exhibit 3-35

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



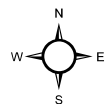
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

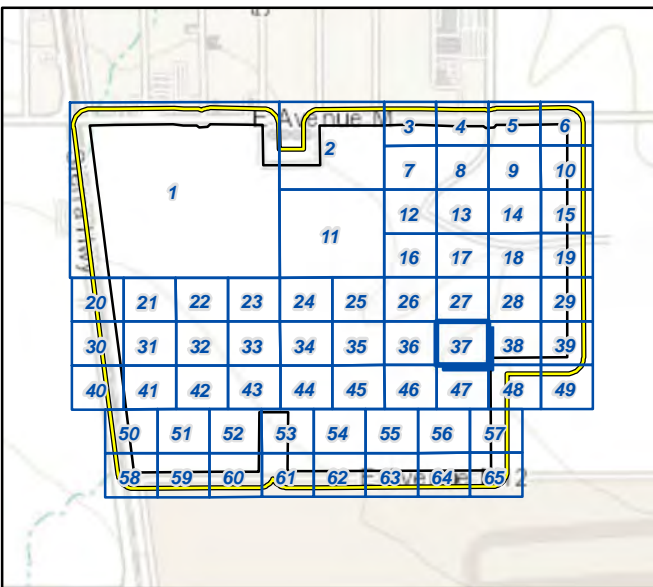
Survey Results Map Exhibit 3-36

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



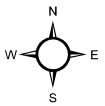
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

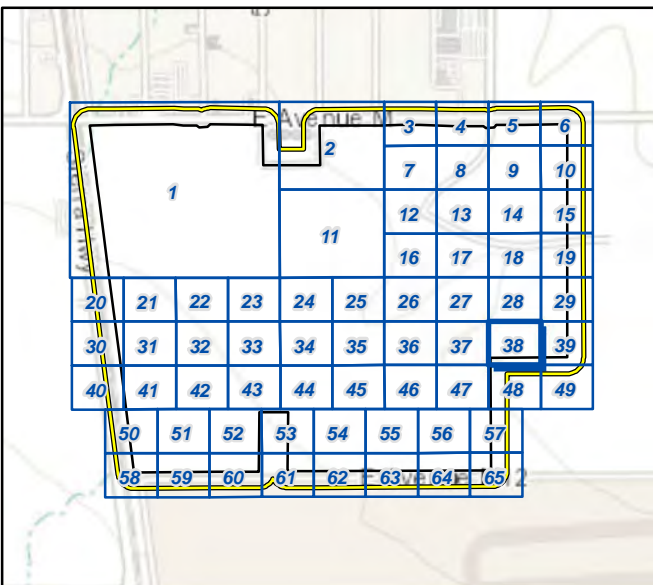
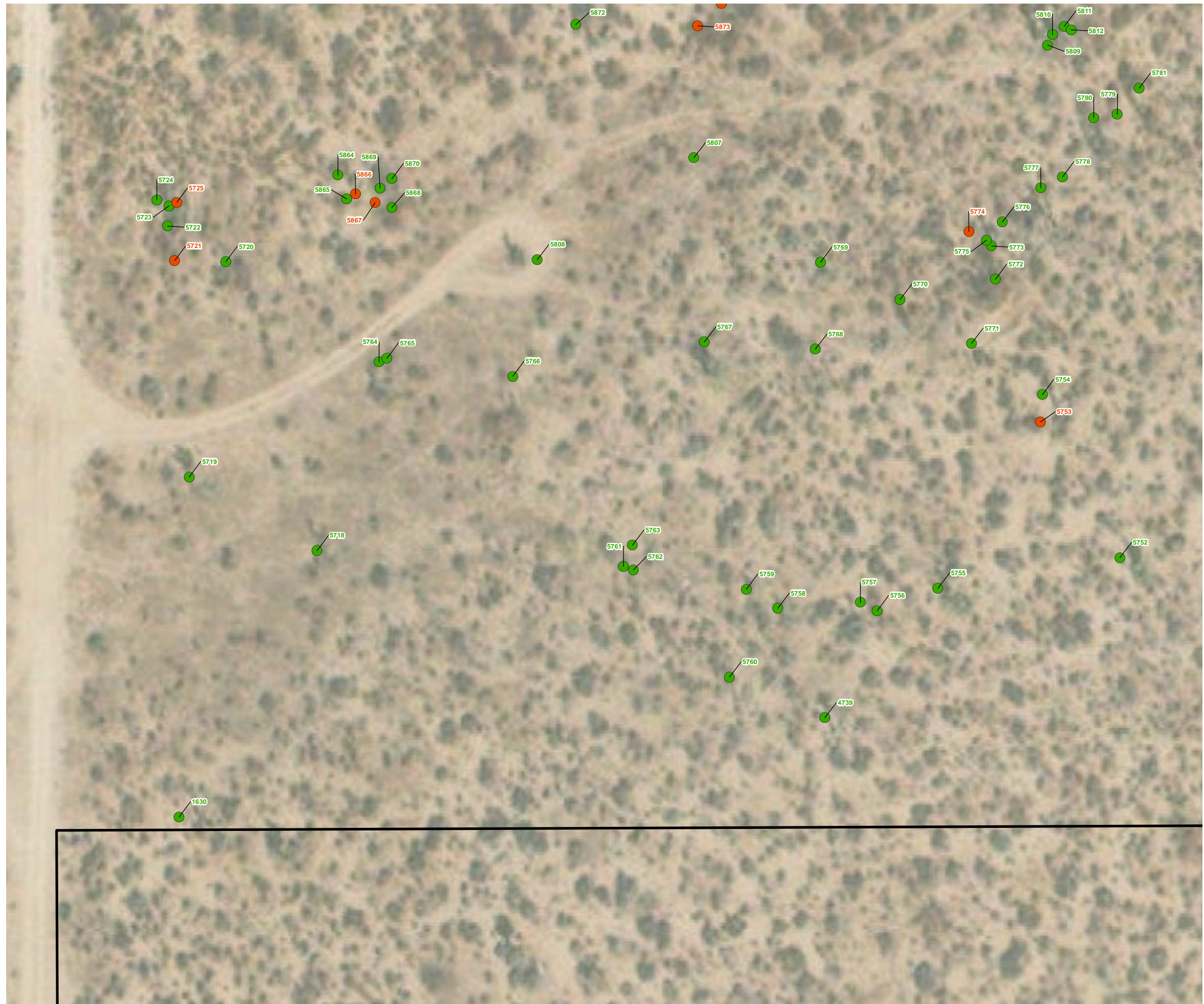
Survey Results Map Exhibit 3-37

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



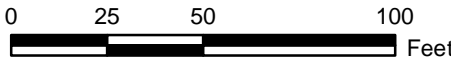
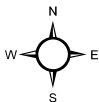
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

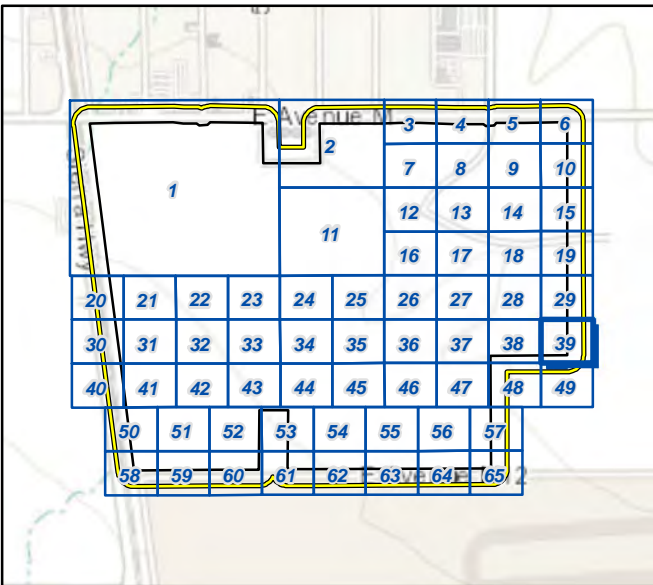
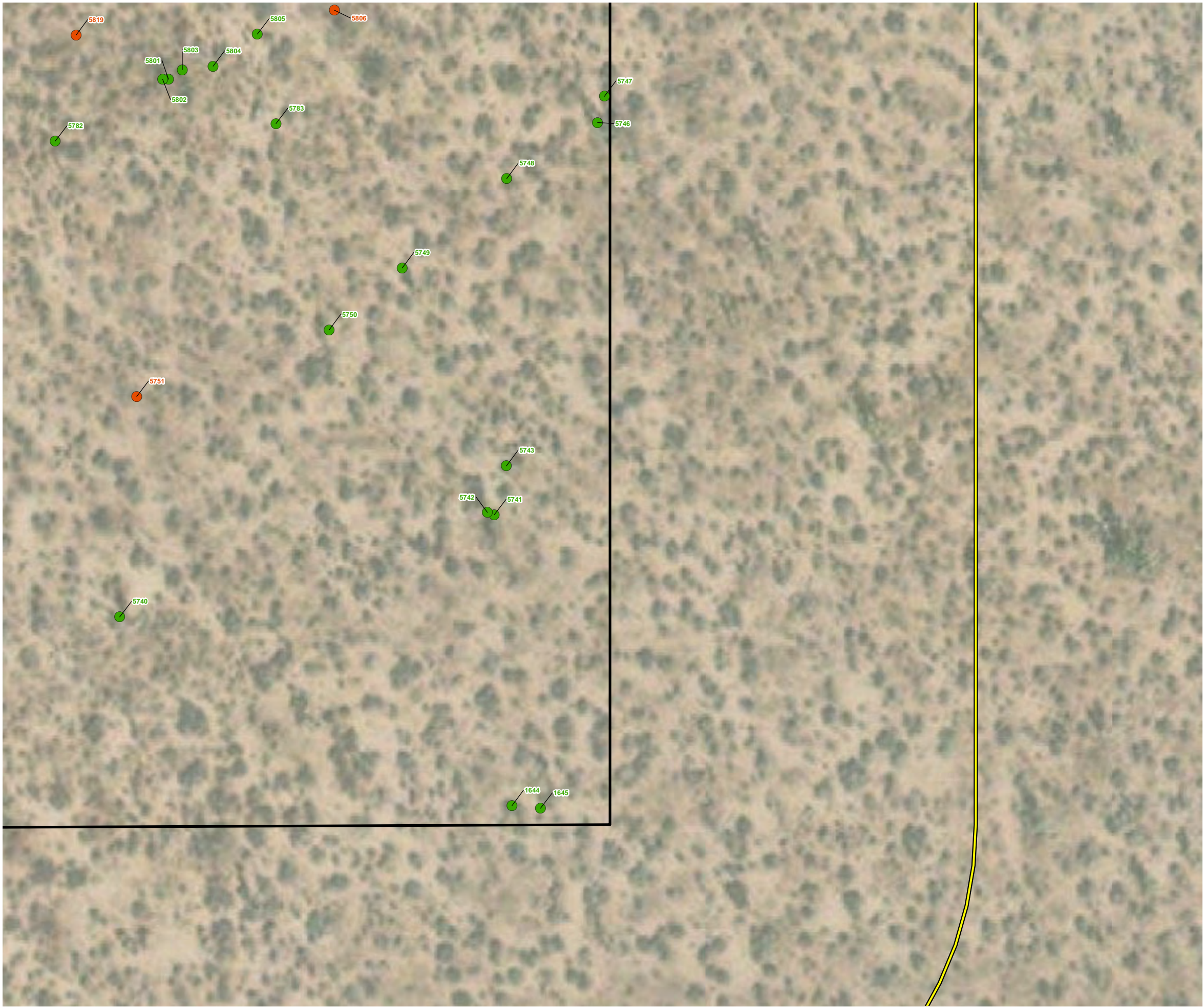
Survey Results Map Exhibit 3-38

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\JTex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



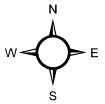
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

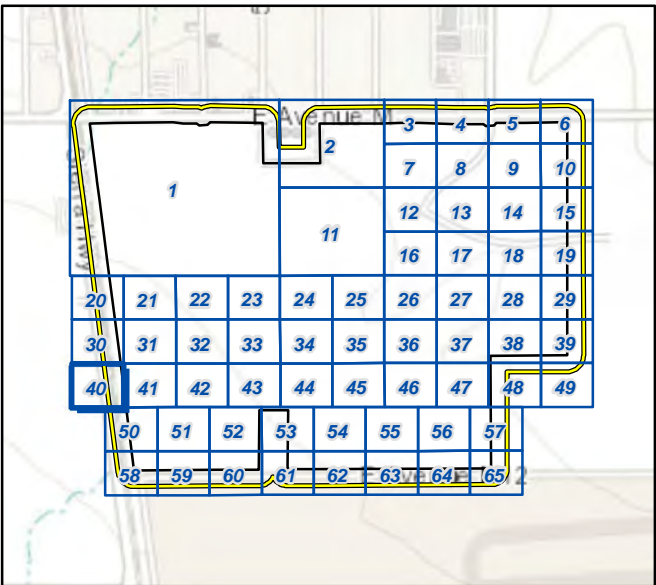
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-39

Antelope Valley Commerce
Center Project

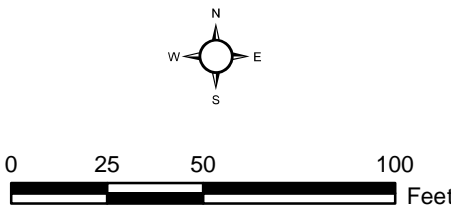


(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\JTex_JoshuaTree_Results.pdf



- Project Boundary
- 186-foot Survey Buffer

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.

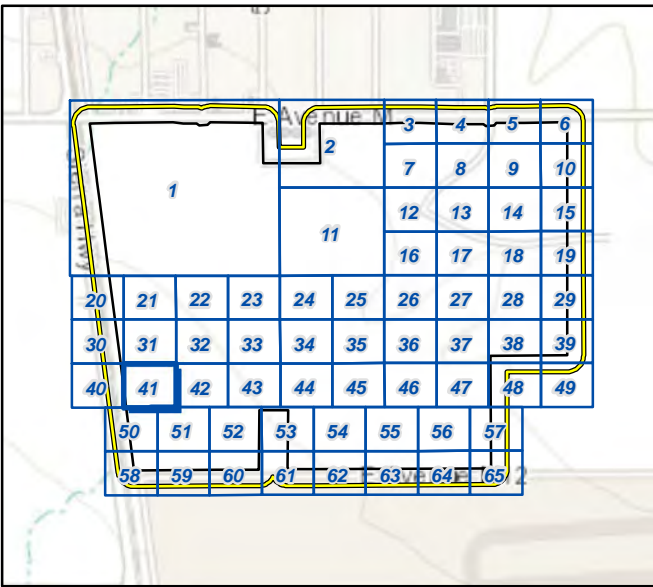




Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-40


Antelope Valley Commerce
Center Project



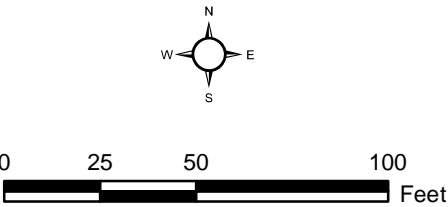


-  Project Boundary
-  186-foot Survey Buffer

Joshua Tree Survey Results

-  western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



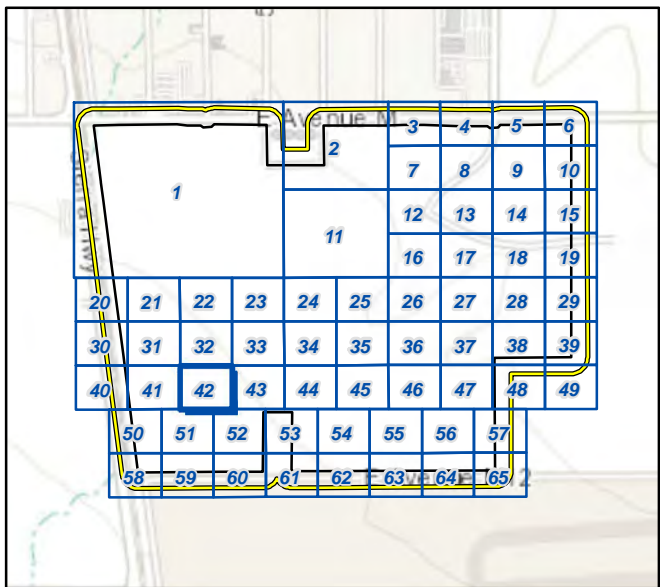
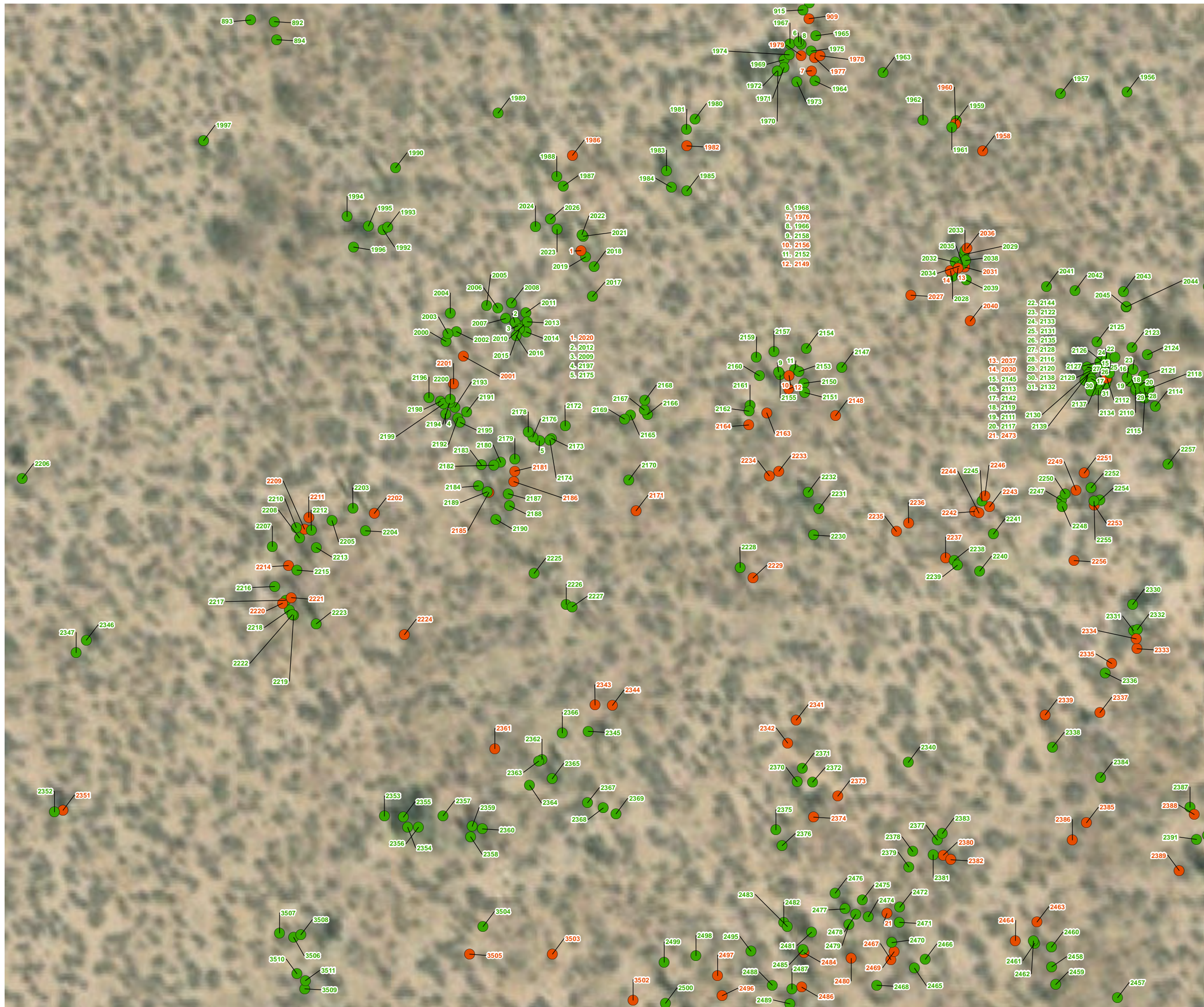
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-41

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D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



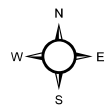
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

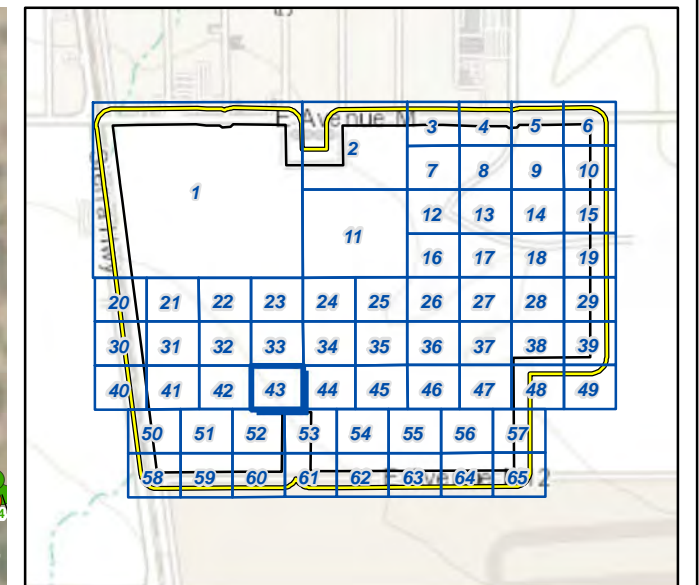
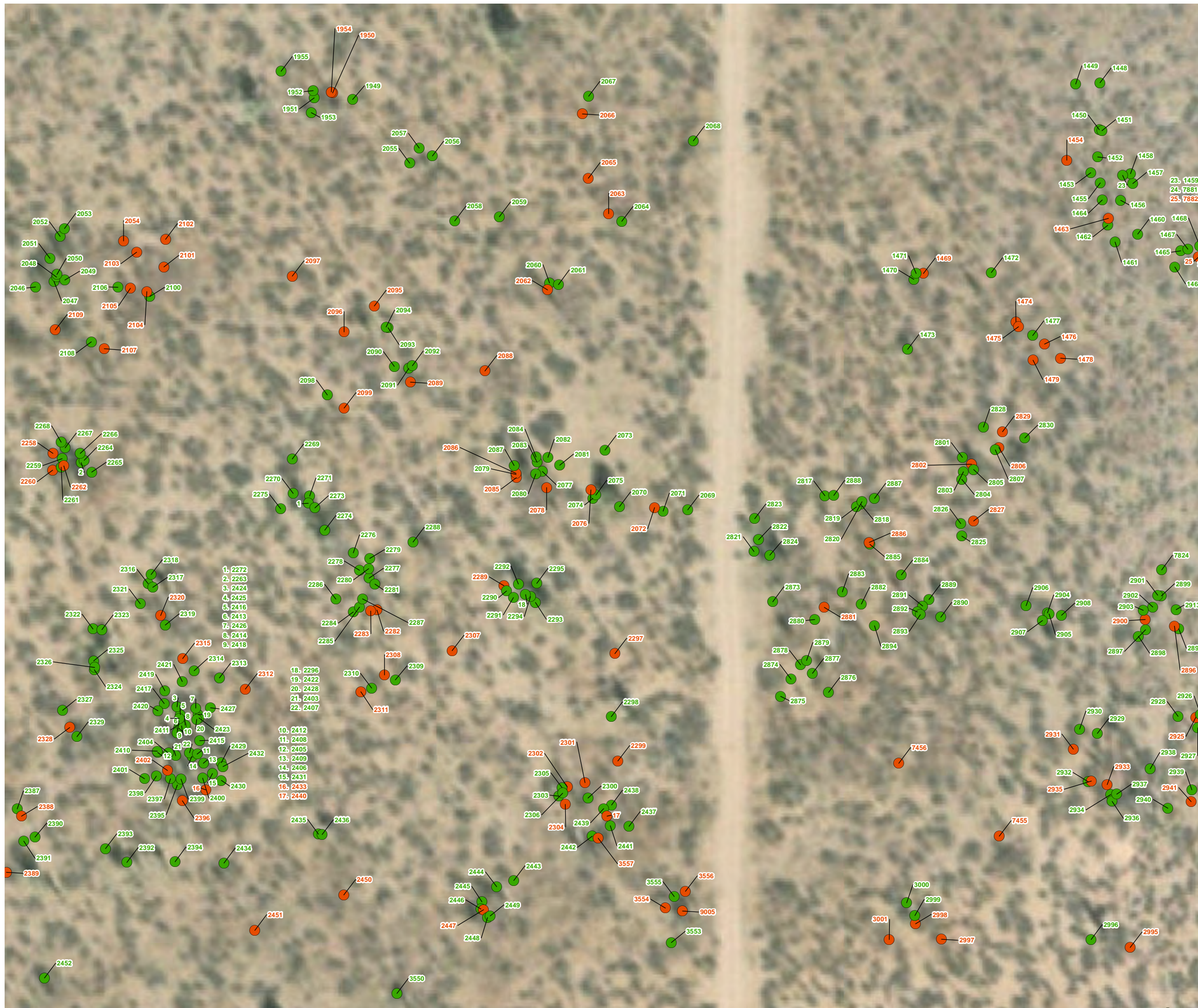
Survey Results Map Exhibit 3-42





Antelope Valley Commerce
Center Project



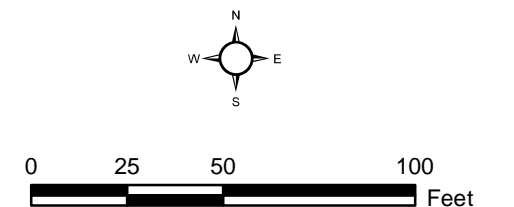
(Rev: 09/22/2022-JVR) R:\Projects\TBP\010200\Graphics\JTex_JoshuaTree_Results.pdf

D:\Projects\3\TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd

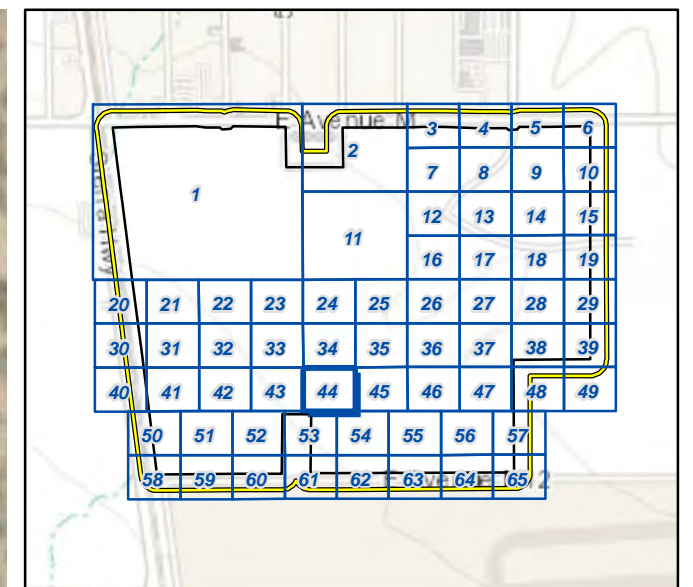
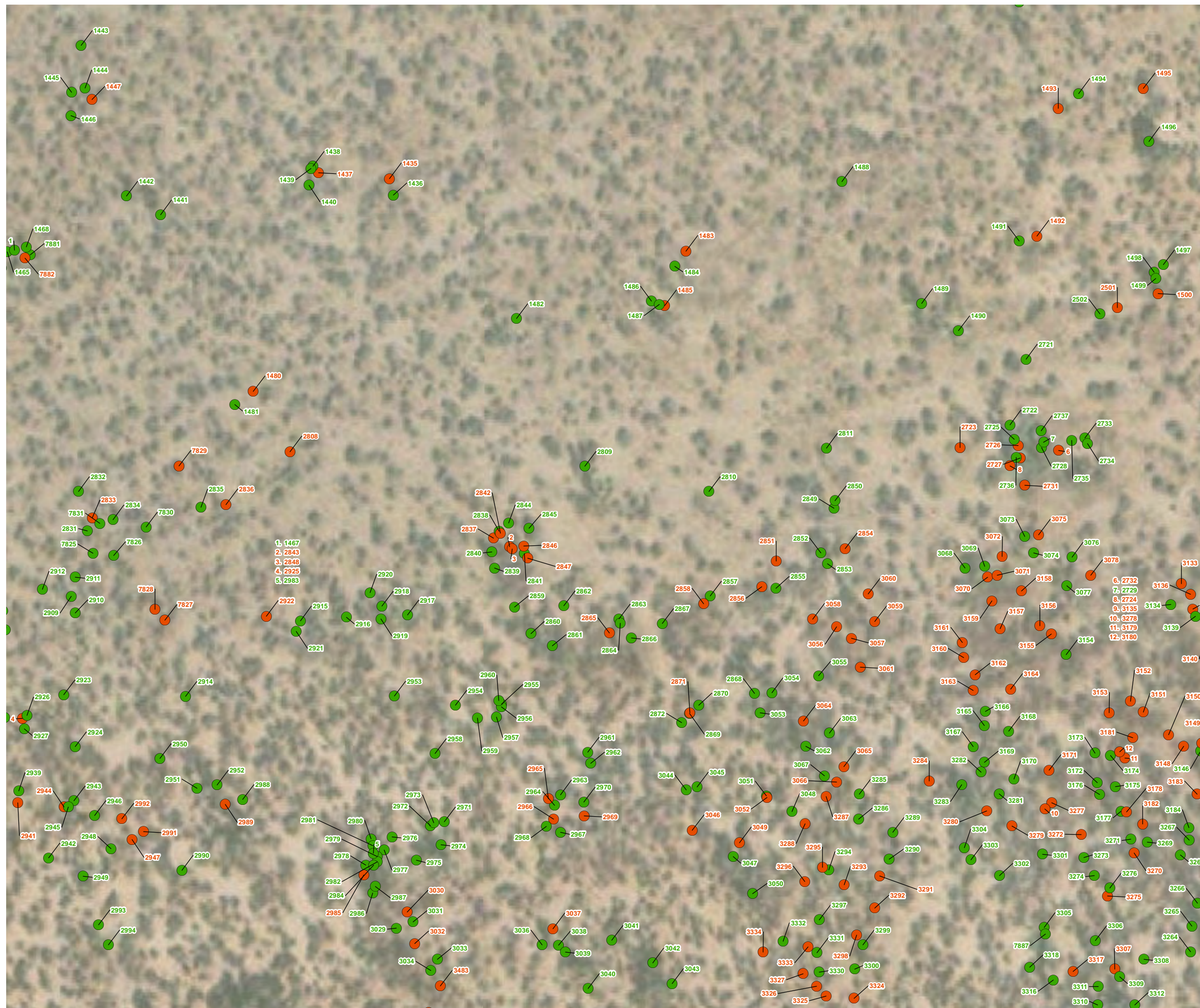




-  Project Boundary
-  186-foot Survey Buffer
- Joshua Tree Survey Results**
-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

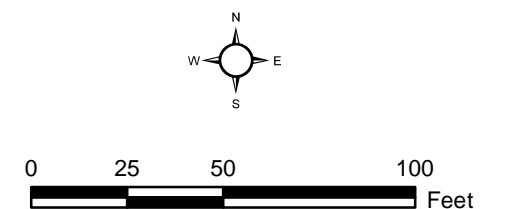


-  Project Boundary
 186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

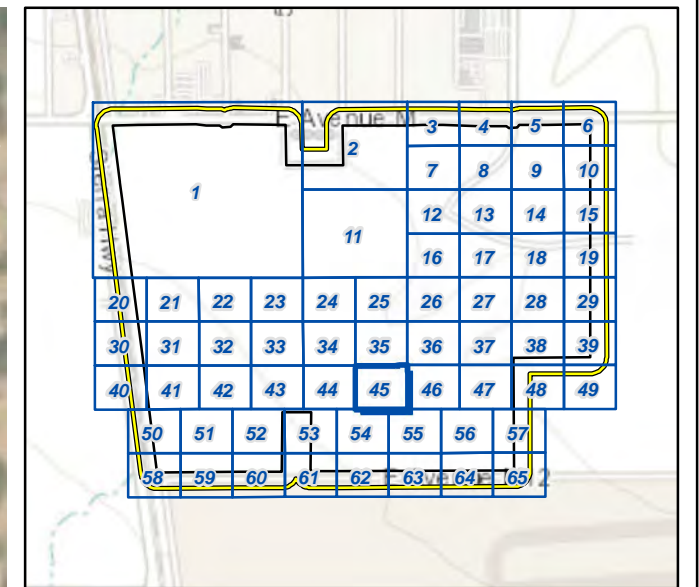
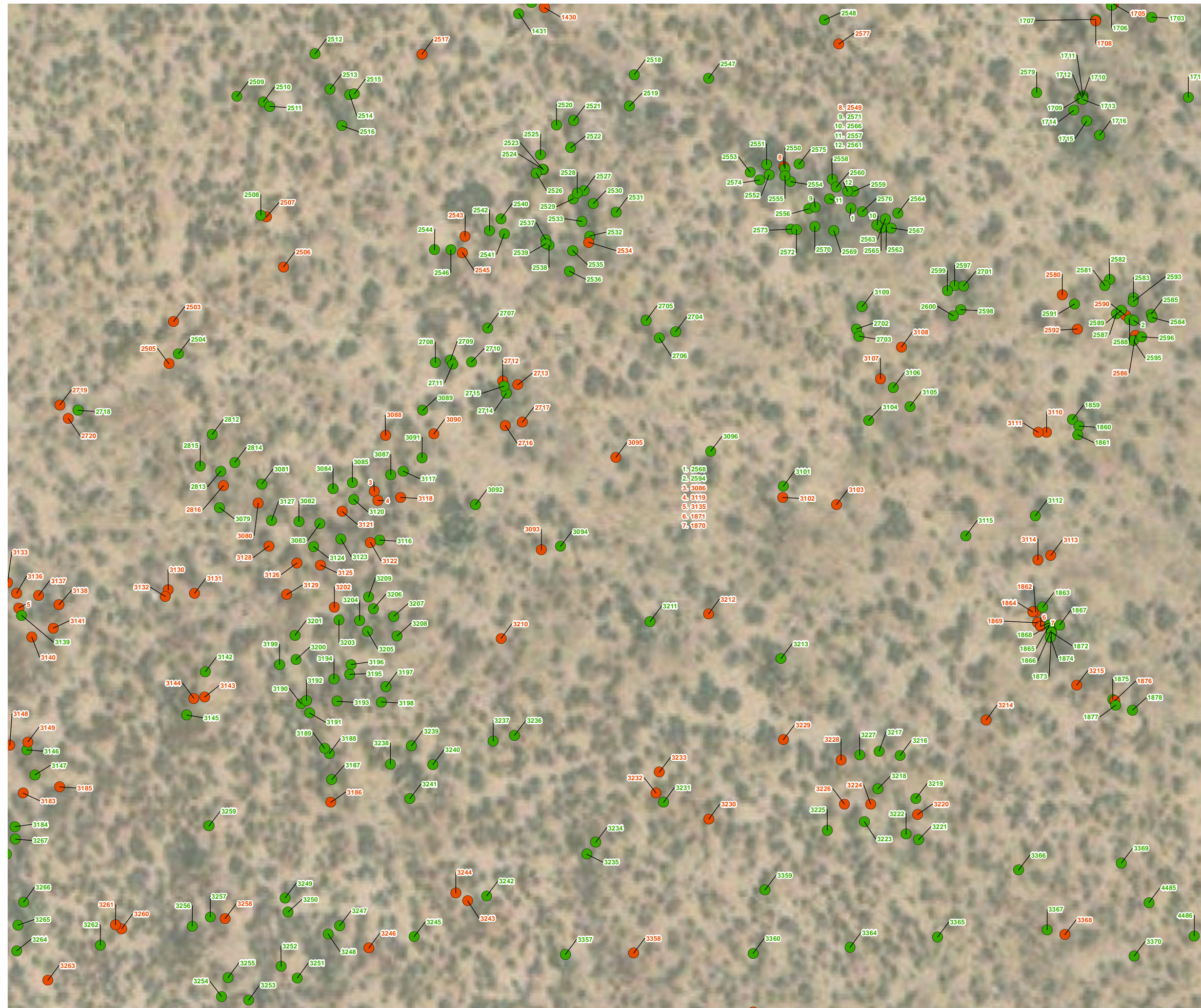
Survey Results Map Exhibit 3-44

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(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3\TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

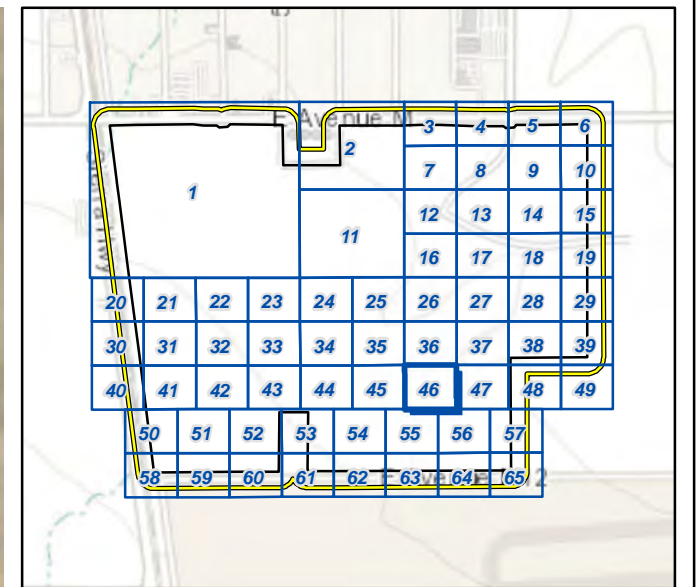
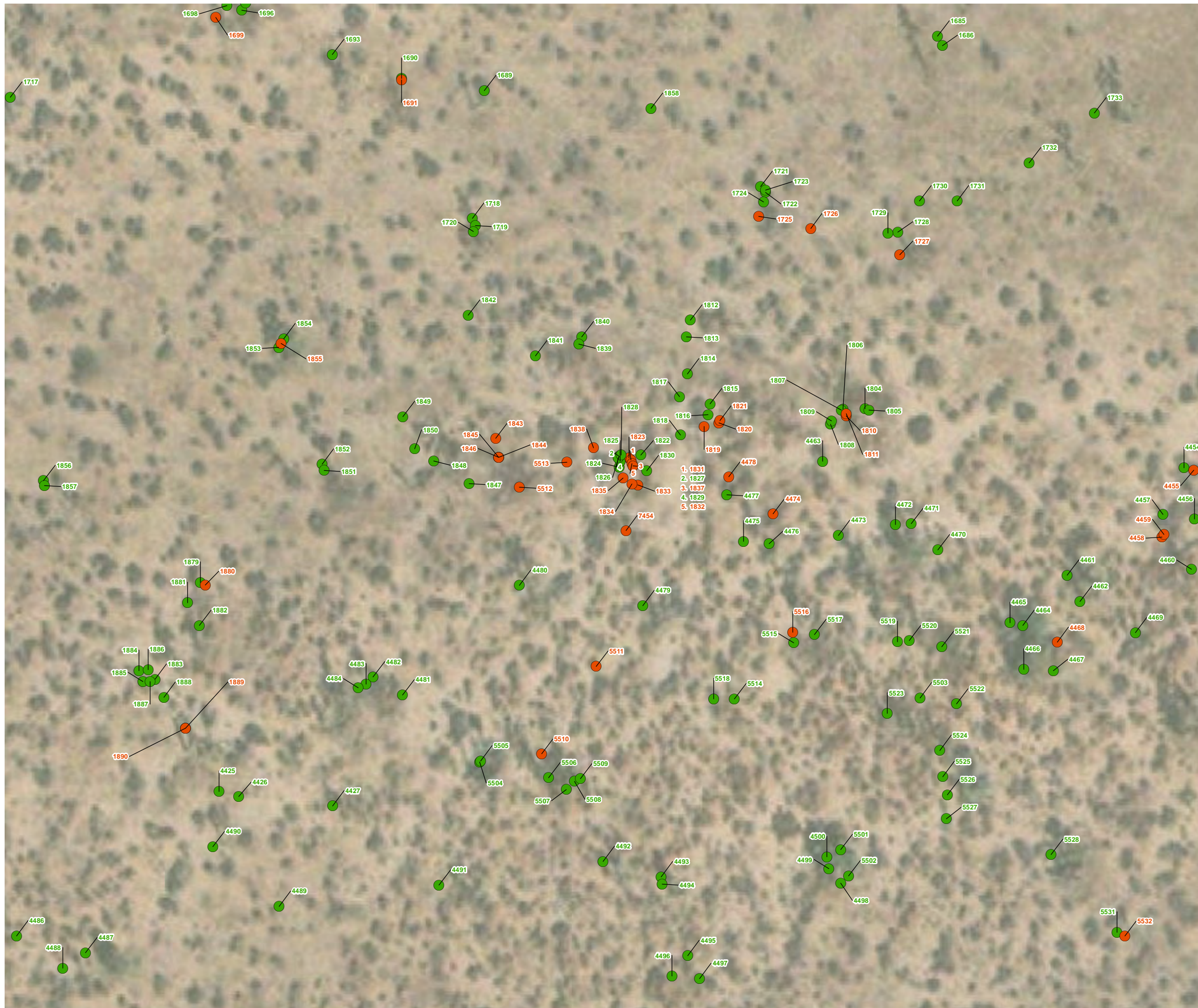
Survey Results Map Exhibit 3-45

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\lex_JoshuaTree_Results.pdf

D:\Projects\3\TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

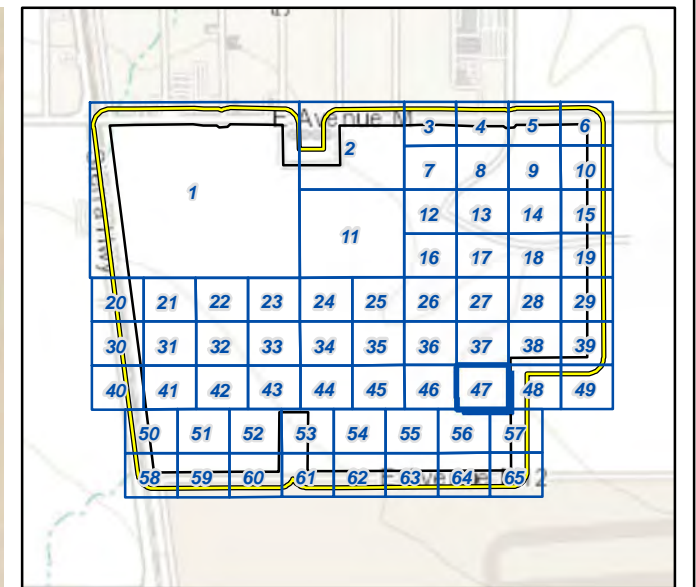
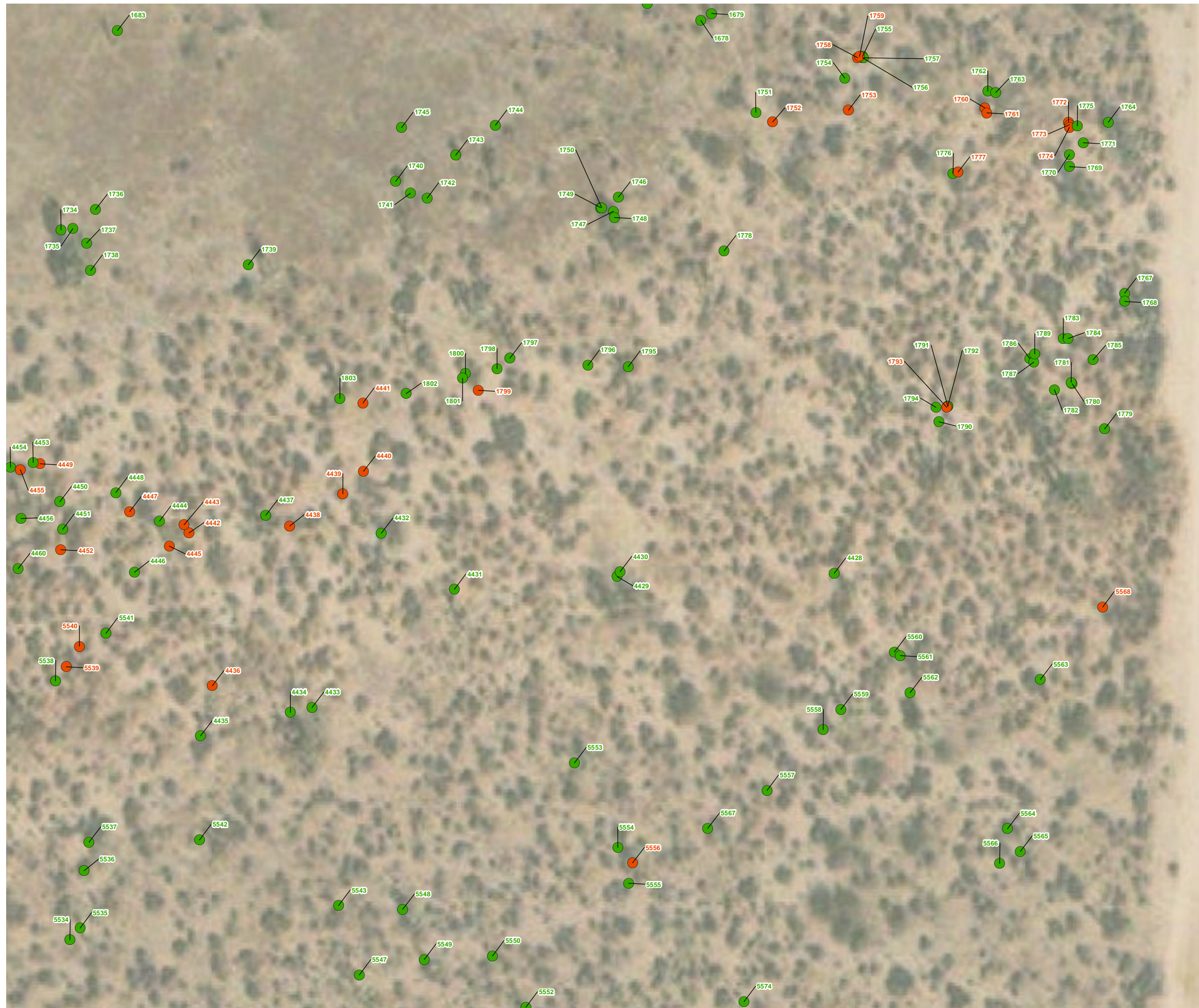
Survey Results Map Exhibit 3-46

Antelope Valley Commerce
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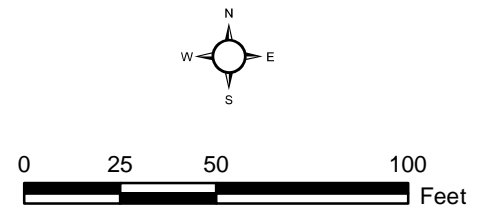
(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\lex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd

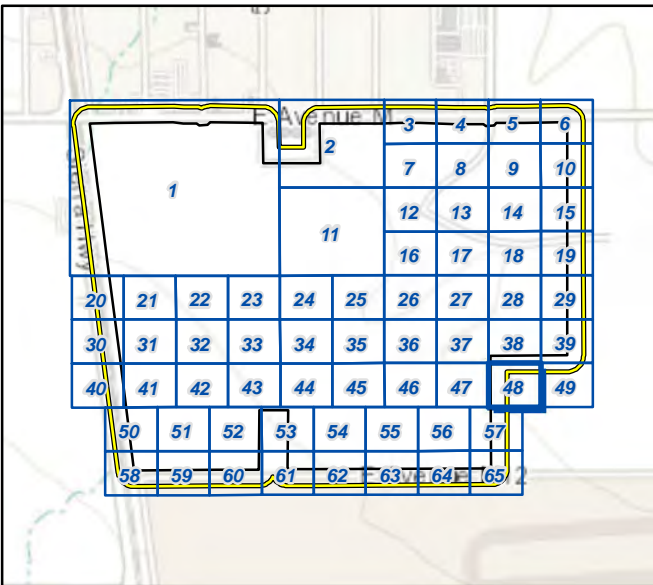




- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
- western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.

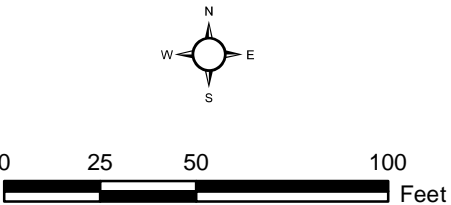


Aerial Source: Esri, Maxar 2021



-  Project Boundary
-  186-foot Survey Buffer

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.

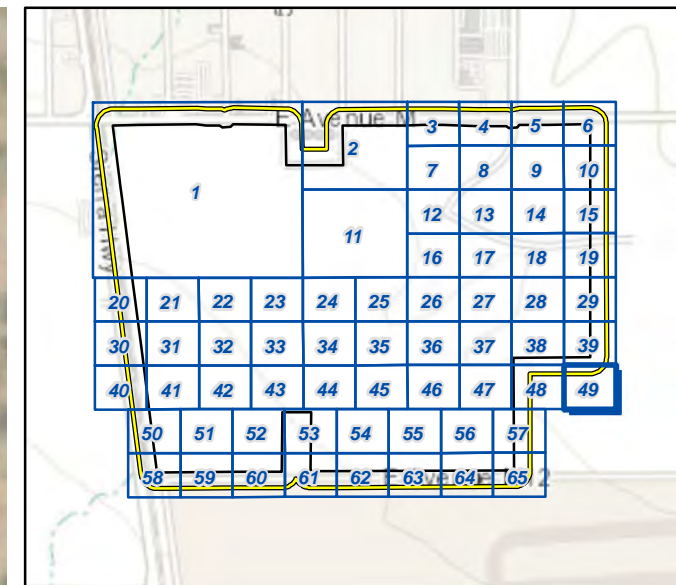



Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-48

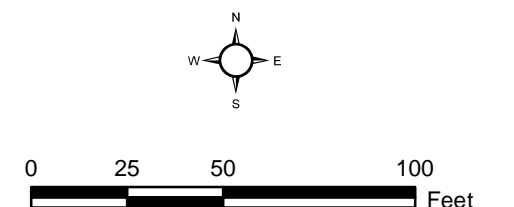
Antelope Valley Commerce
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 186-foot Survey Buffer

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



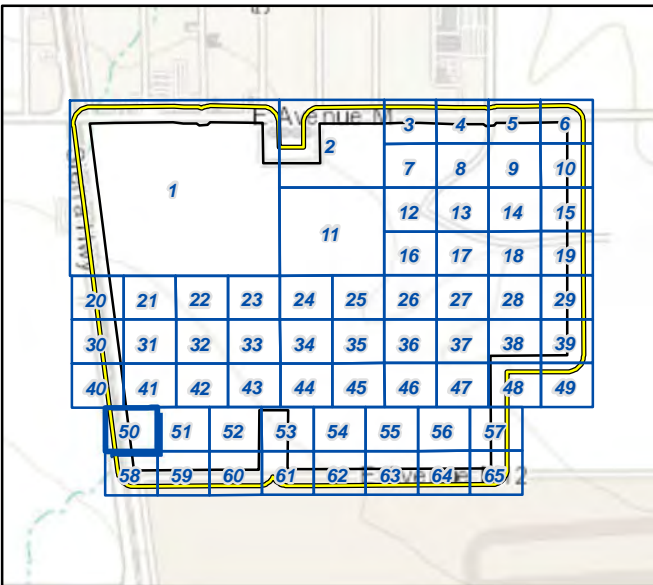
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-49

Antelope Valley Commerce
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(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf



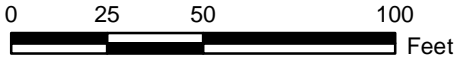
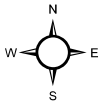
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.

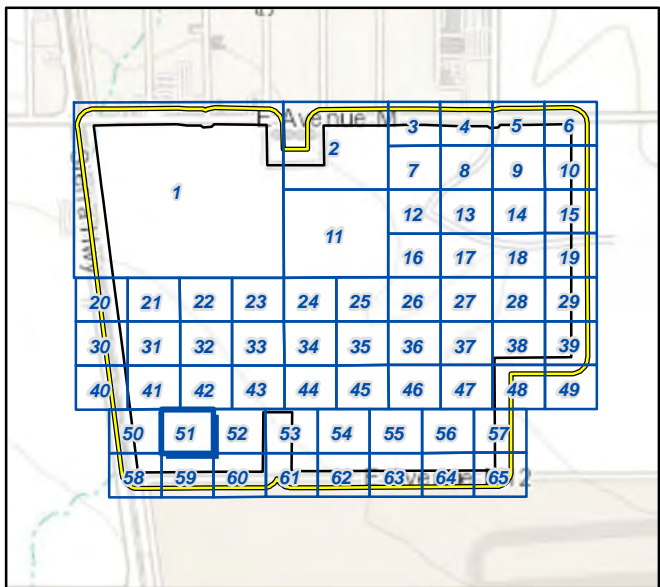
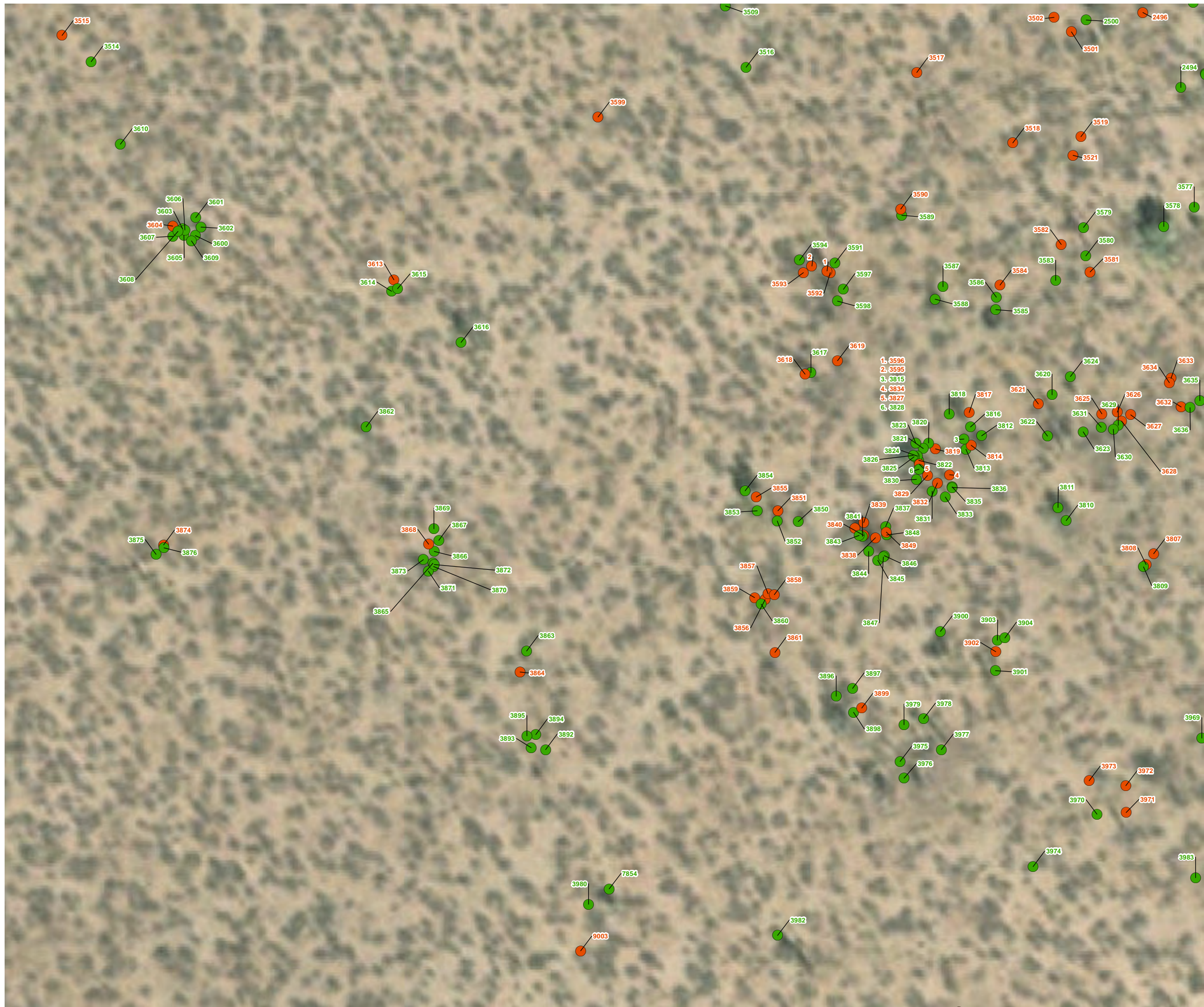


Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-50

Antelope Valley Commerce
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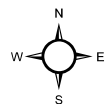
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

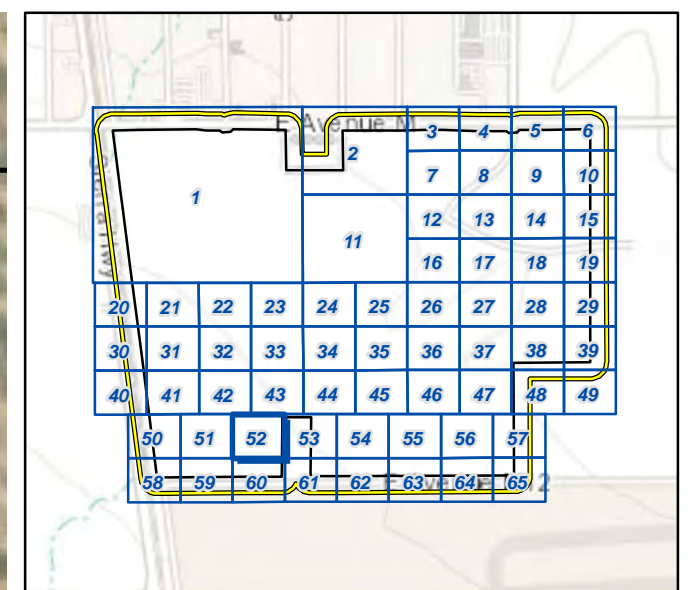
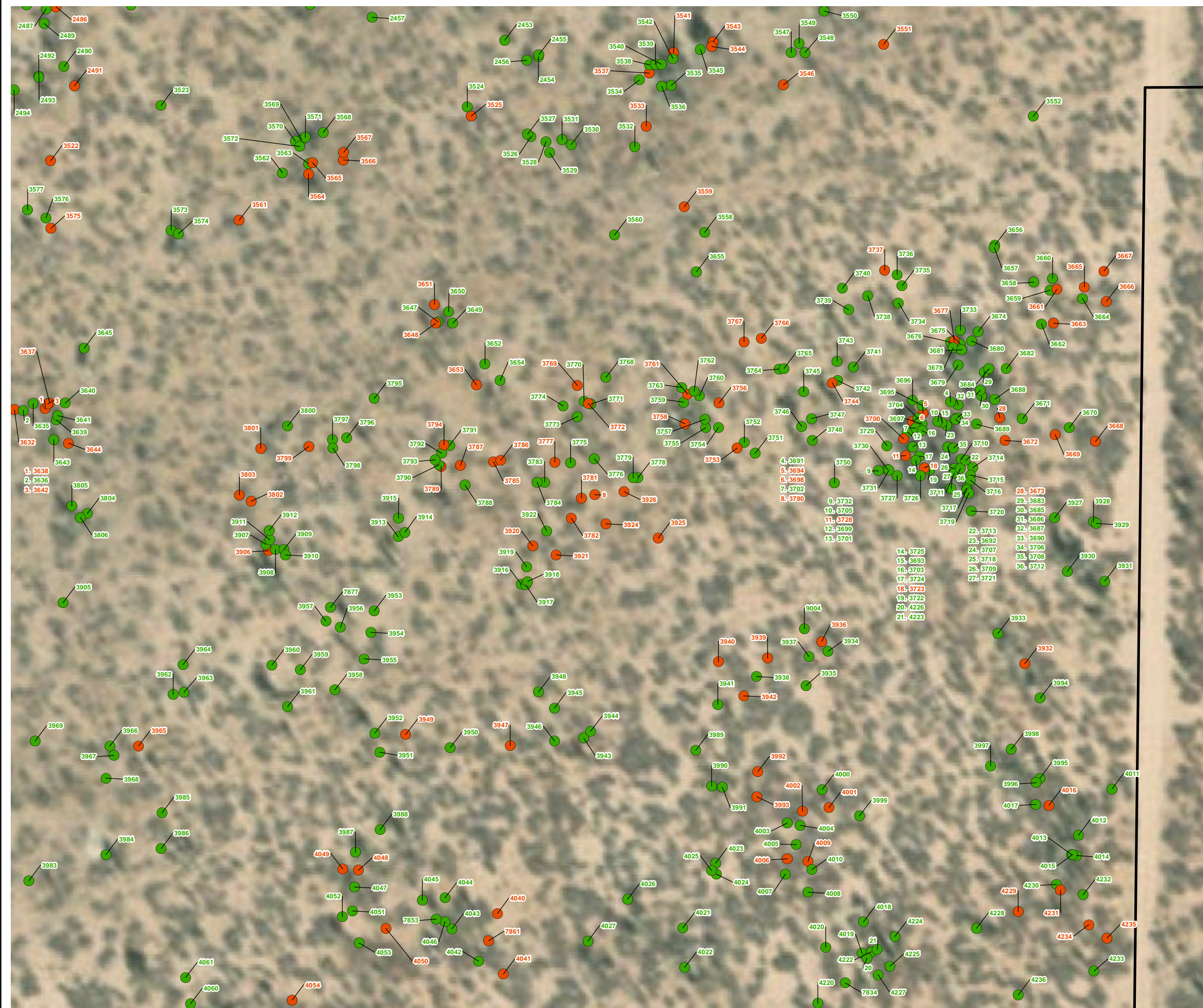
Aerial Source: Esri, Maxar 2021



Survey Results Map Exhibit 3-51

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\lex_JoshuaTree_Results.pdf

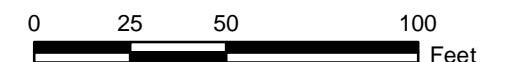
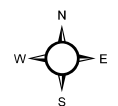


-  Project Boundary
 186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



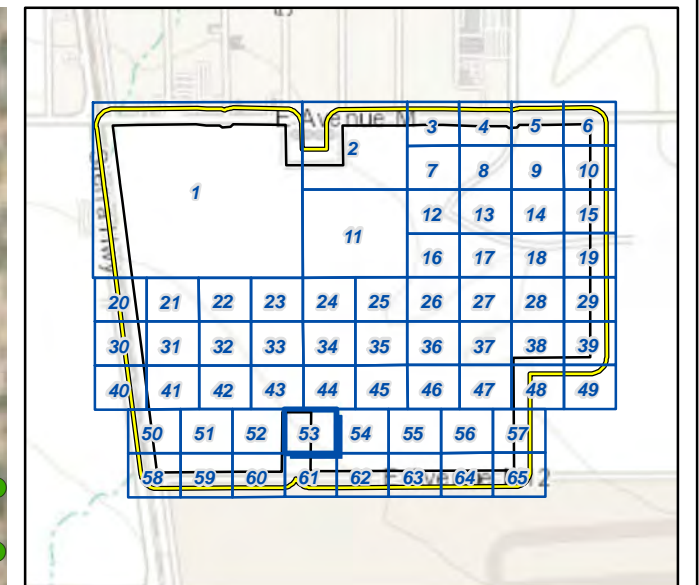
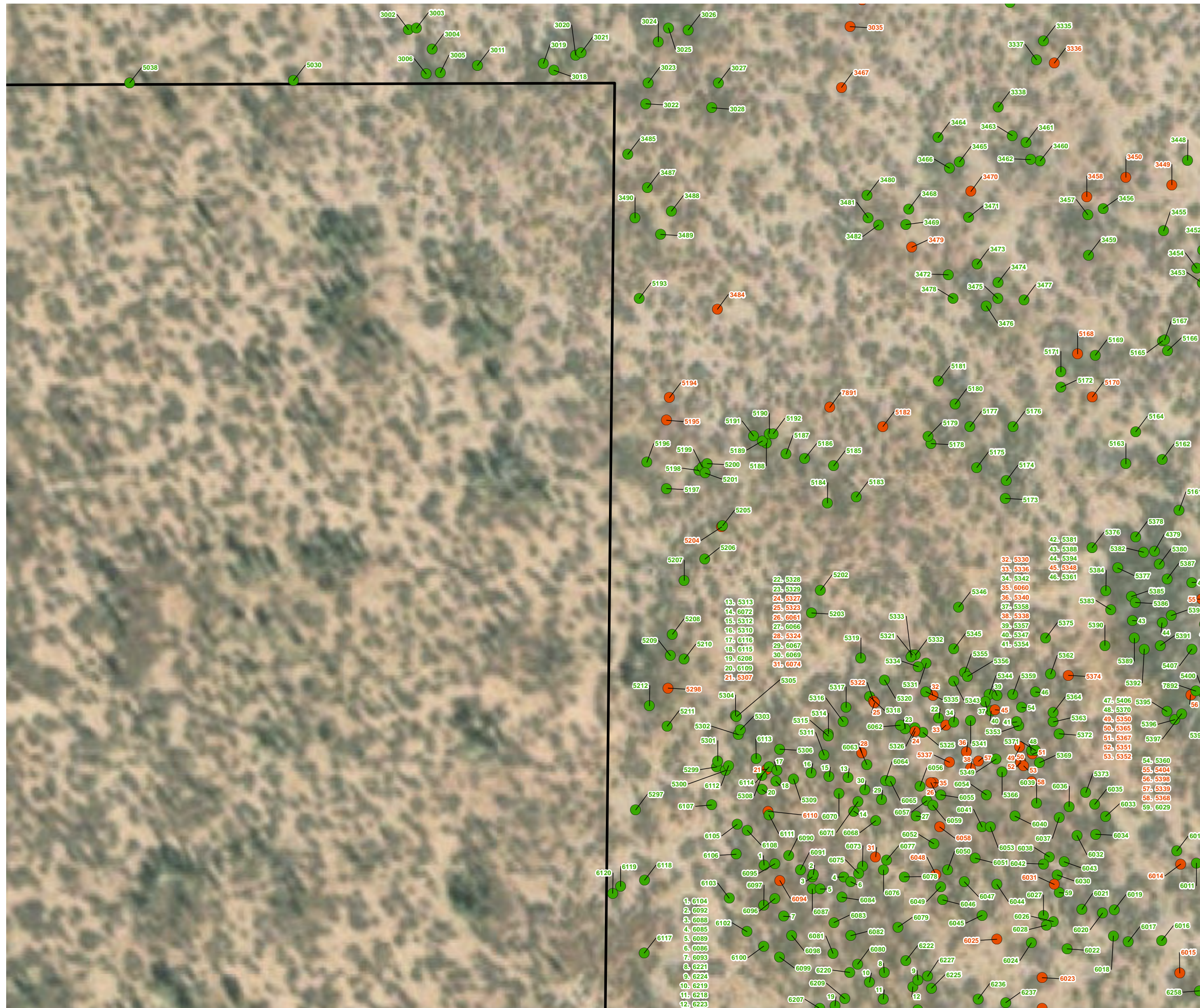
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-52

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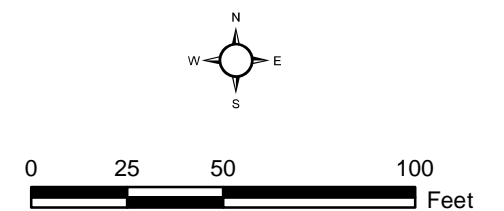


(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf



- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
 - western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



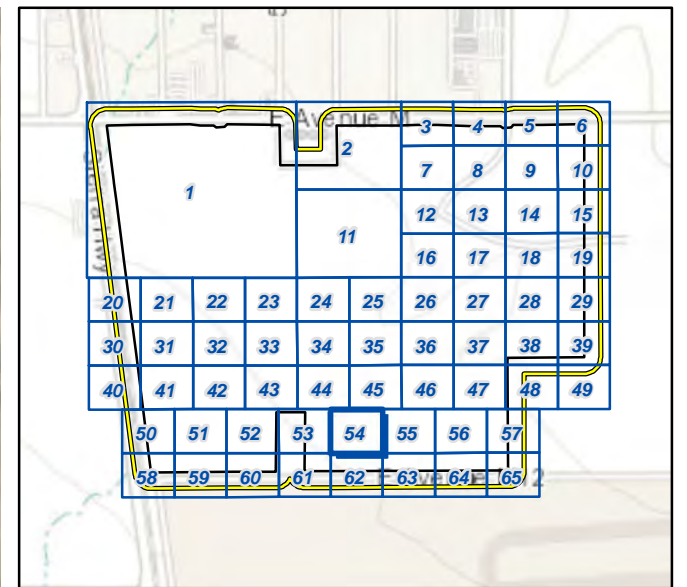
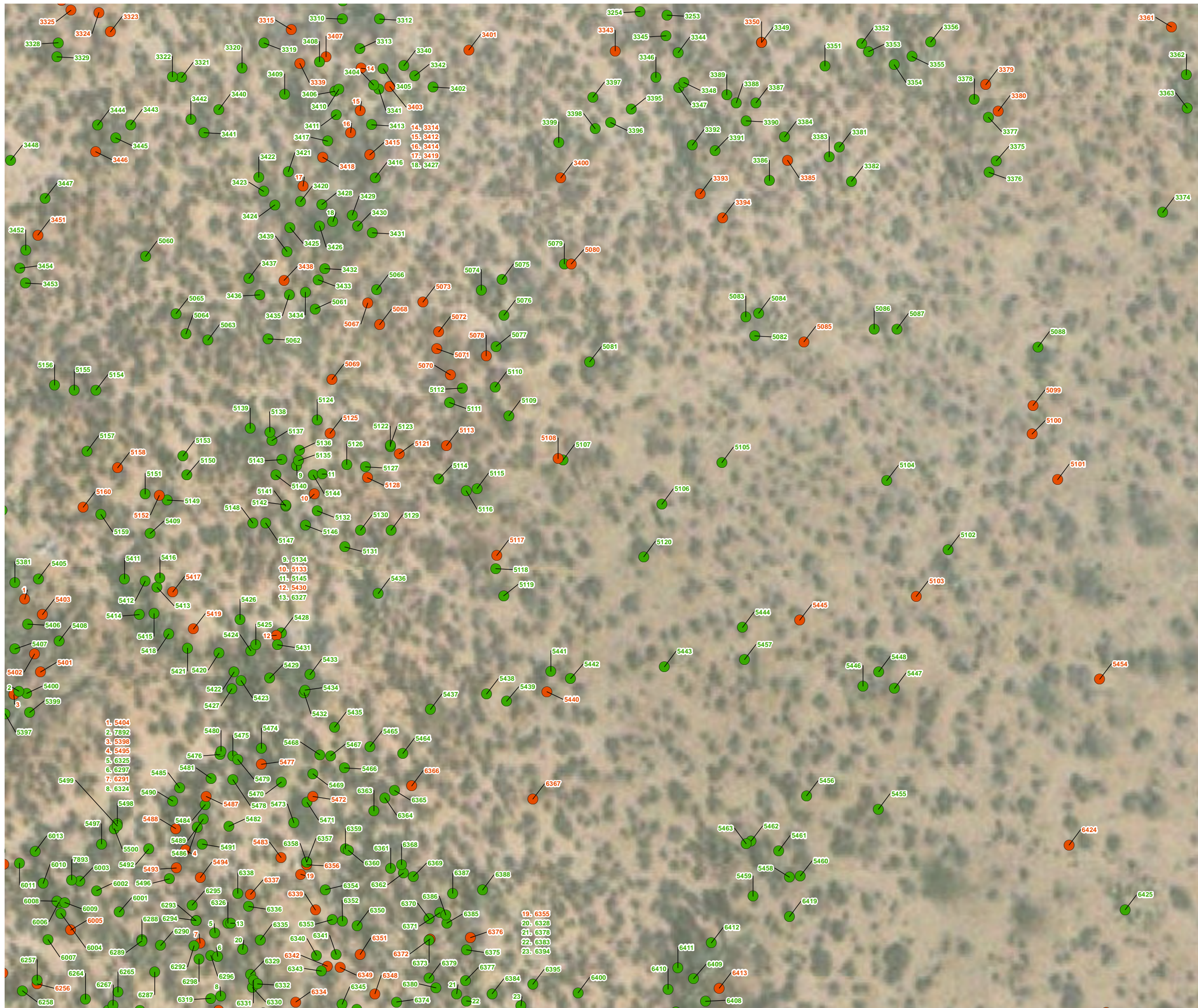
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-53

Antelope Valley Commerce Center Project

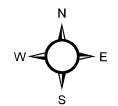
(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\lex_JoshuaTree_Results.pdf

D:\Projects\3\TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



- Project Boundary
- 186-foot Survey Buffer
- Joshua Tree Survey Results**
 - western Joshua tree
 - dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

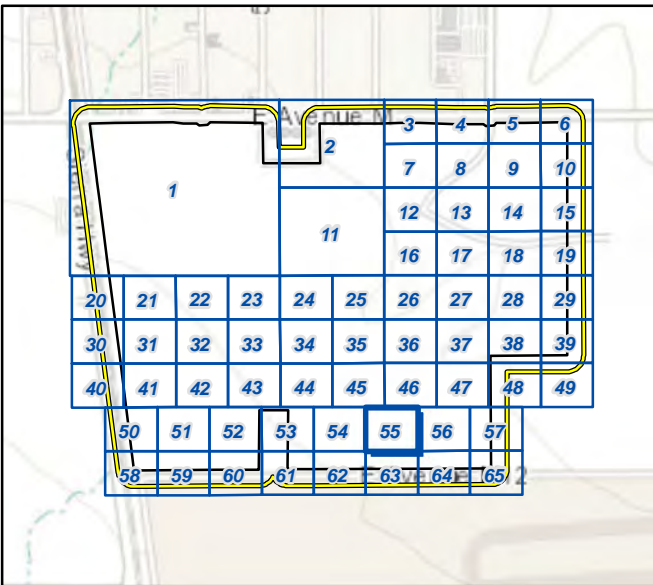
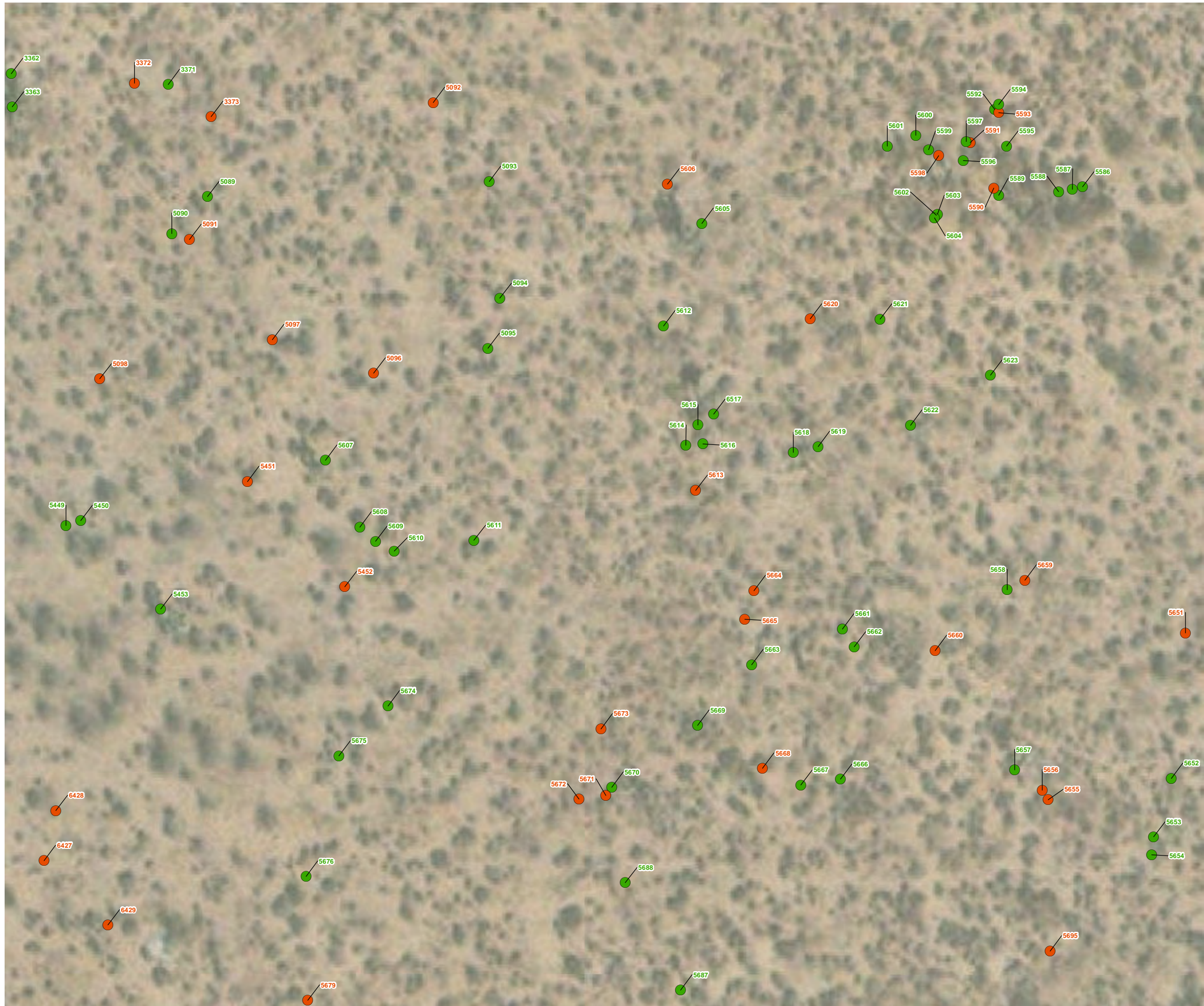
Survey Results Map Exhibit 3-54

Antelope Valley Commerce
Center Project



(Rev: 09/22/2022 JVR) R:\Projects\TBP\010200\Graphics\JTex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



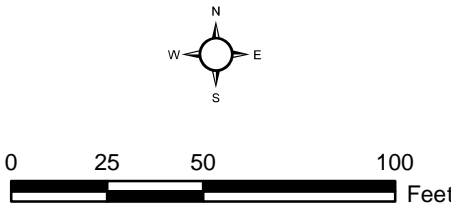
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



Aerial Source: Esri, Maxar 2021

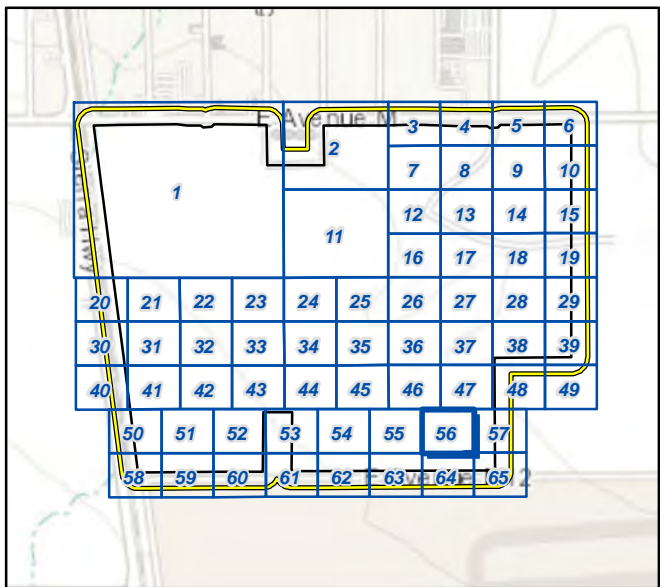
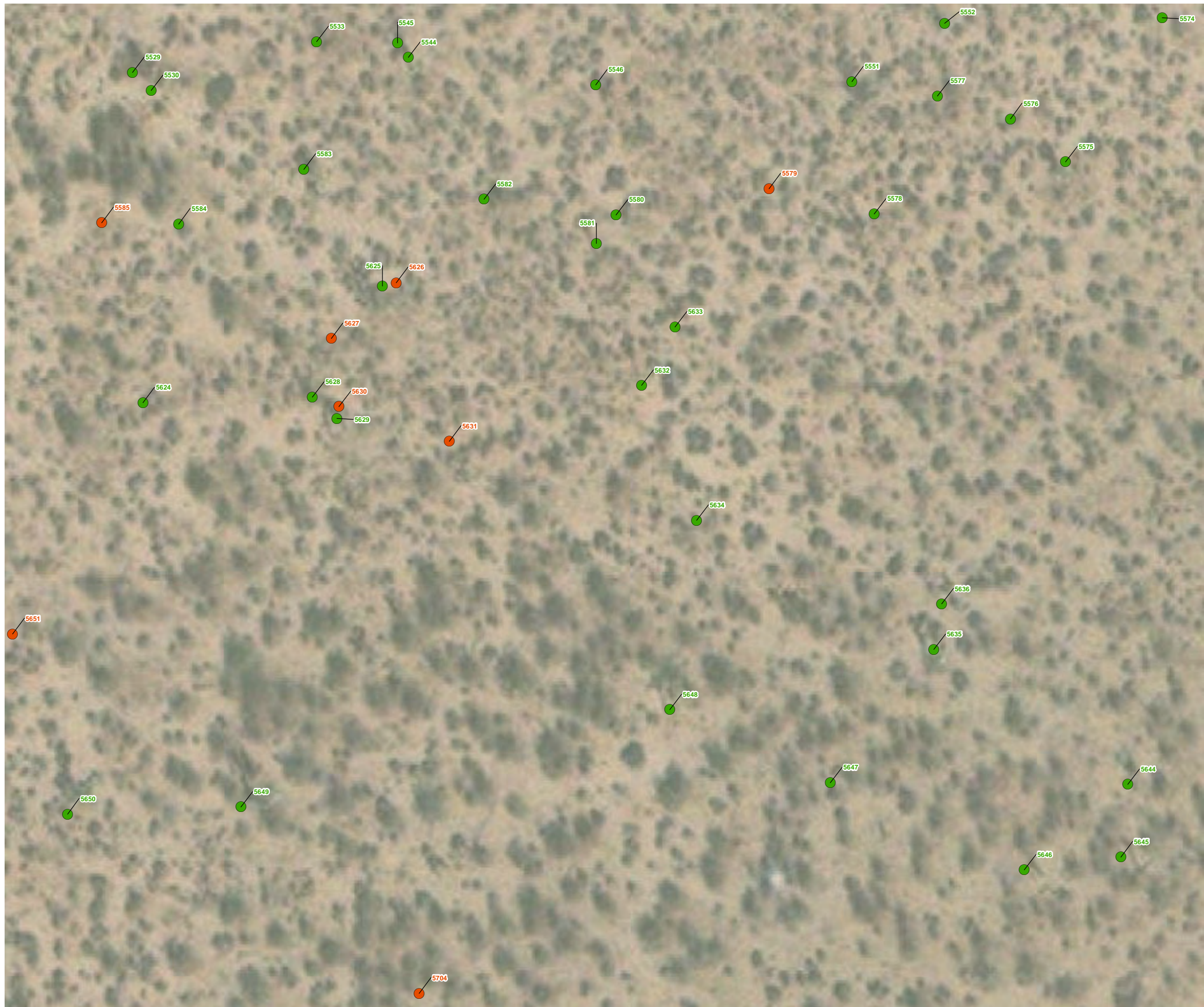
Survey Results Map Exhibit 3-55


Antelope Valley Commerce
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(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP\010200\Graphics\lex_JoshuaTree_Results.pdf



D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



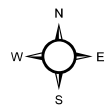
 Project Boundary

 186-foot Survey Buffer

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

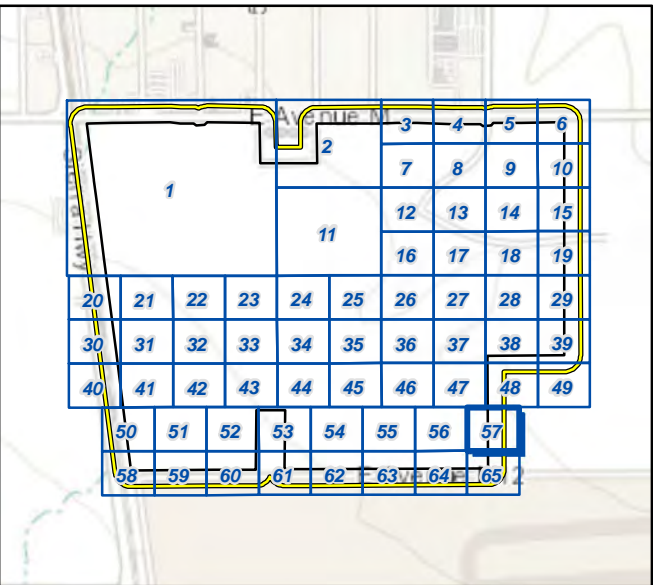
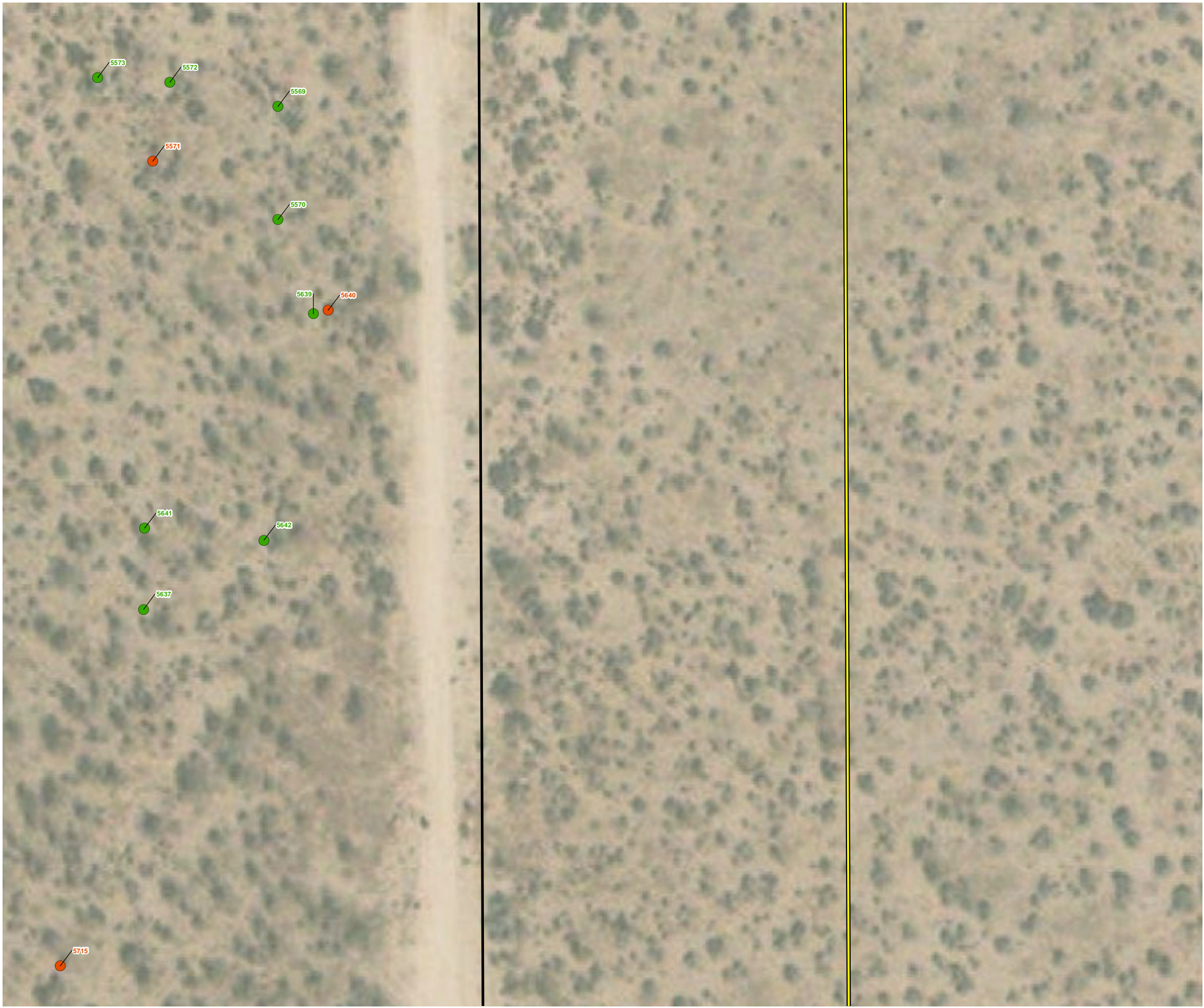
Aerial Source: Esri, Maxar 2021


Survey Results Map Exhibit 3-56


Antelope Valley Commerce
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(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf



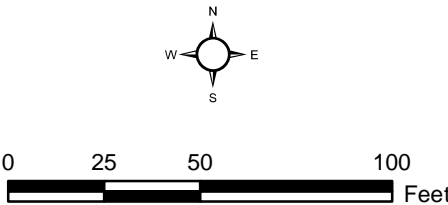
 Project Boundary

 186-foot Survey Buffer

Joshua Tree Survey Results

-  western Joshua tree
-  dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



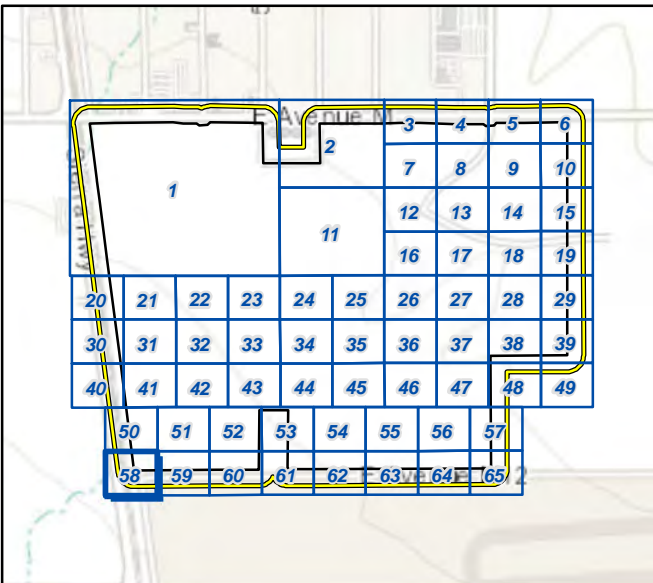
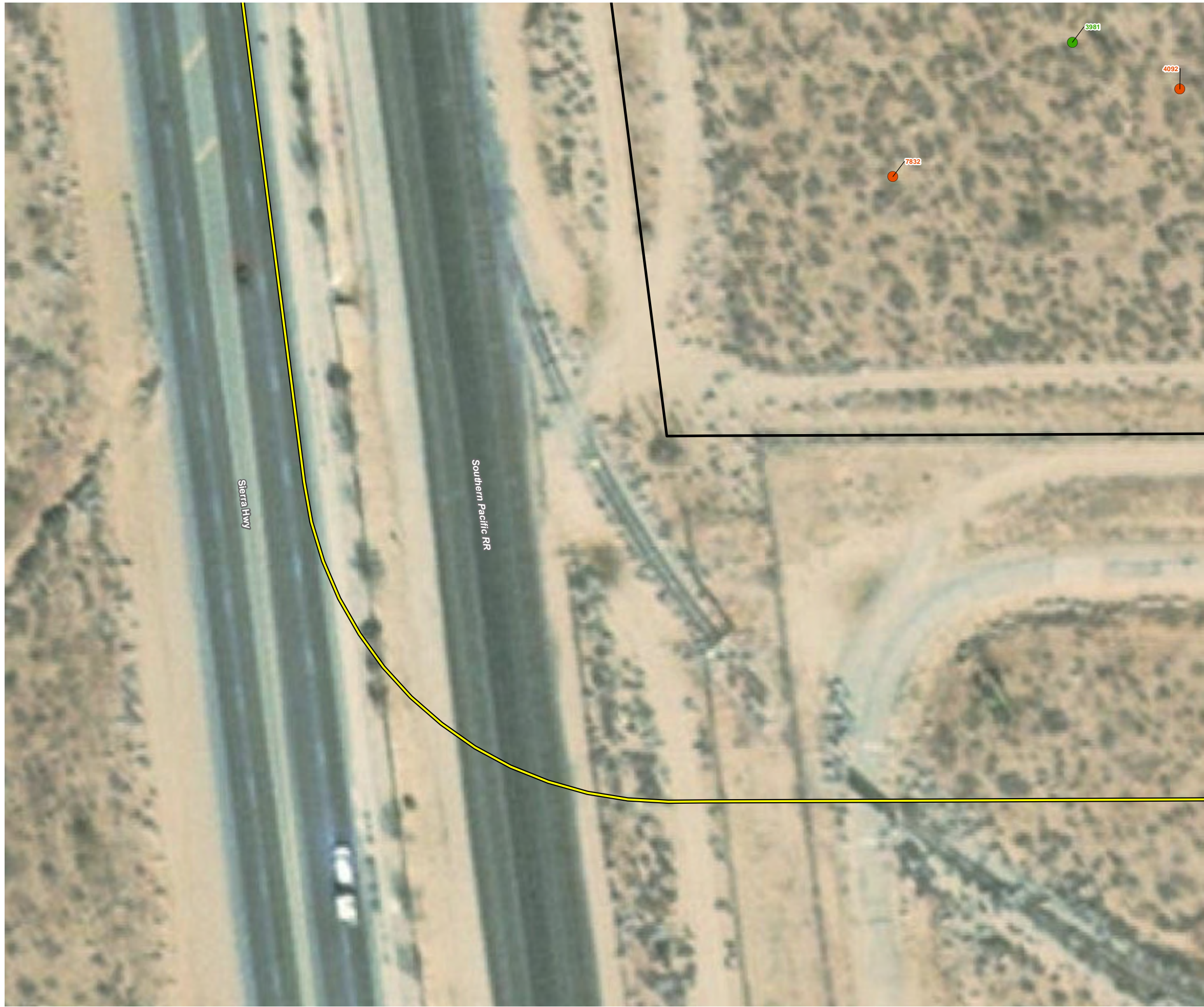
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-57

Antelope Valley Commerce
Center Project



D:\Projects\3TBP\010200MXD\UTex_JoshuaTree_Results_2020922_v2.mxd



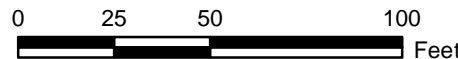
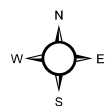
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



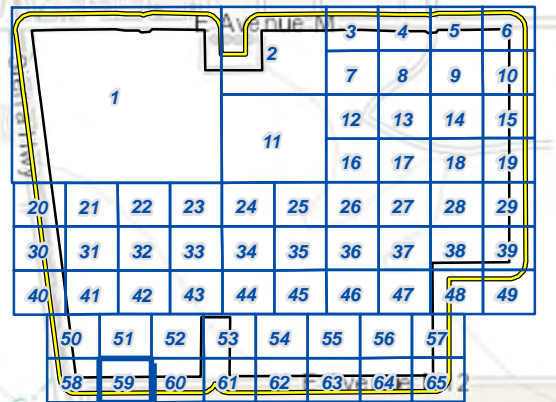
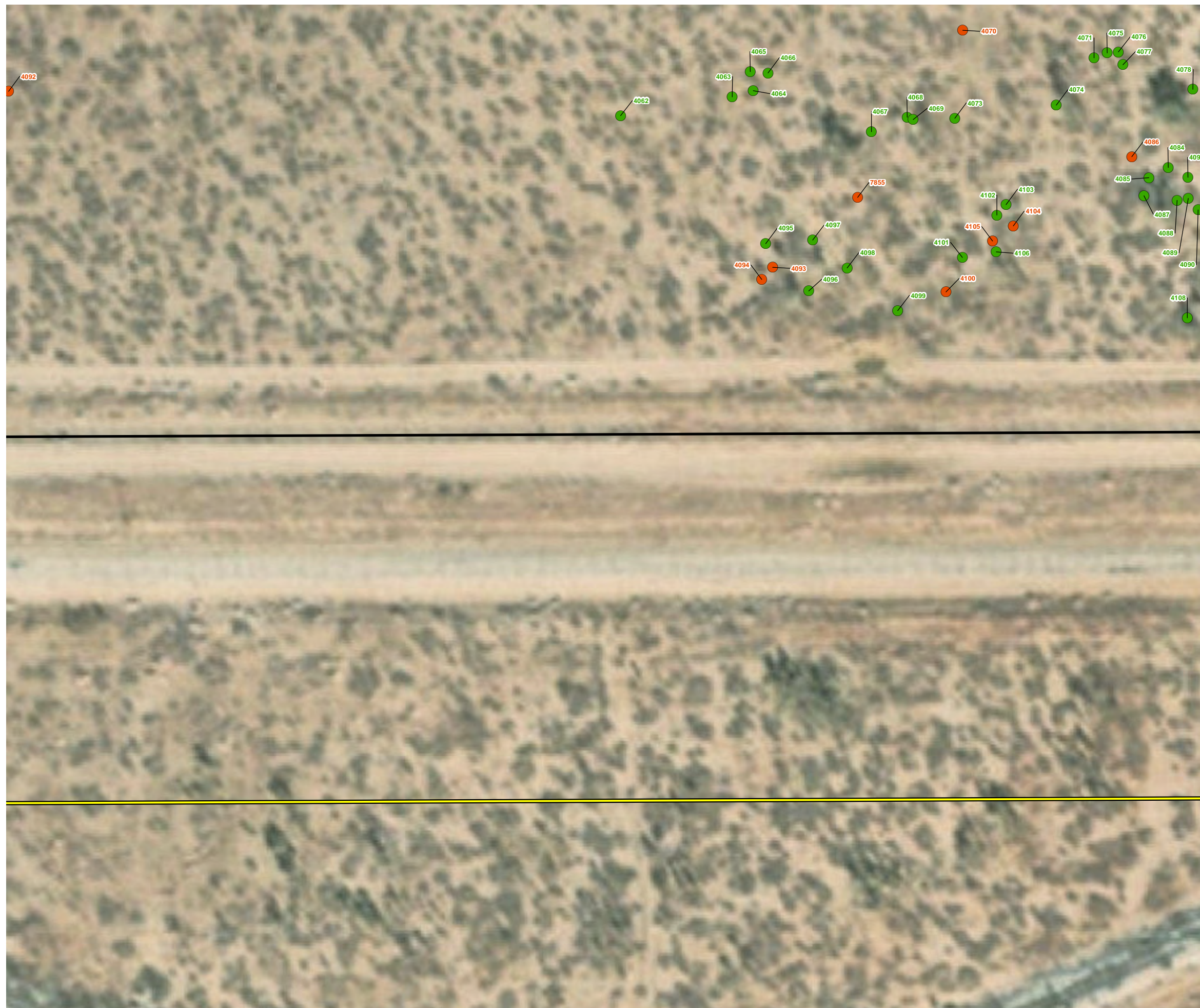
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-58

Antelope Valley Commerce
Center Project

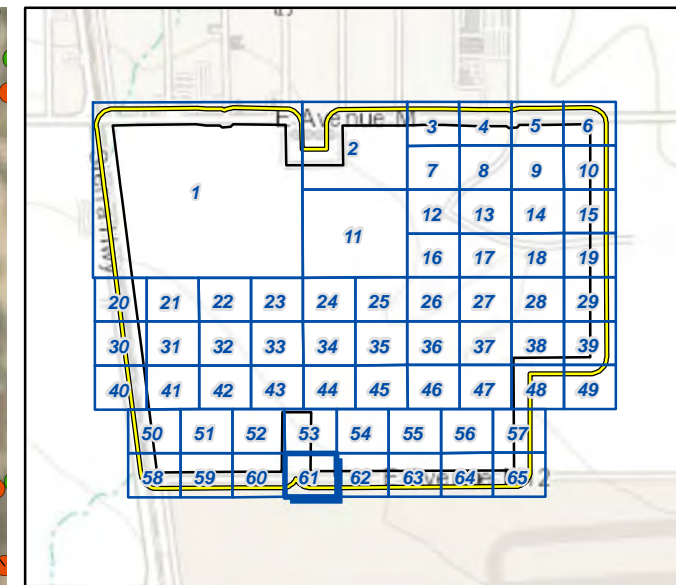
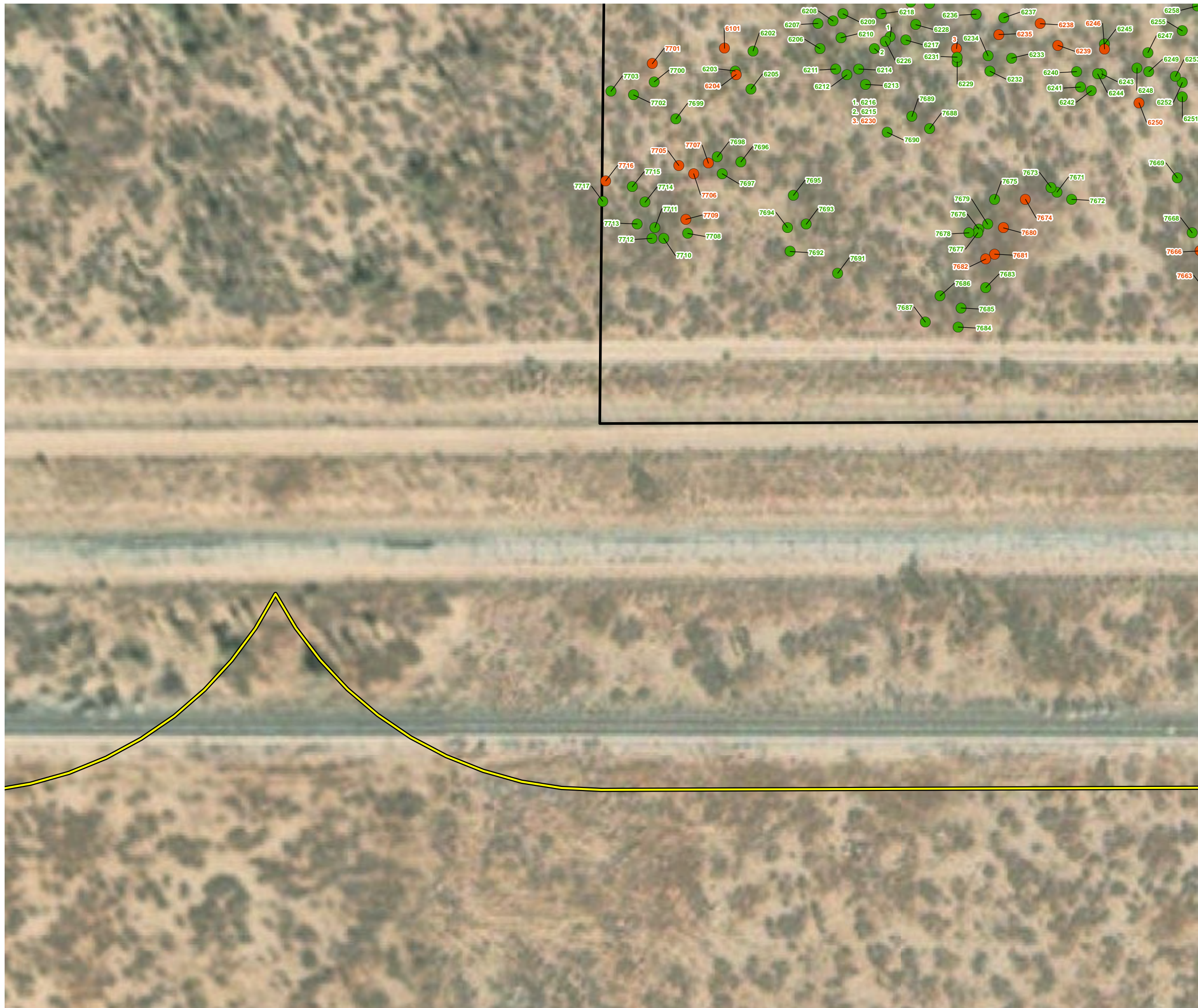


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(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf

D:\Projects\3TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd



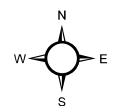
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

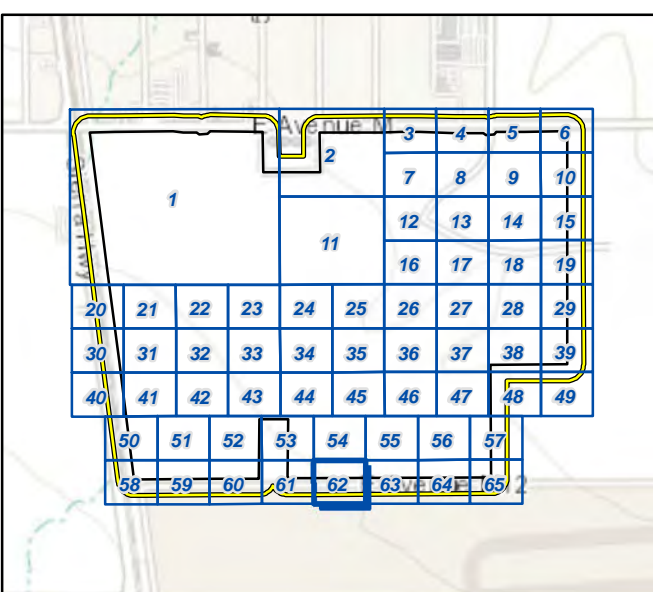
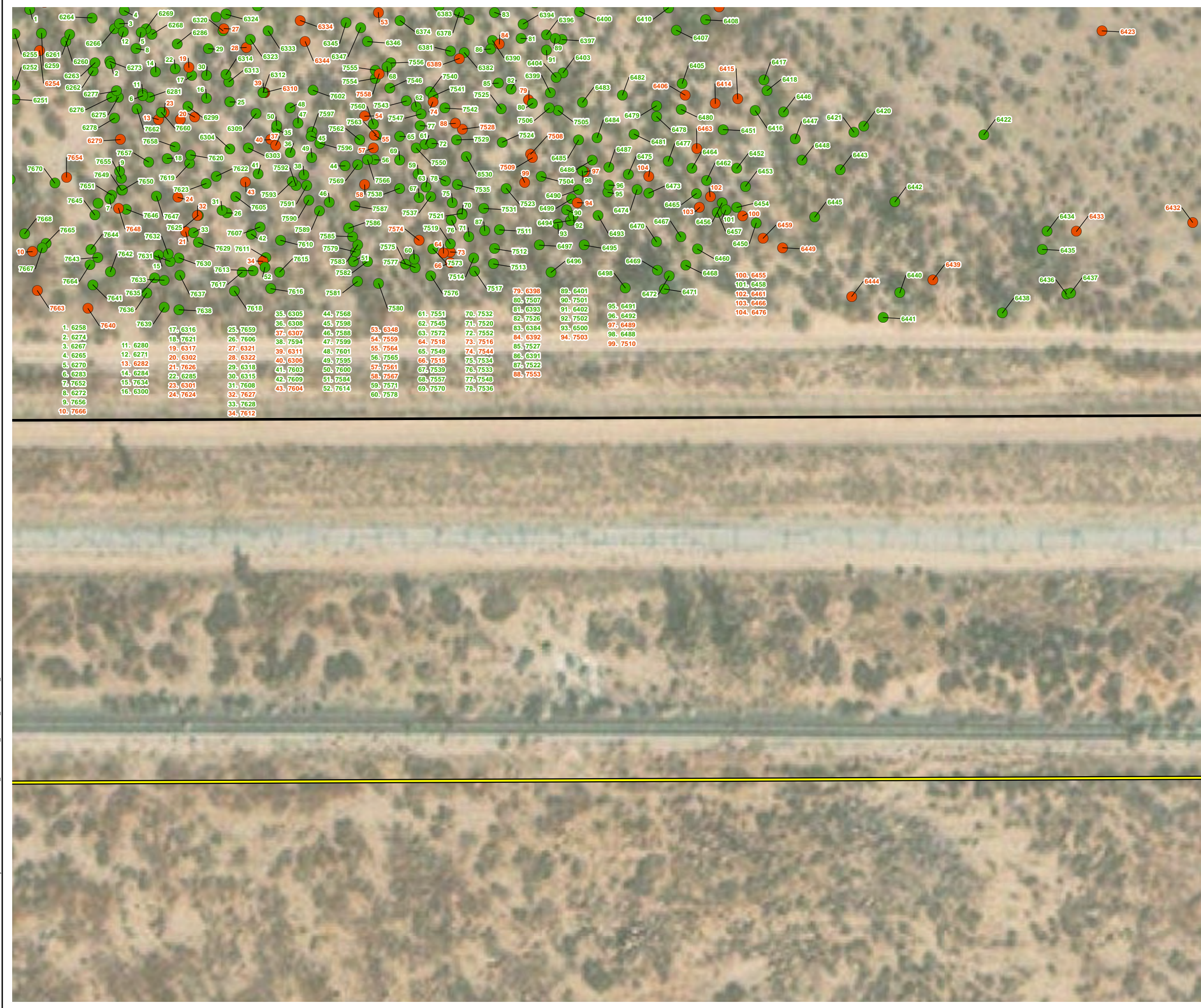
Survey Results Map Exhibit 3-61

Antelope Valley Commerce
Center Project



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D:\Projects\3\TBP\010200MXD\JTex_JoshuaTree_Results_2020922_v2.mxd

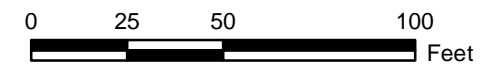
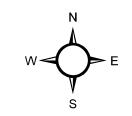


- Project Boundary
- 186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



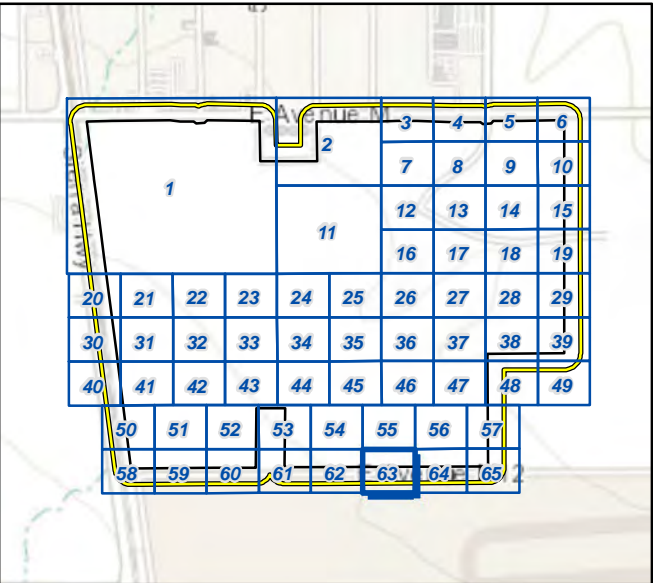
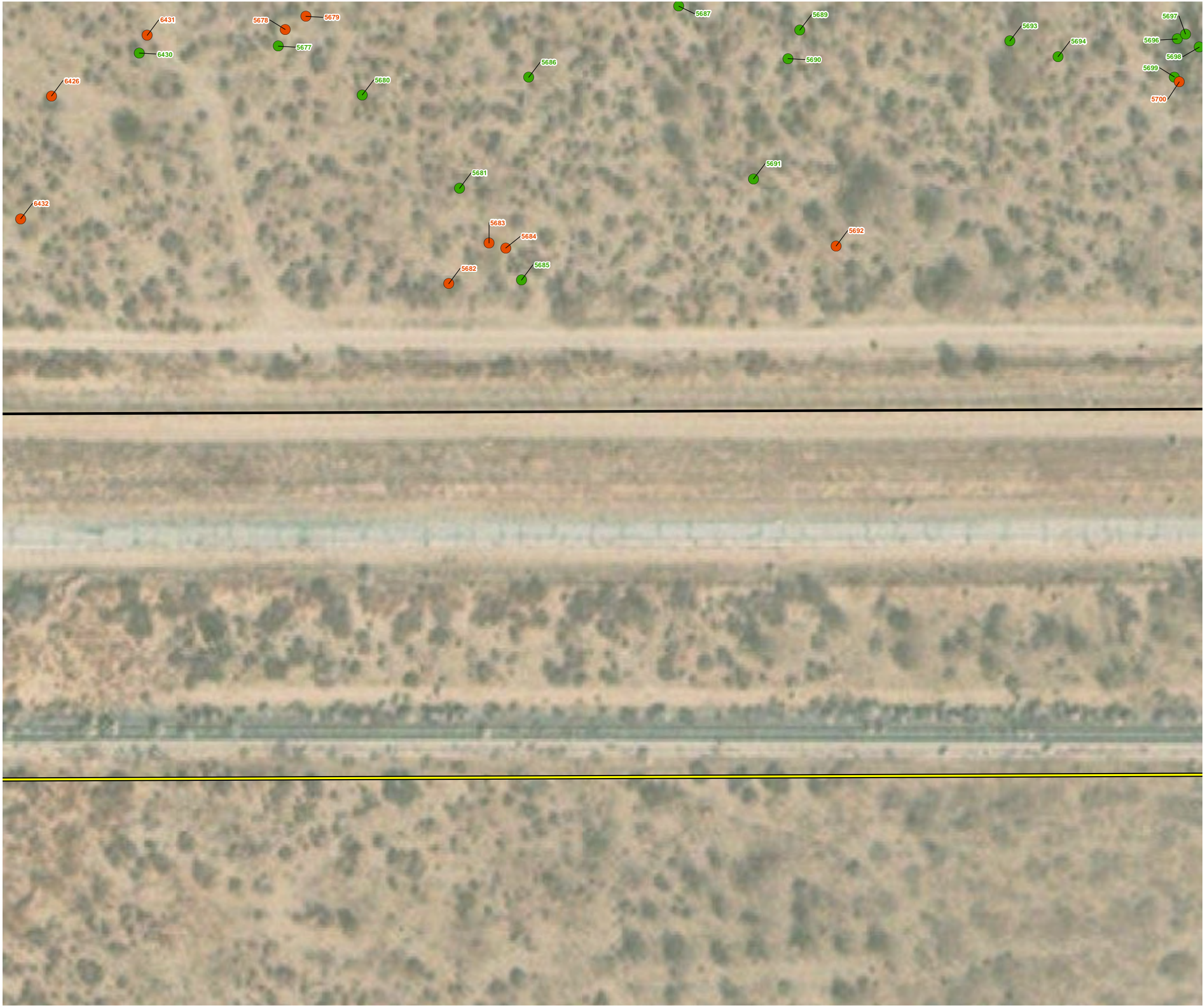
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-62

Antelope Valley Commerce
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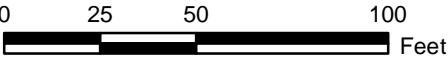
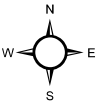
Project Boundary

186-foot Survey Buffer

Joshua Tree Survey Results

- western Joshua tree
- dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



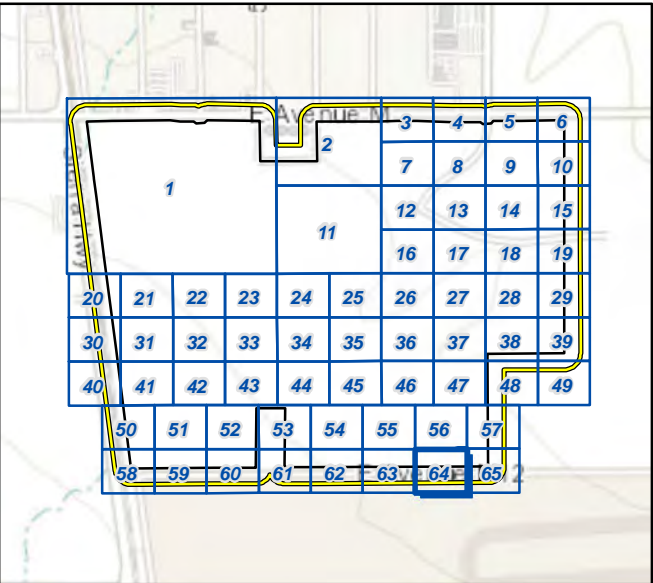
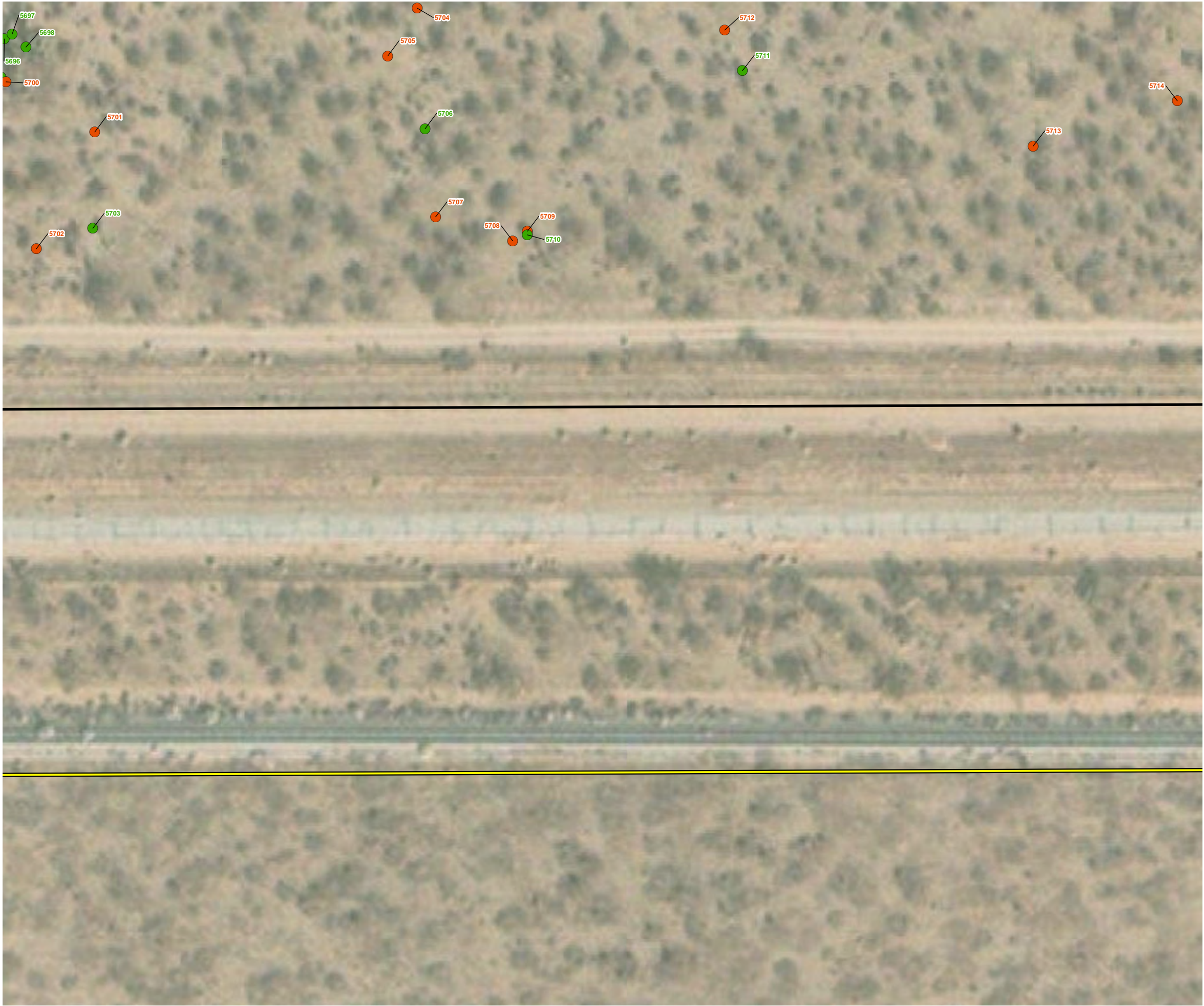
Aerial Source: Esri, Maxar 2021





Survey Results Map Exhibit 3-63

Antelope Valley Commerce
Center Project



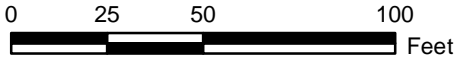
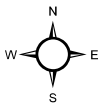
(Rev: 09/22/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\ex_JoshuaTree_Results.pdf



-  Project Boundary
-  186-foot Survey Buffer
-  western Joshua tree
-  dead western Joshua tree

Joshua Tree Survey Results

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



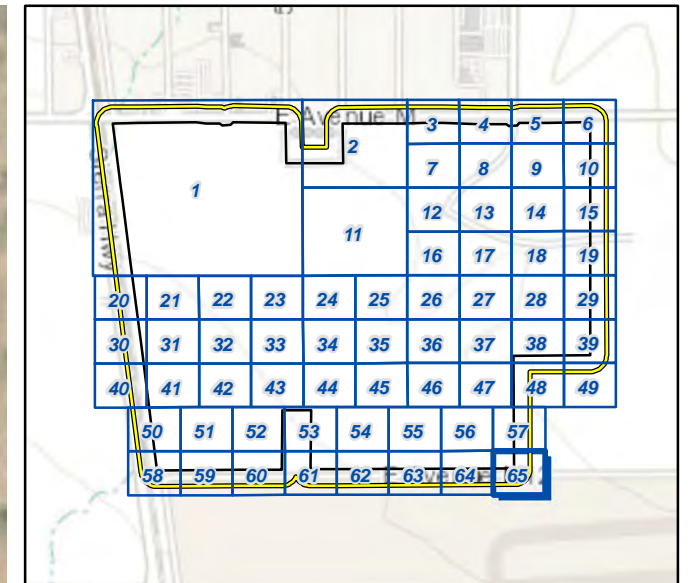
Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-64


Antelope Valley Commerce Center Project




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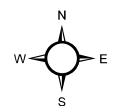
 Project Boundary

 186-foot Survey Buffer

Joshua Tree Survey Results

 dead western Joshua tree

Note: Trees documented on private property within the buffer area (1,012 total) are not reflected on the map, but are included in Attachment B.



0 25 50 100 Feet

Aerial Source: Esri, Maxar 2021

Survey Results Map Exhibit 3-65

Antelope Valley Commerce
Center Project



ATTACHMENT A

JOSHUA TREE PHOTOGRAPHS

*Photos of individual Joshua trees are included as part of the Project's Administrative Record
and are available for review at the City of Palmdale*

ATTACHMENT B

JOSHUA TREE SURVEY DATA TABLE

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	10	13	6	yes	4	11	good	no	yes		no
2	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	7	9	1	yes	0	1	good	no	yes		no
5	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	5	7	1	no	0	1	good	no	yes		no
6	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	no	6	10	2	no	1	2	good	yes	yes		no
7	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	5	7	1	no	0	1	good	no	yes		no
8	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	5	5	1	no	0	1	good	no	yes		no
9	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	5	2	1	no	0	1	good	no	yes		no
10	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	5	2	1	no	0	1	good	no	yes		no
11	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	3	3	1	no	0	1	good	no	yes		no
12	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	4	1	1	no	0	1	good	no	yes		no
13	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	no	8	9	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
14	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	4	2	1	no	0	1	good	no	yes		no
15	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
16	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
17	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
19	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	no	2	2	1	no	0	1	good	yes	yes		no
20	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	2	2	1	no	0	1	good	no	yes		no
21	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	2	2	1	no	0	1	good	no	yes		no
22	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	2	2	1	no	0	1	good	no	yes		no
23	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	3	3	1	no	0	1	good	no	yes		no
24	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	5	6	2	no	0	1	good	no	yes		no
25	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	8	10	3	no	0	3	good	no	yes		no
26	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	9	9	5	no	2	6	good	no	yes		no
27	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	11	13	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
28	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	14	15	10	yes	23	44	good	yes	yes		no
29	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	20	25	17	yes	20	40	fair	no	yes		no
30	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	12	13	7	yes	2	10	good	no	yes		no
31	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	8	7	2	no	0	0	good	no	yes		no
32	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	5	3	1	no	0	1	good	no	yes		no
33	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	8	8	3	no	1	2	good	no	yes		no
34	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	10	12	5	yes	2	2	good	no	yes		no
35	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	16	20	10	yes	22	35	good	no	yes		no
36	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	12	15	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
37	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	11	8	3	no	2	3	good	no	yes		no
38	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	19	17	20	yes	49	63	good	no	yes		no
39	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	3	3	2	no	0	2	good	no	yes		no
40	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	3	6	2	no	0	1	good	no	yes		no
41	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	8	7	3	yes	2	3	good	no	yes		no
42	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	yes	8	6	3	no	1	4	good	no	yes		no
43	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	5	4	1	no	0	1	good	no	yes		no
44	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	26	20	16	no	23	72	fair	no	yes		no
45	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
46	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
47	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
48	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
49	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
50	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
51	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
52	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
53	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	2	2	1	no	0	1	good	no	yes		no
54	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
55	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	4	4	2	no	0	2	good	yes	yes		no
56	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	4	4	1	no	0	1	good	yes	yes		no
57	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	3	1	no	0	1	good	yes	yes		no
58	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	3	1	no	0	1	good	yes	yes		no
59	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	3	1	no	0	1	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
60	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	2	1	1	no	0	1	good	yes	yes		no
61	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	2	1	1	no	0	1	good	yes	yes		no
62	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	2	1	no	0	1	good	yes	yes		no
63	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	2	1	no	0	1	good	yes	yes		no
64	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	4	3	2	no	0	2	good	yes	yes		no
65	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	4	3	2	no	0	1	good	yes	yes		no
66	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	4	3	2	no	0	2	good	yes	yes		no
67	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	2	2	no	0	1	good	yes	yes		no
68	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
69	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
70	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
71	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	4	5	1	no	0	1	good	no	yes		no
72	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	12	17	7	yes	6	24	good	no	yes		no
73	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	2	1	no	0	1	good	yes	yes		no
74	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	4	1	no	0	1	good	yes	yes		no
75	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	2	1	no	0	1	good	yes	yes		no
76	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	13	20	n/a	no	12	n/a	dead; severely aged	n/a	yes		n/a
77	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	no	20	25	18	yes	27	32	fair	no	yes	bee hive in tree; prevented tagging	no
78	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	5	9	5	no	0	6	poor	no	yes	bee hive in tree adjacent; prevented tagging	no
79	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	no	yes	7	5	3	no	0	3	good	no	yes	bee hive in tree adjacent; prevented tagging	no
80	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	5	5	2	no	0	2	good	no	yes		no
81	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	15	16	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
82	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	2	1	1	no	0	1	good	yes	yes		no
83	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	2	2	1	no	0	1	good	yes	yes		no
84	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	5	5	2	no	0	1	good	yes	yes		no
85	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	8	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
86	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	9	11	3	yes	5	3	good	no	yes		no
87	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	11	13	8	yes	16	16	good	no	yes		no
88	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	8	10	8	yes	11	14	good	no	yes		no
89	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	4	3	1	no	0	1	good	no	yes		no
90	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	8	8	3	no	3	2	good	no	yes		no
91	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	8	7	3	yes	4	2	good	no	yes		no
92	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	1	1	yes	0	1	good	yes	yes		no
93	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	5	5	2	no	0	1	good	yes	yes		no
94	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	12	13	n/a	yes	3	n/a	dead; severely aged	n/a	yes		n/a
95	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	11	13	8	yes	10	18	fair	no	yes		no
96	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	2	2	1	no	0	1	good	yes	yes		no
97	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	7	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
98	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	5	5	2	no	0	1	good	yes	yes		no
99	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	5	6	2	no	0	1	good	yes	yes		no
100	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	7	9	n/a	no	2	n/a	dead; severely aged	n/a	yes		n/a
101	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	3	1	no	0	1	good	yes	yes		no
102	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	8	14	5	yes	5	12	good	yes	yes		no
103	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	10	13	6	yes	10	21	good	yes	yes		no
104	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
105	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/21/2022	yes	no	9	17	10	no	9	23	critical	no	yes		no
108	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	no	14	13	6	yes	2	10	fair	no	yes		no
109	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	no	7	6	3	no	0	1	good	yes	yes		no
110	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	no	no	8	9	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
111	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	no	8	9	2	no	1	2	good	yes	yes		no
112	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	6	7	1	no	0	1	good	no	yes		no
113	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	2	3	1	no	0	1	good	no	yes		no
114	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	8	10	2	yes	2	2	good	no	yes		no
115	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	4	5	1	yes	0	1	good	no	yes		no
116	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	8	8	2	no	1	2	good	no	yes		no
117	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	11	9	3	yes	1	6	fair	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
118	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	14	9	7	yes	0	6	fair	no	yes		no
119	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	9	10	4	yes	3	6	good	no	yes		no
120	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	8	10	3	no	2	2	good	no	yes		no
121	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	9	12	3	no	3	7	good	no	yes		no
122	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	9	10	5	no	1	9	fair	no	yes	some decay present	no
123	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	7	7	1	no	0	1	good	no	yes		no
124	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	8	8	1	no	1	1	good	no	yes		no
125	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	7	7	1	no	0	1	good	no	yes		no
126	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	16	11	5	yes	2	7	good	no	yes		no
127	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	no	8	11	3	no	3	4	good	yes	yes		no
128	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	no	5	4	1	no	0	1	good	yes	yes		no
129	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	no	4	2	1	no	0	1	good	yes	yes		no
130	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	no	8	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
131	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	no	13	16	13	yes	32	61	good	no	yes		no
132	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	7	8	3	yes	2	2	good	no	yes		no
133	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	yes	6	7	3	no	2	1	good	no	yes		no
135	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/22/2022	yes	no	13	11	9	yes	9	12	good	yes	yes		no
136	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	11	12	8	yes	3	15	good	yes	yes		no
137	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	3	4	1	no	0	1	good	yes	yes		no
138	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	3	3	1	no	0	1	good	yes	yes		no
139	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	7	1	no	0	1	good	no	yes		no
140	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	3	3	1	no	0	1	good	yes	yes		no
141	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	3	3	1	no	0	1	good	yes	yes		no
142	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	13	8	yes	2	38	good	no	yes		no
143	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	9	11	4	yes	2	5	good	yes	yes		no
144	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	4	4	1	no	0	1	good	yes	yes		no
145	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	14	8	yes	3	40	good	no	yes		no
146	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	2	3	1	no	0	1	good	no	yes		no
147	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	2	3	1	no	0	1	good	no	yes		no
148	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	7	1	no	0	1	good	no	yes		no
149	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	7	1	no	0	1	good	no	yes		no
150	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	4	1	no	0	1	good	no	yes		no
151	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	4	1	no	0	1	good	no	yes		no
152	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	10	6	yes	1	10	good	no	yes		no
153	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	5	5	1	no	0	1	good	yes	yes		no
154	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	3	3	1	no	0	1	good	yes	yes		no
155	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	3	3	1	no	0	1	good	yes	yes		no
156	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	2	1	1	no	0	1	good	yes	yes		no
157	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	15	20	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
158	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	7	1	no	0	1	good	no	yes		no
159	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	8	2	no	0	3	good	no	yes		no
160	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	9	2	no	0	2	good	no	yes		no
161	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
162	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	1	yes	1	3	good	no	yes		no
163	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	1	no	0	2	good	no	yes		no
164	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	4	5	1	no	0	2	good	no	yes		no
165	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
166	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
167	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	8	1	no	0	1	good	no	yes		no
168	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	1	no	0	1	good	no	yes		no
169	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	4	1	no	0	1	good	no	yes		no
170	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	5	1	no	0	1	good	no	yes		no
171	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	5	1	no	0	1	good	no	yes		no
172	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	7	1	no	0	1	good	no	yes		no
173	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	4	3	1	no	0	1	good	no	yes		no
174	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	9	1	no	0	1	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
175	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	7	1	no	0	1	good	no	yes		no
176	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	4	6	1	no	0	1	good	no	yes		no
177	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	8	1	no	0	3	good	no	yes		no
178	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	6	1	no	0	2	good	no	yes		no
179	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	1	1	1	no	0	1	good	no	yes		no
180	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	1	1	1	no	0	1	good	no	yes		no
181	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
182	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
183	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
184	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
185	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	9	8	3	no	0	3	good	no	yes		no
186	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
187	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
188	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	4	2	no	0	2	good	no	yes		no
189	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	9	2	no	0	2	good	no	yes		no
190	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	13	8	yes	5	28	good	no	yes		no
191	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	3	3	1	yes	0	1	good	yes	yes		no
192	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	9	16	n/a	no	0	20	dead; moderately aged	n/a	yes		n/a
193	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	7	7	2	yes	0	2	good	yes	yes		no
194	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	3	2	1	yes	0	1	good	yes	yes		no
195	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	5	6	2	yes	0	1	good	yes	yes		no
196	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	11	17	n/a	yes	0	30	dead; moderately aged	n/a	yes		n/a
197	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	3	1	yes	0	1	good	no	yes		no
198	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
199	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	9	1	yes	1	1	good	no	yes		no
200	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	5	5	2	no	0	2	good	yes	yes		no
201	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	6	2	no	0	2	good	no	yes		no
202	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	4	1	no	0	1	good	no	yes		no
203	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	7	1	no	0	2	good	no	yes		no
204	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
205	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
206	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	10	9	3	yes	1	4	good	yes	yes		no
207	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	1	1	1	no	0	1	good	no	yes		no
208	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	9	9	3	no	0	2	good	no	yes		no
209	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	9	8	1	yes	1	1	good	no	yes		no
210	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	11	17	8	yes	0	20	good	no	yes		no
211	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	4	1	no	0	1	good	no	yes		no
212	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	4	1	no	0	1	good	no	yes		no
213	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	1	1	1	no	0	1	good	no	yes		no
214	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	6	1	no	0	1	good	no	yes		no
215	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	6	1	no	0	1	good	no	yes		no
216	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	6	1	no	0	1	good	no	yes		no
217	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	4	1	no	0	1	good	no	yes		no
218	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
219	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	9	15	4	yes	1	9	good	no	yes		no
220	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
221	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
222	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	9	1	no	0	2	good	no	yes		no
223	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	15	6	no	0	15	good	no	yes		no
224	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	10	6	no	0	2	good	no	yes		no
225	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
226	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
227	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
228	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	3	4	1	no	0	1	good	no	yes		no
229	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	4	1	no	0	1	good	no	yes		no
230	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	11	14	4	yes	7	13	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
231	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	6	3	no	0	3	good	no	yes		no
232	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	12	20	9	yes	2	27	good	no	yes		no
233	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	2	2	1	no	0	1	good	no	yes		no
234	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	2	2	1	no	0	1	good	no	yes		no
235	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	2	2	1	no	0	2	good	no	yes		no
236	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	3	4	1	no	0	1	good	no	yes		no
237	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	6	1	no	0	1	good	no	yes		no
238	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	12	25	10	yes	6	45	good	no	yes		no
239	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	15	13	no	0	22	good	no	yes		no
240	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	2	1	yes	0	2	good	no	yes		no
241	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	9	1	no	0	1	good	no	yes		no
242	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	15	25	10	yes	7	70	good	no	yes		no
243	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	9	10	6	no	0	3	good	no	yes		no
244	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	4	3	1	no	0	1	good	no	yes		no
245	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	8	1	no	0	2	good	no	yes		no
246	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	6	1	no	0	1	good	no	yes		no
247	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	4	3	1	no	0	2	good	no	yes		no
248	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	14	12	yes	1	70	fair	no	yes		lean
249	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
250	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
252	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	8	3	no	0	3	good	no	yes		slight lean
253	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
254	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	8	3	no	0	2	good	no	yes		slight lean
255	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	4	1	no	0	1	good	no	yes		slight lean
256	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	11	17	10	no	0	39	good	no	yes		lean
257	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
258	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
259	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
260	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	13	10	no	0	32	fair	no	yes		lean
261	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	5	3	no	0	3	good	no	yes		no
262	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	4	1	no	0	1	good	no	yes		slight lean
263	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	5	1	no	0	1	good	no	yes		no
264	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	9	7	2	no	0	3	good	no	yes		no
265	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	6	2	no	0	1	good	no	yes		no
266	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	6	2	no	0	1	good	no	yes		no
267	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	12	12	6	no	0	13	good	no	yes		no
268	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	10	13	6	yes	1	24	good	no	yes		slight lean
269	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	8	2	no	0	1	good	no	yes		no
270	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	3	1	no	0	1	good	no	yes		no
271	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	13	13	7	yes	1	24	excellent	yes	yes		no
272	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
273	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	6	2	no	0	1	good	no	yes		no
274	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	10	5	yes	1	11	poor	no	yes		slight lean
275	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	8	2	yes	1	5	good	no	yes		no
276	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	13	5	yes	1	20	good	no	yes		slight lean
277	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
278	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	1	no	0	1	good	no	yes		no
279	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	9	13	n/a	no	0	10	dead; moderately aged	n/a	yes		n/a
280	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	6	1	yes	0	1	fair	no	yes		extreme lean
281	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	9	15	1	no	0	9	fair	no	yes		extreme lean
282	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	14	2	no	0	2	fair	no	yes		no
283	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	4	5	1	no	0	1	good	yes	yes		no
284	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	10	15	n/a	no	0	13	dead; moderately aged	n/a	yes		n/a
285	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	5	2	no	0	1	good	no	yes		no
286	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	7	2	no	0	1	good	no	yes		no
287	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	7	2	yes	1	1	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
288	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
289	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
290	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	3	2	1	no	0	1	dead; standing	n/a	yes		no
291	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	9	17	n/a	no	0	11	dead; moderately aged	n/a	yes		n/a
292	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	7	14	3	yes	2	2	good	yes	yes		slight lean
293	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	9	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
294	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	2	1	6	no	0	1	good	yes	yes		no
295	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	5	3	2	no	0	2	good	yes	yes		no
296	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	5	6	2	no	0	1	good	yes	yes		no
297	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	14	16	yes	2	35	fair	no	yes		extreme lean
298	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	9	3	yes	1	3	good	no	yes		slight lean
299	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		no
300	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
301	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	1	1	1	yes	0	1	good	yes	yes		no
302	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	15	8	yes	4	21	good	yes	yes		no
303	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	6	6	1	yes	0	1	good	yes	yes		no
304	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	11	5	yes	3	18	good	yes	yes		slight lean
305	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	11	5	yes	3	10	good	yes	yes		slight lean
306	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	9	5	no	0	1	good	yes	yes		no
307	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	14	8	yes	6	28	good	yes	yes		no
308	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	9	6	no	0	14	fair	no	yes		lean
309	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	9	3	no	0	8	fair	no	yes		no
310	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
311	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	3	2	1	no	0	1	good	yes	yes		no
312	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	7	1	yes	0	1	good	no	yes		slight lean
313	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
314	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	11	3	no	0	7	good	no	yes		slight lean
315	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	9	10	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
316	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	9	3	yes	3	7	good	yes	yes		slight lean
317	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
318	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	3	2	2	no	0	1	good	yes	yes		no
319	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	11	3	no	0	10	good	yes	yes		no
320	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
321	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
322	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
323	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	14	7	yes	2	22	fair	no	yes		lean
324	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	11	4	no	0	10	good	no	yes		no
325	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	5	2	no	0	1	good	no	yes		no
326	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	7	2	no	0	2	good	no	yes		no
327	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	9	12	4	yes	1	14	good	no	yes		no
328	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	9	8	2	yes	1	1	good	no	yes		lean
329	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	6	2	yes	1	1	good	no	yes		no
330	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	9	18	12	yes	3	45	good	no	yes		lean
331	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	7	6	2	no	0	1	good	yes	yes		no
332	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
333	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	3	2	2	no	0	1	good	no	yes		no
334	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	2	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
335	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	13	14	8	yes	6	23	good	no	yes		no
336	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
337	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
338	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
339	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	7	5	3	no	0	3	good	yes	yes		no
340	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
341	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	9	11	4	yes	3	11	good	yes	yes		no
342	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	16	8	yes	7	31	fair	no	yes		no
343	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	8	8	yes	4	16	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
344	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	6	5	8	no	0	1	good	yes	yes		no
345	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	10	5	yes	5	15	good	yes	yes		slight lean
346	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	8	2	no	0	2	good	yes	yes		slight lean
347	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	9	2	no	0	5	fair	no	yes		slight lean
348	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	6	6	2	no	0	1	good	yes	yes		slight lean
349	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	14	8	yes	4	25	fair	no	yes		lean
350	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	16	8	yes	8	26	good	no	yes		no
351	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	13	8	yes	5	25	good	yes	yes		no
352	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	3	2	1	yes	0	1	good	yes	yes		no
353	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	15	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
354	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	7	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
355	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	9	12	4	yes	1	9	good	yes	yes		no
356	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	2	1	no	0	1	good	no	yes		slight lean
357	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	5	1	no	0	1	good	no	yes		lean
358	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	3	1	no	0	1	good	no	yes		no
359	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	10	n/a	no	0	8	dead; moderately aged	n/a	yes		n/a
360	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	6	1	no	0	1	good	no	yes		lean
361	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	5	1	no	0	1	good	no	yes		slight lean
362	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	12	14	9	yes	11	42	good	yes	yes		slight lean
363	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	14	7	yes	3	22	good	yes	yes		slight lean
364	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	10	4	no	0	8	good	yes	yes		no
365	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	13	n/a	no	0	11	dead; moderately aged	n/a	yes		n/a
366	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	14	6	yes	8	23	good	no	yes		lean
367	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	8	4	yes	2	5	good	yes	yes		slight lean
368	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	13	6	no	0	30	good	yes	yes		slight lean
369	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	7	3	yes	1	7	good	yes	yes		slight lean
370	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	7	5	yes	1	14	good	yes	yes		slight lean
371	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	8	3	yes	1	7	good	yes	yes		no
372	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	10	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
373	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	6	7	2	yes	0	1	good	yes	yes		no
374	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	13	8	no	0	30	good	yes	yes		slight lean
375	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	7	6	2	no	0	1	good	yes	yes		no
376	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	3	2	1	no	0	1	good	yes	yes		no
377	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	8	3	no	0	4	dead; standing	n/a	yes		no
378	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	7	2	no	0	4	dead; freshly fallen	n/a	yes		n/a
379	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	13	8	yes	4	17	good	no	yes		slight lean
380	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	13	8	yes	1	21	good	no	yes		slight lean
381	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
382	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	8	3	yes	1	4	good	yes	yes		slight lean
383	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	13	10	yes	2	33	good	no	yes		crown leanin
384	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	4	3	2	no	0	1	good	yes	yes		no
385	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	14	5	no	0	17	good	no	yes		slight lean
386	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	7	6	2	no	0	1	good	no	yes		no
387	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	14	n/a	no	0	6	dead; moderately aged	n/a	yes		n/a
388	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	3	2	1	no	0	1	good	yes	yes		no
389	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	3	2	1	no	0	1	good	yes	yes		no
390	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	8	2	no	0	2	good	no	yes		no
391	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
392	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	2	1	1	no	0	1	good	yes	yes		no
393	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	13	4	yes	2	18	good	no	yes		slight lean
394	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	3	2	no	0	2	good	no	yes		no
395	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	2	1	no	0	1	good	no	yes		no
396	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	7	7	2	no	0	1	good	no	yes		no
397	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	12	5	no	0	11	good	yes	yes		slight lean
398	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	14	6	yes	1	27	good	no	yes		lean
399	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	10	4	yes	1	12	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
400	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	2	2	1	yes	0	1	fair	no	yes		no
401	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	7	7	1	yes	1	1	good	yes	yes		slight lean
402	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	4	1	no	0	1	good	no	yes		no
403	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	2	2	1	no	0	1	good	no	yes		no
404	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	8	3	no	0	1	fair	no	yes		no
405	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	10	n/a	no	0	8	dead; moderately aged	n/a	yes		n/a
406	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	15	7	yes	0	22	fair	no	yes		no
407	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	4	3	1	no	0	1	good	yes	yes		no
408	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	14	8	yes	1	24	good	yes	yes		no
409	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
410	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
411	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
412	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
413	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
414	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	7	12	3	yes	1	7	good	no	yes		no
415	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	3	2	1	no	0	2	good	no	yes		slight lean
416	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	3	1	no	0	2	good	no	yes		slight lean
417	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
418	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
419	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
420	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	7	9	2	yes	1	2	fair	no	yes		no
421	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
422	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	9	12	n/a	no	0	10	dead; moderately aged	n/a	yes		n/a
423	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	5	2	no	0	1	good	no	yes		no
424	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	10	2	no	0	8	good	no	yes		no
425	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	3	3	2	no	0	1	good	no	yes		slight lean
426	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	8	3	no	0	3	good	no	yes		no
427	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
428	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	1	1	1	no	0	1	good	no	yes		no
429	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	7	2	yes	1	7	poor	no	yes		no
430	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
431	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
432	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	2	1	1	no	0	1	good	no	yes		no
433	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
434	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	4	3	no	0	3	good	no	yes		no
435	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	10	3	yes	1	4	good	no	yes		lean
436	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
437	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	3	2	2	no	0	1	good	yes	yes		no
438	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	9	5	no	0	2	good	no	yes		extreme lean
439	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	7	1	no	0	1	dead; standing	n/a	yes		no
440	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
441	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
442	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
443	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
444	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	13	1	yes	1	1	good	no	yes		slight lean
445	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
446	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	6	5	2	no	0	1	good	yes	yes		slight lean
447	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	10	4	no	0	9	good	yes	yes		no
448	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	13	8	yes	3	13	good	no	yes		lean
449	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	10	20	9	yes	1	16	good	no	yes		lean
450	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	7	6	2	no	1	1	good	no	yes		no
451	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	7	8	2	yes	1	1	good	no	yes		no
452	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	8	2	yes	1	2	good	no	yes		no
454	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	12	17	6	yes	3	29	fair	no	yes		no
455	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	7	6	2	yes	1	1	good	no	yes		no
456	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	4	2	yes	1	1	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
457	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	7	5	2	no	0	1	good	no	yes		no
458	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	10	13	4	yes	2	10	good	no	yes		slight lean
459	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	6	2	no	0	1	good	yes	yes		no
460	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	17	11	yes	10	45	excellent	no	yes		slight lean
461	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	13	6	yes	6	16	good	yes	yes		no
462	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	12	14	7	yes	10	35	good	no	yes		lean
463	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	12	5	yes	1	3	good	no	yes		extreme lean
464	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	5	1	no	1	1	good	no	yes		slight lean
465	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	8	1	no	1	1	good	no	yes		extreme lean
466	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	7	1	no	1	1	fair	no	yes		lean
467	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	7	1	yes	1	1	fair	no	yes		slight lean
468	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
469	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
470	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	11	15	10	yes	6	31	good	no	yes		lean
471	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	15	7	yes	5	50	good	no	yes		slight lean
472	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	3	2	1	no	0	1	good	yes	yes		no
473	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	3	3	1	no	0	1	good	yes	yes		no
474	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
475	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	6	3	no	0	3	good	yes	yes		slight lean
476	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	12	7	yes	6	18	good	yes	yes		slight lean
477	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	16	9	yes	7	55	excellent	no	yes		no
478	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	11	3	no	0	3	good	no	yes		no
479	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	12	8	yes	3	23	good	no	yes		lean
480	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	4	4	no	0	1	good	no	yes		slight lean
481	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	9	5	no	1	6	good	no	yes		lean
482	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	3	2	no	0	3	good	no	yes		no
483	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	1	1	1	no	0	1	poor	no	yes		no
484	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	1	1	1	no	0	1	good	no	yes		no
485	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	11	3	yes	3	15	good	yes	yes		no
486	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
487	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	11	4	no	0	10	good	no	yes		no
488	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	11	4	no	0	7	good	no	yes		no
489	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	12	4	no	0	7	good	no	yes		slight lean
490	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	6	2	no	0	1	good	no	yes		slight lean
491	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	11	4	yes	2	6	good	no	yes		slight lean
492	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
493	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	9	6	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
494	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	3	2	1	no	0	2	good	yes	yes		no
495	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	14	14	yes	4	16	excellent	yes	yes		no
496	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	15	14	yes	7	28	excellent	yes	yes		slight lean
497	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	5	1	no	0	1	good	yes	yes		no
498	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	15	8	yes	4	24	excellent	yes	yes		slight lean
499	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	5	5	1	no	0	1	good	yes	yes		no
500	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	11	1	yes	2	8	good	yes	yes		slight lean
502	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	3	2	no	0	1	good	no	yes		no
503	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	2	1	no	0	1	good	no	yes		no
504	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	3	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
505	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
506	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	12	12	15	yes	11	26	fair	no	yes		no
507	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	6	10	6	no	0	2	good	no	yes		no
508	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	6	8	5	yes	1	2	good	no	yes		no
509	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	5	9	2	no	0	1	good	no	yes		no
510	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	4	1	no	0	1	good	no	yes		no
511	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	8	12	5	yes	2	9	good	no	yes		no
512	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	3	1	no	0	1	good	yes	yes		no
513	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	3	7	2	no	0	1	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
514	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	6	8	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
515	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	0	3	1	no	0	1	good	yes	yes		no
516	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	7	10	6	yes	4	11	good	yes	yes		no
517	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	0	2	1	no	0	1	good	no	yes		no
518	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	0	4	n/a	no	0	2	dead; moderately aged	n/a	yes		n/a
519	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	3	1	no	0	1	good	yes	yes		no
520	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	6	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
521	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	5	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
522	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	8	12	n/a	yes	2	n/a	dead; severely aged	n/a	yes		n/a
523	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	0	2	1	no	0	1	fair	no	yes		no
524	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	4	1	no	0	1	good	yes	yes		no
525	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	7	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
526	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	9	10	n/a	yes	2	n/a	dead; severely aged	n/a	yes		n/a
527	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	6	7	3	yes	2	2	good	no	yes		no
528	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
529	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	3	5	2	no	0	1	good	yes	yes		no
530	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	9	12	n/a	yes	4	n/a	dead; severely aged	n/a	yes		n/a
531	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	10	10	8	yes	4	10	fair	no	yes		no
532	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	8	12	8	yes	6	9	good	no	yes		no
533	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	3	2	yes	0	1	good	yes	yes		no
534	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	1	1	no	0	1	dead; standing	n/a	yes		no
535	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	7	10	3	yes	1	4	good	no	yes		no
536	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	6	6	2	no	0	1	good	no	yes		no
537	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	7	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
538	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	0	3	2	yes	0	1	good	no	yes		no
539	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	8	10	5	yes	1	4	good	yes	yes		no
540	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	2	2	no	0	1	good	yes	yes		no
541	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	4	5	2	no	0	1	good	no	yes		no
542	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	5	7	2	no	0	1	good	no	yes		no
543	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	1	1	no	0	1	good	no	yes		no
544	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	3	6	2	no	0	1	good	no	yes		no
545	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	0	4	2	no	0	1	good	yes	yes		no
546	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	6	8	2	no	0	1	good	no	yes		no
547	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	4	6	2	no	0	1	good	no	yes		no
548	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	8	12	6	yes	1	6	good	yes	yes		no
549	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	7	9	4	yes	3	3	good	no	yes		no
550	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	10	14	10	yes	10	21	good	no	yes		no
551	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	6	8	13	yes	1	3	good	no	yes		no
552	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	7	8	3	no	0	5	good	no	yes		no
553	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	3	2	no	0	1	good	yes	yes		no
554	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	1	1	no	0	1	good	yes	yes		no
555	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	0	4	2	no	0	1	good	yes	yes		no
556	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	10	14	10	yes	7	10	good	yes	yes		no
557	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	0	4	1	no	0	1	good	yes	yes		no
558	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	3	1	no	0	1	good	yes	yes		no
559	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	8	9	4	yes	1	3	good	yes	yes		no
560	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	8	12	3	yes	2	4	good	yes	yes		no
561	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	9	11	5	yes	6	9	good	yes	yes		no
562	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	2	1	no	0	1	good	yes	yes		no
563	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	12	12	10	yes	6	15	good	no	yes		no
564	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	8	10	5	yes	4	6	good	no	yes		no
565	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	3	5	1	no	0	1	good	no	yes		no
566	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	2	1	no	0	1	good	yes	yes		no
567	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	3	1	no	0	1	good	yes	yes		no
568	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	7	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
569	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	5	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
570	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	12	13	12	yes	9	15	good	no	yes		no
571	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	7	12	n/a	yes	2	n/a	dead; severely aged	n/a	yes		n/a
572	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	3	1	no	0	1	good	yes	yes		no
573	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	6	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
574	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	5	8	2	yes	1	1	good	no	yes		no
575	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	3	1	no	0	1	good	yes	yes		no
576	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	0	3	2	no	0	1	good	yes	yes		no
577	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	10	14	10	yes	10	14	good	yes	yes		no
578	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	2	1	no	0	1	good	no	yes		no
579	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	3	1	no	0	1	good	no	yes		no
580	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	3	1	no	0	1	good	no	yes		no
581	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	0	3	1	no	0	1	good	no	yes		no
582	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	3	1	no	0	1	good	no	yes		no
583	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	5	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
584	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	10	12	10	yes	6	12	dead; freshly fallen	n/a	yes		n/a
585	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	5	8	2	no	0	3	good	yes	yes		no
586	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	17	15	20	yes	35	60	fair	no	yes		no
587	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	4	6	2	no	0	1	good	no	yes		no
588	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	2	1	no	0	2	good	no	yes		no
589	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	5	5	2	no	0	1	good	no	yes		no
590	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	3	1	no	0	1	good	no	yes		no
591	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	2	1	no	0	1	good	no	yes		no
592	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	3	6	1	no	0	1	good	no	yes		no
593	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	11	12	12	yes	24	35	fair	no	yes		no
594	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	4	6	2	yes	1	1	good	yes	yes		no
595	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	no	8	10	7	yes	5	11	good	yes	yes		no
596	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	yes	0	4	1	no	0	1	dead; freshly fallen	n/a	yes		n/a
597	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	12	13	12	yes	33	50	good	no	yes		no
598	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	no	no	9	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
599	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	5	8	1	yes	1	1	good	no	yes		no
600	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	9	13	7	yes	3	12	dead; freshly fallen	n/a	yes		n/a
601	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	6	8	3	yes	1	2	fair	no	yes		no
602	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	0	4	1	no	0	1	good	no	yes		no
603	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/21/2022	yes	yes	0	4	1	no	0	1	good	no	yes		no
604	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	8	4	yes	3	3	good	no	yes		no
605	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	7	2	no	0	1	good	no	yes		no
606	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	25	15	20	yes	28	66	fair	no	yes		no
607	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	9	2	yes	1	1	good	no	yes		no
608	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	9	2	yes	1	1	good	no	yes		no
609	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	9	2	no	0	1	good	no	yes		no
610	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	2	5	2	no	0	1	good	no	yes		no
611	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
612	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	10	3	no	0	3	good	no	yes		no
613	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	10	4	yes	2	3	good	no	yes		no
614	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	10	3	yes	2	3	good	no	yes		no
615	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	6	2	no	0	1	good	no	yes		no
616	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	2	yes	1	1	good	no	yes		no
617	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	2	6	2	no	0	1	good	no	yes		no
618	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
619	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	3	6	2	no	0	1	good	yes	yes		no
620	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
621	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	7	2	no	0	1	good	no	yes		no
622	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	4	1	no	0	1	good	no	yes		no
623	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	2	no	0	1	good	no	yes		no
624	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	7	2	no	0	1	good	no	yes		no
625	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	10	3	no	0	3	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
626	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	7	2	no	0	1	good	no	yes		no
627	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	9	12	5	yes	3	5	good	no	yes		no
628	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
629	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	9	10	6	yes	2	7	good	no	yes		no
630	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	10	12	yes	3	6	good	no	yes		no
631	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	18	20	15	yes	17	40	good	no	yes		no
632	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	13	12	yes	9	14	good	no	yes		no
633	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	2	1	no	0	1	fair	no	yes		no
634	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	3	1	no	0	1	fair	no	yes		no
635	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	12	15	yes	17	36	fair	no	yes		no
636	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	4	no	0	3	good	no	yes		no
637	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	6	4	yes	1	2	good	no	yes		no
638	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	4	5	6	yes	2	3	good	no	yes		no
639	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	5	6	yes	1	1	good	no	yes		no
640	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	2	5	2	no	0	1	good	no	yes		no
641	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	7	8	5	yes	3	5	good	no	yes		no
642	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	1	1	no	0	1	good	no	yes		no
643	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	13	15	10	yes	6	18	fair	no	yes		no
644	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	7	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
645	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	12	12	14	yes	33	54	fair	no	yes		no
646	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	10	6	yes	6	5	good	no	yes		no
647	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	10	5	yes	8	8	good	no	yes		no
648	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	8	6	yes	4	7	good	no	yes		no
649	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	3	2	no	0	1	good	no	yes		no
650	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	4	2	no	0	1	good	no	yes		no
651	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	3	2	no	0	1	good	no	yes		no
652	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	3	2	no	0	1	good	no	yes		no
653	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	4	2	no	0	1	good	no	yes		no
654	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	10	14	8	yes	9	23	fair	no	yes		no
655	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	0	4	2	no	0	1	good	yes	yes		no
656	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	3	2	no	0	1	good	no	yes		no
657	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	3	1	no	0	1	good	no	yes		no
658	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	2	1	no	0	1	good	no	yes		no
659	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
660	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	2	yes	1	2	good	no	yes		no
661	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	2	1	no	0	1	good	no	yes		no
662	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	10	8	yes	4	11	fair	no	yes		no
663	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	15	15	12	yes	26	45	fair	no	yes		no
664	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	4	yes	1	3	good	no	yes		no
665	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	11	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
666	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	4	2	no	0	1	good	no	yes		no
667	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	10	4	no	0	6	good	no	yes		no
668	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	12	15	no	0	8	fair	no	yes		no
669	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	4	6	4	no	0	1	good	no	yes		no
670	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	10	5	no	0	3	good	no	yes		no
671	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	40	4	2	no	0	1	good	no	yes		no
672	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	7	2	no	0	1	good	no	yes		no
673	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	11	5	yes	2	7	good	no	yes		no
674	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	9	3	no	0	2	good	no	yes		no
675	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	0	3	2	no	0	1	good	yes	yes		no
676	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	7	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
677	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	9	4	no	0	4	good	no	yes		no
678	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	9	3	no	0	3	good	no	yes		no
679	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	2	1	no	0	1	good	no	yes		no
680	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	11	14	n/a	no	0	8	dead; moderately aged	n/a	yes		n/a
681	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	0	4	2	no	0	1	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
682	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	10	12	n/a	no	0	16	dead; moderately aged	n/a	yes		n/a
683	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	8	10	3	no	0	4	good	yes	yes		no
684	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	3	2	yes	0	1	good	no	yes		no
685	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	13	16	12	yes	2	24	good	no	yes		no
686	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	1	1	no	0	1	good	no	yes		no
687	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	1	1	no	0	1	good	no	yes		no
688	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	3	6	2	no	0	1	good	yes	yes		no
689	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	1	1	no	0	1	good	no	yes		no
690	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	4	2	no	0	1	good	no	yes		no
691	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	4	2	no	0	1	good	no	yes		no
692	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	11	8	no	0	5	good	no	yes		no
693	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	4	2	no	0	1	good	no	yes		no
694	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	2	5	2	no	0	1	good	no	yes		no
695	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	2	1	no	0	1	good	no	yes		no
696	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	9	3	no	0	3	good	no	yes		no
697	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	4	2	no	0	1	good	no	yes		no
698	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	2	5	2	no	0	1	good	no	yes		no
699	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	3	1	no	0	1	good	no	yes		no
700	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	8	10	4	no	0	4	good	yes	yes		no
701	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	8	9	3	yes	1	1	good	yes	yes		no
702	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	11	12	12	yes	3	38	good	no	yes		no
703	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	9	11	8	yes	1	13	good	no	yes		no
704	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	10	6	yes	2	7	good	no	yes		no
705	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	10	6	yes	4	7	good	no	yes		no
706	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	4	2	yes	0	1	good	no	yes		no
707	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	2	1	no	0	1	fair	no	yes		no
708	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	2	2	no	0	1	good	no	yes		no
709	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	4	6	3	no	0	1	good	no	yes		no
710	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	10	13	8	no	0	23	good	no	yes		no
711	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	7	9	4	no	0	6	good	yes	yes		no
712	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	5	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
713	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	2	yes	1	2	good	no	yes		no
714	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
715	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	3	6	2	no	0	1	good	no	yes		no
716	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	8	4	no	0	6	good	no	yes		no
717	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	4	1	no	0	1	good	no	yes		no
718	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	2	5	2	no	0	1	good	yes	yes		no
719	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	4	yes	1	1	good	no	yes		no
720	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	1	1	no	0	1	dead; standing	n/a	yes		no
721	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	9	11	6	yes	1	7	good	no	yes		no
722	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	4	3	yes	0	1	good	no	yes		no
723	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	8	6	no	0	2	good	no	yes		no
724	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	6	2	no	0	1	good	no	yes		no
725	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	7	10	8	yes	1	3	dead; freshly fallen	n/a	yes		n/a
726	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	3	1	no	0	1	good	no	yes		no
727	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	10	4	no	0	4	good	no	yes		no
728	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	14	6	yes	1	16	good	no	yes		no
729	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	8	2	no	0	1	good	no	yes		no
730	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	10	3	no	0	3	good	no	yes		no
731	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	4	6	2	yes	0	1	good	no	yes		no
732	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	8	3	no	0	1	good	no	yes		no
733	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	13	6	no	0	10	good	no	yes		no
734	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	4	2	no	0	1	good	no	yes		no
735	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	6	8	2	no	0	2	good	no	yes		no
736	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
737	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	9	14	12	no	0	22	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
738	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	7	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
739	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
740	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	4	6	2	no	0	1	good	no	yes		no
741	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	9	3	no	0	3	good	no	yes		no
742	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	3	2	no	0	1	good	no	yes		no
743	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	4	2	no	0	1	good	no	yes		no
744	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	11	3	no	0	3	good	no	yes		no
745	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	2	1	no	0	1	good	no	yes		no
746	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
747	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	6	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
748	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	2	1	no	0	1	fair	no	yes		no
749	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	9	2	no	0	1	good	no	yes		no
750	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	4	2	no	0	1	good	no	yes		no
751	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	4	2	no	0	1	good	no	yes		no
752	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	4	2	no	0	1	good	no	yes		no
753	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	5	8	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
754	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	8	2	no	0	1	good	no	yes		no
755	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	6	8	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
756	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	5	7	2	no	0	1	good	yes	yes		no
757	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	7	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
758	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	6	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
759	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	3	2	yes	0	1	good	no	yes		no
760	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	7	9	2	no	0	1	good	no	yes		no
761	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	2	5	3	no	0	1	good	no	yes		no
762	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	0	4	2	no	0	1	good	no	yes		no
763	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	5	7	3	no	0	1	good	no	yes		no
764	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	yes	4	7	2	no	0	1	good	no	yes		no
765	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	6	8	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
766	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	no	6	10	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
767	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	yes	no	0	3	2	no	0	1	good	yes	yes		no
768	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	9	10	6	no	0	2	good	no	yes		slight lean
769	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
770	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	6	10	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
771	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	4	3	2	no	0	1	good	no	yes		no
772	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	12	6	no	0	8	good	no	yes		slight lean
773	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	5	4	no	0	2	good	no	yes		no
774	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	4	2	yes	0	1	good	no	yes		slight lean
775	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
776	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
777	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	10	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
778	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	6	4	4	no	0	2	dead; standing	n/a	yes		lean
779	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	11	3	no	0	3	good	no	yes		slight lean
780	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	8	7	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
781	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
782	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
783	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	8	2	yes	0	1	good	no	yes		slight lean
784	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	5	2	no	0	1	good	no	yes		no
785	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	10	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
786	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	8	8	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
787	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	5	2	no	0	1	good	no	yes		slight lean
788	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	6	2	no	0	1	good	no	yes		no
789	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	10	3	no	0	3	good	no	yes		slight lean
790	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
791	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	10	3	no	0	1	good	no	yes		lean
792	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	8	10	no	0	4	good	no	yes		lean
793	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	5	5	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
794	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	6	8	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
795	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	7	2	no	0	1	good	yes	yes		no
796	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	8	2	yes	0	1	good	no	yes		no
797	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	6	2	no	0	1	good	no	yes		no
798	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	3	1	1	no	0	1	good	no	yes		no
799	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	8	2	no	0	1	good	no	yes		no
800	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	8	2	no	0	1	good	no	yes		no
801	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
802	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
803	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	9	2	no	0	1	good	no	yes		no
804	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	7	2	no	0	1	good	no	yes		no
805	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	13	11	4	no	0	5	fair	no	yes		lean
806	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	7	3	no	0	1	good	no	yes		lean
807	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	8	2	no	0	1	good	no	yes		slight lean
808	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
809	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
810	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
811	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	3	3	3	no	0	1	good	no	yes		extreme lean
813	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	9	4	no	0	2	good	no	yes		no
814	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	12	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
815	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
816	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
817	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
818	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
819	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	6	2	no	0	1	good	no	yes		no
820	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
821	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	5	6	n/a	no	0	2	dead; moderately aged	n/a	yes		n/a
822	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	4	2	1	no	0	1	good	yes	yes		no
823	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
824	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	6	5	no	0	4	good	no	yes		no
825	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	2	no	0	1	good	no	yes		lean
826	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	11	4	no	0	2	fair	no	yes		lean
827	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	4	4	2	no	0	1	good	no	yes		lean
828	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	5	4	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
829	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	9	13	6	no	0	8	good	no	yes		slight lean
830	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
831	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	4	2	no	0	1	good	no	yes		no
832	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
833	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	13	6	no	0	7	good	no	yes		lean
834	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	8	2	no	0	1	good	no	yes		slight lean
835	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	8	10	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
836	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	11	5	yes	2	10	good	yes	yes		slight lean
837	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	3	3	2	no	0	1	good	no	yes		slight lean
838	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	10	13	10	no	0	13	fair	no	yes		lean
839	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	8	2	no	0	1	good	no	yes		slight lean
840	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	6	2	no	0	4	good	no	yes		no
841	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	4	3	no	0	2	good	no	yes		no
842	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	10	8	no	0	12	good	yes	yes		slight lean
843	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	7	10	4	yes	0	5	good	yes	yes		slight lean
844	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	6	9	3	yes	1	3	good	yes	yes		slight lean
845	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	8	8	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
846	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	7	6	3	no	0	1	good	yes	yes		no
847	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
848	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	3	1	1	no	0	1	good	no	yes		no
849	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	6	3	no	0	1	good	no	yes		no
850	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	4	4	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
851	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	4	4	no	0	2	good	no	yes		slight lean
852	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	9	3	yes	1	3	good	yes	yes		no
853	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	5	2	1	no	0	1	good	no	yes		no
854	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	3	1	1	no	0	1	good	no	yes		no
855	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
856	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	13	14	13	yes	8	36	fair	no	yes	cavity in trunk	no
857	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	6	8	2	no	0	1	good	yes	yes		slight lean
858	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	11	12	10	yes	9	35	good	yes	yes		no
859	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	11	6	yes	3	8	good	yes	yes		slight lean
860	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	20	23	18	yes	1	75	poor	no	yes		no
861	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	10	14	9	yes	1	11	good	no	yes		no
862	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	9	2	no	0	1	good	no	yes		no
863	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	12	15	8	yes	2	13	good	yes	yes		slight lean
864	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
865	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	6	3	2	no	0	1	good	yes	yes		no
866	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/24/2022	no	no	4	4	2	no	0	1	good	yes	yes		no
867	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	11	5	yes	1	6	good	no	yes		no
868	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	9	2	no	0	1	good	no	yes		slight lean
869	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	10	4	no	0	3	good	yes	yes		slight lean
870	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	13	5	yes	1	6	good	no	yes		slight lean
871	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	12	3	no	0	3	good	no	yes		slight lean
872	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	10	3	no	0	3	good	no	yes		slight lean
873	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	10	3	yes	1	1	good	no	yes		lean
874	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	20	17	14	yes	2	36	poor	no	yes		lean
875	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	16	15	15	yes	5	33	fair	no	yes		slight lean
876	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	10	12	n/a	no	0	14	dead; moderately aged	n/a	yes		n/a
877	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	7	6	3	no	0	3	good	yes	yes		slight lean
878	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	5	6	2	no	0	1	good	yes	yes		no
879	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	11	5	yes	1	6	good	no	yes		no
880	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	13	6	no	0	5	good	no	yes		slight lean
881	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	10	6	no	0	5	good	no	yes		lean
882	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	6	6	2	yes	0	1	good	yes	yes		slight lean
883	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	8	10	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
884	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	10	6	yes	1	20	good	no	yes		lean
885	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	11	4	yes	1	6	good	no	yes		slight lean
886	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	10	4	yes	1	3	good	no	yes		lean
887	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	7	10	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
888	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	12	5	yes	2	3	good	yes	yes		slight lean
889	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	13	7	yes	1	10	good	yes	yes		slight lean
890	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	11	15	n/a	no	0	8	dead; moderately aged	n/a	yes		n/a
891	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
892	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	7	4	6	no	0	4	good	yes	yes		slight lean
893	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	6	11	4	yes	0	5	good	yes	yes		no
894	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	6	11	8	no	0	7	fair	no	yes		lean
895	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	11	4	no	0	6	good	yes	yes		slight lean
896	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	10	10	n/a	no	0	9	dead; moderately aged	n/a	yes		n/a
897	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	12	11	10	yes	3	25	good	yes	yes		no
898	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	6	7	3	no	0	2	good	yes	yes		no
899	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	5	3	2	no	0	1	good	yes	yes		slight lean
900	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	13	8	no	0	19	fair	no	yes		slight lean
901	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	10	5	no	0	7	good	no	yes		no
902	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	7	3	no	0	1	good	no	yes		slight lean
903	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	3	3	no	0	1	good	no	yes		slight lean
904	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	3	3	no	0	1	good	no	yes		no
905	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	3	3	no	0	1	good	no	yes		slight lean
906	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	8	8	yes	3	13	fair	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
907	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	4	1	1	no	0	1	good	no	yes		no
908	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	7	10	yes	1	6	poor	no	yes		lean
909	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	5	7	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
910	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	5	7	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
911	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	3	1	no	0	1	good	no	yes		slight lean
912	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	5	4	no	0	2	good	no	yes		slight lean
913	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	4	1	1	no	0	1	good	no	yes		no
914	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	2	1	no	0	1	good	no	yes		slight lean
915	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	9	4	no	0	4	good	no	yes		lean
916	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	4	2	1	no	0	1	good	no	yes		lean
917	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	13	5	yes	1	4	good	yes	yes		no
918	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	13	8	yes	3	20	good	yes	yes		no
919	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	10	7	yes	2	17	good	yes	yes		no
920	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	7	3	2	no	0	1	good	yes	yes		no
921	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	2	1	no	0	1	good	no	yes		no
922	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	9	3	no	0	3	good	no	yes		no
923	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
924	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	10	3	no	0	3	good	no	yes		no
925	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	10	14	12	yes	1	25	good	no	yes		lean
926	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
927	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	12	8	no	0	6	fair	no	yes		no
928	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	4	2	no	0	1	good	no	yes		no
929	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	4	2	no	0	1	good	no	yes		no
930	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	2	1	no	0	1	good	no	yes		slight lean
931	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
932	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	11	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
933	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	12	10	yes	1	23	good	yes	yes		slight lean
934	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	6	5	2	no	0	1	good	yes	yes		slight lean
935	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	12	15	12	yes	7	44	fair	no	yes		no
936	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	13	15	18	yes	5	75	good	no	yes		slight lean
937	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	15	16	17	yes	16	69	good	no	yes		no
938	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	10	9	no	0	11	good	yes	yes		slight lean
939	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	14	20	20	yes	8	56	good	no	yes		no
940	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	8	3	no	0	1	good	no	yes		no
941	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	4	1	1	no	0	1	good	no	yes		no
942	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	13	6	yes	2	13	good	yes	yes		no
943	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	14	14	11	yes	6	46	good	yes	yes		slight lean
944	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	8	3	yes	1	3	good	yes	yes		no
945	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	8	3	no	5	4	good	no	yes		no
946	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	6	3	no	0	1	good	no	yes		slight lean
947	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	7	3	no	0	3	good	no	yes		slight lean
948	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	12	6	no	0	9	good	yes	yes		slight lean
949	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
950	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	10	3	no	0	3	good	yes	yes		slight lean
951	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	11	8	yes	2	15	good	no	yes		slight lean
952	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	12	4	yes	1	7	good	no	yes		no
953	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	10	10	yes	1	6	fair	no	yes		extreme lean
954	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	3	2	no	0	1	good	no	yes		slight lean
955	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	7	7	3	no	0	1	good	no	yes		lean
956	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	5	2	1	no	0	1	good	yes	yes		no
957	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	4	2	1	no	0	1	good	yes	yes		no
958	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	8	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
959	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	6	5	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
960	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	12	13	no	0	6	dead; freshly fallen	n/a	yes		n/a
961	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	7	3	yes	1	1	good	no	yes		slight lean
962	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	15	18	17	yes	6	71	fair	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
963	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	7	2	no	0	1	good	no	yes		slight lean
964	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	14	9	yes	1	23	good	yes	yes		slight lean
965	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	11	3	yes	1	3	good	yes	yes		slight lean
966	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
967	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	4	2	1	no	0	1	good	no	yes		no
968	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	11	14	10	no	0	25	good	no	yes		slight lean
969	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	7	5	no	0	4	good	no	yes		crown leaning
970	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
971	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	14	13	yes	5	32	fair	no	yes		lean
972	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	8	6	no	0	4	poor	no	yes		lean
973	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	14	12	yes	1	22	poor	no	yes		lean
974	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	12	5	no	0	5	fair	no	yes		no
975	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	5	4	2	yes	0	1	good	yes	yes		slight lean
976	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	3	1	1	no	0	1	good	no	yes		no
977	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	3	1	1	no	0	1	good	no	yes		no
978	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	11	5	no	0	7	good	no	yes		slight lean
979	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	2	3	no	0	2	good	no	yes		no
980	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	13	18	20	yes	8	68	good	no	yes		no
981	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	8	4	yes	3	4	good	yes	yes		slight lean
982	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	14	13	11	yes	10	28	good	yes	yes		no
983	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	8	8	n/a	no	0	34	dead; moderately aged	n/a	yes		n/a
984	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	10	6	yes	1	7	good	no	yes		lean
985	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	8	4	yes	1	2	good	no	yes		no
986	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	10	10	n/a	no	0	5	dead; moderately aged	n/a	yes		n/a
987	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	8	5	4	no	0	2	good	no	yes		slight lean
988	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	9	8	5	no	0	5	good	no	yes		slight lean
989	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	4	2	1	no	0	1	good	no	yes		no
990	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	13	12	yes	6	37	good	yes	yes		slight lean
991	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	12	5	yes	2	6	good	yes	yes		slight lean
992	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	9	4	no	0	4	good	yes	yes		no
993	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	10	7	yes	1	12	good	yes	yes		slight lean
994	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	13	10	yes	1	15	good	yes	yes		slight lean
995	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	12	13	10	yes	3	51	good	yes	yes		slight lean
996	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	11	13	15	yes	7	28	good	no	yes		lean
997	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	8	3	no	0	3	good	no	yes		no
998	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	6	3	no	0	1	good	yes	yes		no
999	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	3	2	no	0	1	good	yes	yes		no
1000	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	5	4	3	no	0	2	good	yes	yes		slight lean
1001	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	8	4	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
1002	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	4	2	no	0	1	good	no	yes		no
1003	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	2	1	no	0	1	good	no	yes		slight lean
1004	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	8	8	no	0	5	good	no	yes		extreme lean
1005	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	4	2	no	0	1	good	no	yes		slight lean
1006	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	8	12	n/a	no	0	5	dead; moderately aged	n/a	yes		n/a
1007	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	5	2	no	0	1	good	yes	yes		no
1008	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1009	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	3	2	no	0	1	good	yes	yes		no
1010	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	9	6	yes	2	5	good	yes	yes		no
1011	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	11	5	no	0	11	good	yes	yes		slight lean
1012	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	12	9	yes	5	26	fair	no	yes		lean
1013	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	8	3	no	0	1	good	no	yes		slight lean
1014	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	5	2	no	0	1	good	no	yes		slight lean
1015	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	9	2	yes	1	1	good	no	yes		slight lean
1016	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	5	2	2	no	0	1	good	no	yes		no
1017	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	11	8	4	yes	0	4	good	no	yes		slight lean
1018	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	13	13	n/a	no	0	14	dead; moderately aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1019	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	4	2	1	no	0	1	good	yes	yes		slight lean
1020	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	9	3	no	0	1	good	no	yes		no
1021	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	3	1	1	no	0	1	good	yes	yes		no
1022	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	3	3	no	0	2	good	no	yes		no
1023	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	2	2	no	0	1	good	yes	yes		slight lean
1024	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	11	4	no	0	5	good	no	yes		lean
1025	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	14	10	yes	0	10	fair	no	yes		lean
1026	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	4	2	no	0	1	good	no	yes		no
1027	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	3	2	no	0	1	good	yes	yes		slight lean
1028	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	2	1	no	0	1	good	yes	yes		slight lean
1029	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	8	3	no	0	1	good	no	yes		lean
1030	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	13	7	no	0	9	good	no	yes		slight lean
1031	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	13	7	no	0	6	good	no	yes		lean
1032	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	3	2	no	0	1	good	yes	yes		slight lean
1033	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
1034	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	12	14	10	yes	1	18	good	yes	yes		slight lean
1035	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	5	5	2	no	0	1	good	yes	yes		slight lean
1036	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	13	9	yes	3	9	good	yes	yes		slight lean
1037	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	9	10	no	0	6	fair	no	yes		extreme lean
1038	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1039	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	13	16	8	yes	1	17	poor	no	yes		no
1040	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	6	2	no	0	1	good	no	yes		no
1041	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	5	2	no	0	1	good	no	yes		lean
1042	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	2	2	no	0	1	good	no	yes		slight lean
1043	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
1044	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	2	2	no	0	1	good	no	yes		no
1045	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	4	3	no	0	1	good	no	yes		slight lean
1046	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	4	2	no	0	1	good	no	yes		slight lean
1047	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	5	3	no	0	1	good	no	yes		slight lean
1048	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	12	8	no	0	9	good	no	yes		slight lean
1049	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	2	1	no	0	1	good	yes	yes		slight lean
1050	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	8	8	yes	1	9	fair	no	yes		no
1051	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	14	11	no	0	42	dead; freshly fallen	n/a	yes		n/a
1052	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	7	3	no	0	1	good	yes	yes		no
1053	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	9	2	no	0	2	good	yes	yes		slight lean
1054	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	3	1	1	no	0	1	good	yes	yes		no
1055	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	4	2	1	no	0	1	good	yes	yes		slight lean
1056	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	8	2	no	0	3	good	yes	yes		no
1057	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	9	10	n/a	no	0	8	dead; moderately aged	n/a	yes		n/a
1058	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	2	1	no	0	1	good	no	yes		no
1059	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	8	8	2	no	0	3	dead; freshly fallen	n/a	yes		n/a
1060	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	4	2	no	0	1	good	no	yes		no
1061	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	12	15	10	yes	8	52	good	yes	yes		no
1062	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	14	8	no	0	9	poor	no	yes		slight lean
1063	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	7	2	no	0	1	good	yes	yes		slight lean
1064	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	10	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1065	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	13	13	12	yes	7	32	good	yes	yes		no
1066	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	13	12	yes	2	24	poor	no	yes		lean
1067	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
1068	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	12	12	yes	5	25	fair	no	yes		lean
1069	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	3	1	no	0	1	good	no	yes		slight lean
1070	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	3	1	no	0	1	good	no	yes		slight lean
1071	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	5	5	no	0	6	good	no	yes		slight lean
1072	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	7	6	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
1073	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	14	15	15	yes	7	41	fair	no	yes		extreme lean
1074	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	5	3	yes	0	1	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1075	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	11	8	no	0	5	good	no	yes		slight lean
1076	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	7	3	no	0	1	good	yes	yes		slight lean
1077	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1078	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	18	14	yes	12	66	good	no	yes		slight lean
1079	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	16	18	18	yes	10	69	good	no	yes		slight lean
1080	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	17	20	20	yes	11	76	good	no	yes		slight lean
1081	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	4	2	1	no	0	1	good	yes	yes		no
1082	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	4	2	1	no	0	1	good	yes	yes		no
1083	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	4	2	1	no	0	1	good	yes	yes		no
1084	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	4	2	1	no	0	1	good	yes	yes		no
1085	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	8	4	no	0	4	good	no	yes		slight lean
1086	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	15	13	20	yes	7	49	fair	no	yes		extreme lean
1087	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	9	3	yes	1	4	good	yes	yes		slight lean
1088	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	5	3	no	0	1	good	yes	yes		no
1089	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	14	18	15	yes	2	57	good	no	yes		slight lean
1090	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	4	3	3	no	0	2	good	yes	yes		no
1091	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
1092	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
1093	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	9	3	no	0	4	good	no	yes		slight lean
1094	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	10	4	yes	2	5	good	no	yes		lean
1095	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	13	16	yes	4	22	poor	no	yes		slight lean
1096	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	9	3	no	0	4	good	no	yes		slight lean
1097	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	13	10	yes	1	19	good	no	yes		slight lean
1098	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	7	8	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
1099	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	12	8	yes	3	9	good	yes	yes		slight lean
1100	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	8	4	yes	1	5	good	yes	yes		slight lean
1101	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/24/2022	no	yes	4	4	3	no	0	1	good	no	yes		no
1102	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/24/2022	no	yes	20	17	15	yes	4	50	good	no	yes		no
1103	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/24/2022	no	no	11	7	6	no	0	4	good	yes	yes		slight lean
1104	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/24/2022	no	no	13	9	7	yes	3	10	good	yes	yes		no
1105	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	5	5	2	no	0	1	good	no	yes		lean
1106	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	13	12	10	yes	4	45	good	no	yes		slight lean
1107	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	4	6	7	no	0	3	good	no	yes		no
1108	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	4	3	no	0	1	good	no	yes		no
1109	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	11	15	17	yes	6	45	fair	no	yes		extreme lean
1110	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	15	13	11	yes	3	32	good	no	yes		no
1111	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	10	11	9	yes	1	8	good	no	yes		no
1112	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	7	3	no	0	3	good	no	yes		no
1113	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	7	5	2	no	0	1	good	no	yes		no
1114	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	12	13	15	yes	7	40	good	no	yes		slight lean
1115	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	13	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1116	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	7	6	3	no	0	1	good	yes	yes		no
1117	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	11	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1118	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	8	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1119	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	7	6	3	yes	1	1	good	yes	yes		no
1120	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	8	5	3	no	0	1	fair	no	yes		slight lean
1121	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	12	17	16	yes	6	35	fair	no	yes		no
1122	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	12	13	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1123	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	10	10	6	no	0	6	good	no	yes		no
1124	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	9	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1125	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	4	3	3	no	0	1	good	yes	yes		no
1126	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	6	5	3	no	0	1	good	yes	yes		no
1127	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	12	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1128	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	5	3	3	no	0	1	good	yes	yes		slight lean
1129	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	12	16	18	yes	5	60	good	no	yes		no
1130	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	4	4	3	no	0	1	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1131	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	4	4	3	no	0	1	good	no	yes		no
1132	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	7	11	7	no	0	5	good	yes	yes		no
1133	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	7	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1134	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	9	7	4	yes	1	1	good	yes	yes		slight lean
1135	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	11	13	no	0	25	fair	no	yes		slight lean
1136	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	11	11	9	yes	1	22	good	yes	yes		no
1137	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	11	11	15	yes	1	12	good	yes	yes		no
1138	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	11	12	15	no	0	25	fair	no	yes		slight lean
1139	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	12	12	12	no	0	3	good	no	yes		slight lean
1140	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	4	2	2	no	0	1	good	yes	yes		no
1141	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	9	10	6	no	0	1	good	no	yes		slight lean
1142	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	8	3	no	0	1	good	yes	yes		no
1143	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	9	10	3	no	0	1	good	yes	yes		slight lean
1144	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	11	12	6	no	0	4	good	yes	yes		slight lean
1145	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	12	9	no	0	5	good	no	yes		slight lean
1146	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	11	14	18	yes	2	18	good	no	yes		slight lean
1147	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	9	11	5	yes	1	7	good	yes	yes		no
1148	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	8	6	3	no	0	1	good	yes	yes		slight lean
1149	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	8	24	no	0	4	fair	no	yes		lean
1150	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	15	14	21	yes	12	45	good	no	yes		no
1151	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	13	12	10	yes	9	23	good	yes	yes		no
1152	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	14	17	yes	3	25	good	no	yes		no
1153	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	9	10	7	yes	0	9	fair	no	yes		slight lean
1154	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	8	3	yes	1	1	good	yes	yes		slight lean
1155	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	5	5	5	no	0	1	good	no	yes		no
1156	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	4	3	2	no	0	1	good	yes	yes		slight lean
1157	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	11	14	12	no	0	19	fair	no	yes		lean
1158	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	14	18	yes	1	5	fair	no	yes		extreme lean
1159	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	11	16	11	yes	6	24	good	no	yes		no
1160	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	13	18	yes	11	50	excellent	yes	yes		slight lean
1161	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	10	7	no	0	4	good	yes	yes		no
1162	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	10	12	8	yes	1	14	good	yes	yes		no
1163	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	8	10	5	yes	1	3	good	yes	yes		slight lean
1164	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	no	6	5	3	no	0	2	good	yes	yes		slight lean
1165	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	9	9	5	no	0	2	good	yes	yes		slight lean
1166	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	11	11	13	yes	4	25	good	yes	yes		no
1167	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	16	17	18	yes	25	70	good	no	yes		lean
1168	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	12	14	12	yes	7	51	fair	no	yes		lean
1169	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	4	3	no	0	1	good	no	yes		slight lean
1170	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	10	12	6	no	0	3	good	no	yes		slight lean
1171	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	12	12	12	no	0	1	good	no	yes		slight lean
1172	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	12	12	12	no	0	4	good	no	yes		slight lean
1173	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	6	10	5	no	0	1	good	no	yes		no
1174	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	12	14	18	yes	2	24	good	no	yes		no
1175	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	no	13	12	10	yes	3	23	good	yes	yes		no
1176	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	5	3	3	no	0	1	good	no	yes		no
1177	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	5	2	3	no	0	1	good	no	yes		slight lean
1178	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	no	yes	3	2	3	no	0	1	good	no	yes		slight lean
1179	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	4	3	3	no	0	1	good	yes	yes		no
1180	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	12	12	25	yes	1	50	fair	no	yes		no
1181	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	10	8	8	yes	1	5	good	no	yes		no
1182	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	3	3	no	0	1	good	no	yes		slight lean
1183	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	4	2	2	no	0	1	good	no	yes		no
1184	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	4	1	2	no	0	1	good	no	yes		no
1185	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	9	7	no	0	4	good	no	yes		slight lean
1186	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	5	7	no	0	1	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1187	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	5	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1188	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	4	5	4	no	0	1	good	yes	yes		no
1189	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	11	10	no	0	10	good	yes	yes		slight lean
1190	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	4	3	3	no	0	1	good	yes	yes		no
1191	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	25	12	24	yes	5	45	fair	no	yes		lean
1192	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	18	12	no	0	25	good	no	yes		lean
1193	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	12	7	no	0	9	good	yes	yes		no
1194	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	5	4	3	no	0	1	good	yes	yes		slight lean
1195	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	6	4	5	no	0	1	good	yes	yes		no
1196	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	7	6	no	0	1	good	yes	yes		slight lean
1197	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	4	2	2	yes	0	1	good	yes	yes		slight lean
1198	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	13	5	yes	1	4	good	yes	yes		slight lean
1199	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/26/2022	yes	no	9	10	10	yes	1	5	good	yes	yes		slight lean
1200	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	11	11	9	no	0	6	good	no	yes		extreme lean
1201	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	13	12	7	yes	1	5	fair	no	yes		slight lean
1202	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	4	3	3	no	0	1	good	no	yes		no
1203	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	13	13	12	no	0	19	good	no	yes		lean
1204	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	11	10	9	yes	1	11	good	no	yes		slight lean
1205	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	11	14	16	yes	9	39	good	no	yes		slight lean
1206	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	11	10	8	yes	1	12	good	no	yes		no
1207	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	13	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1208	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	4	3	3	no	0	1	good	yes	yes		no
1209	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	5	5	5	no	0	1	good	yes	yes		slight lean
1210	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	10	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1211	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	12	12	27	no	0	75	fair	no	yes		no
1212	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	5	1	no	0	1	dead; standing	n/a	yes		slight lean
1213	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	12	13	11	no	0	22	poor	no	yes		slight lean
1214	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	5	4	3	no	0	1	good	yes	yes		no
1215	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	11	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1216	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	12	8	7	yes	2	3	good	yes	yes		slight lean
1217	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	11	13	18	yes	2	16	good	no	yes		no
1218	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	4	3	no	0	1	good	no	yes		no
1219	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	7	3	no	0	1	good	no	yes		lean
1220	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	5	4	3	no	0	1	good	no	yes		no
1221	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	5	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1222	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	10	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1223	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	14	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1224	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	13	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1225	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	12	15	yes	2	33	good	no	yes		lean
1226	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	9	8	4	yes	1	1	good	no	yes		lean
1227	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	6	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1228	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	22	14	15	no	0	60	fair	no	yes		no
1229	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	6	5	4	no	0	1	good	yes	yes		no
1230	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	15	16	17	yes	7	23	good	no	yes		slight lean
1231	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	13	17	yes	4	18	good	yes	yes		no
1232	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	7	6	4	yes	1	1	good	no	yes		slight lean
1233	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	10	12	yes	1	21	good	no	yes		slight lean
1234	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	7	9	no	0	3	fair	no	yes		no
1235	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	10	5	3	no	0	1	good	yes	yes		slight lean
1236	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	10	11	10	yes	3	12	good	yes	yes		slight lean
1237	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	7	6	no	0	3	good	yes	yes		slight lean
1238	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	9	5	no	0	5	dead; standing	n/a	yes		no
1239	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	15	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1240	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	18	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1241	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	7	3	no	0	1	good	yes	yes		no
1242	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	7	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1243	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	4	4	3	no	0	1	good	no	yes		no
1244	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	5	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1245	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	5	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1246	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	5	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1247	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	15	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1248	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	15	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1249	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	8	3	yes	1	2	fair	no	yes		no
1250	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	5	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1251	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	4	1	1	no	0	1	dead; standing	n/a	yes		no
1252	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	4	1	1	no	0	1	dead; standing	n/a	yes		no
1253	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	4	9	10	yes	0	7	good	no	yes		lean
1254	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	11	13	15	yes	1	25	good	no	yes		lean
1255	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	5	5	no	0	1	good	no	yes		no
1256	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	9	6	no	0	3	good	no	yes		no
1257	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	3	4	3	yes	0	1	good	no	yes		no
1258	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	6	5	no	0	1	good	yes	yes		no
1259	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	10	10	7	no	0	3	good	no	yes		no
1260	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	10	10	7	no	0	3	good	no	yes		no
1261	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	10	9	7	no	0	1	good	no	yes		no
1262	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	8	12	6	yes	1	8	good	no	yes		no
1263	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	8	11	7	no	0	4	good	no	yes		lean
1264	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	no	11	16	15	no	0	19	good	no	yes		slight lean
1265	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	yes	3	2	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1266	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	7	5	no	0	1	good	no	yes		no
1267	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	yes	yes	6	4	3	no	0	1	good	no	yes		no
1268	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/25/2022	no	no	13	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1269	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	12	12	17	yes	2	30	good	no	yes		extreme lean
1270	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	10	5	yes	1	5	good	no	yes		no
1271	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	11	13	13	yes	3	29	good	no	yes		no
1272	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	9	7	no	0	4	good	no	yes		no
1273	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	5	4	yes	0	1	good	yes	yes		no
1274	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	11	13	13	yes	2	19	good	yes	yes		no
1275	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	11	12	13	yes	1	13	good	no	yes		slight lean
1276	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	12	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1277	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	4	3	3	yes	0	1	good	no	yes		slight lean
1278	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	10	7	no	0	5	good	yes	yes		slight lean
1279	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	12	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1280	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	9	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1281	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	14	10	yes	1	15	good	no	yes		slight lean
1282	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	4	3	no	0	2	dead; standing	n/a	yes		lean
1283	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	7	8	no	0	6	fair	no	yes		slight lean
1284	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	2	2	no	0	1	good	no	yes		no
1285	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	4	3	no	0	1	good	no	yes		no
1286	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	6	3	no	0	1	poor	no	yes		no
1287	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	13	8	no	0	9	fair	no	yes		lean
1288	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	6	4	no	0	1	good	yes	yes		slight lean
1289	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1290	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	5	3	4	no	0	1	good	no	yes		no
1291	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	3	3	no	0	1	good	no	yes		slight lean
1292	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	11	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1293	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	10	6	no	0	5	good	no	yes		slight lean
1294	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	5	3	no	0	1	good	no	yes		slight lean
1295	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	11	8	yes	1	3	good	no	yes		slight lean
1296	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	2	3	no	0	1	fair	no	yes		lean
1297	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	13	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1298	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	9	4	no	0	1	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1299	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	15	20	no	0	21	good	no	yes		extreme lean
1300	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	5	4	no	0	1	good	yes	yes		no
1301	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	11	20	23	yes	1	22	good	no	yes		slight lean
1302	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	5	7	4	no	0	1	good	yes	yes		slight lean
1303	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1304	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	9	13	no	0	4	good	no	yes		lean
1305	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	9	10	no	0	4	good	no	yes		slight lean
1306	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	12	7	no	0	4	good	no	yes		no
1307	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	6	4	no	0	1	good	no	yes		slight lean
1308	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	5	4	no	0	1	good	no	yes		slight lean
1309	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	12	25	no	0	11	fair	no	yes		extreme lean
1310	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	12	13	yes	1	13	good	no	yes		lean
1312	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	11	11	yes	1	8	good	no	yes		slight lean
1313	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	4	2	3	no	0	1	good	no	yes		slight lean
1314	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	6	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1315	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1316	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	11	8	yes	1	3	good	yes	yes		no
1317	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	11	4	no	0	2	good	no	yes		slight lean
1318	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	11	6	yes	1	3	good	no	yes		lean
1319	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	4	3	no	0	1	good	yes	yes		slight lean
1320	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1321	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	2	1	2	yes	0	1	good	no	yes		no
1322	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	4	3	no	0	1	good	no	yes		slight lean
1323	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	2	2	no	0	1	good	no	yes		no
1324	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	5	4	no	0	1	good	no	yes		slight lean
1325	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	9	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
1326	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	3	3	no	0	1	good	no	yes		no
1327	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	12	16	20	no	0	34	good	no	yes		lean
1328	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	3	1	2	no	0	1	critical	no	yes		lean
1329	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1330	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	13	7	no	0	8	good	no	yes		slight lean
1331	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	12	6	no	0	6	good	no	yes		slight lean
1332	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	8	3	no	0	1	good	no	yes		slight lean
1333	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	12	13	no	0	11	good	no	yes		slight lean
1334	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	9	5	no	0	3	good	no	yes		lean
1335	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	10	7	no	0	7	good	no	yes		lean
1336	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	9	7	no	0	8	good	no	yes		lean
1337	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	11	7	no	0	9	good	no	yes		lean
1338	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	10	7	no	0	7	good	no	yes		lean
1339	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	2	3	no	0	1	good	no	yes		slight lean
1340	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	16	33	yes	2	26	good	no	yes		extreme lean
1341	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	12	8	yes	1	10	good	no	yes		no
1342	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	6	3	no	0	1	good	no	yes		slight lean
1343	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1344	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	4	3	no	0	1	fair	no	yes		no
1345	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	8	6	no	0	3	good	no	yes		slight lean
1346	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	8	9	no	0	6	good	no	yes		slight lean
1347	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1348	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
1349	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	1	2	no	0	1	dead; standing	n/a	yes		extreme lean
1350	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	1	2	no	0	1	dead; standing	n/a	yes		extreme lean
1351	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	12	13	25	yes	20	66	good	no	yes		lean
1352	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	12	11	10	no	0	13	good	yes	yes		slight lean
1353	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	10	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1354	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	12	13	12	yes	1	17	good	yes	yes		slight lean
1355	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	13	25	23	yes	30	65	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1356	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	8	4	2	no	0	10	dead; standing	n/a	yes		slight lean
1357	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	10	7	no	0	8	fair	no	yes		no
1358	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	12	13	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1359	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	2	2	no	0	1	good	no	yes		lean
1360	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	5	3	no	0	1	good	no	yes		lean
1361	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	5	3	no	0	1	good	no	yes		lean
1362	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	3	2	no	0	1	good	no	yes		lean
1363	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	6	4	5	no	0	1	good	no	yes		slight lean
1364	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	10	7	no	0	6	good	no	yes		no
1365	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	7	7	5	no	0	1	good	no	yes		lean
1366	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	7	1	no	0	1	dead; standing	n/a	yes		slight lean
1367	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	8	13	no	0	6	fair	no	yes		lean
1368	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	12	15	no	0	7	good	no	yes		lean
1369	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	12	12	11	no	0	14	good	yes	yes		no
1370	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	12	14	17	yes	3	41	good	no	yes		slight lean
1371	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	7	5	no	0	1	good	no	yes		extreme lean
1372	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	8	4	5	no	0	1	good	yes	yes		no
1373	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	5	4	no	0	1	good	yes	yes		slight lean
1374	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	4	3	3	no	0	1	good	no	yes		lean
1375	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	7	9	8	no	0	9	good	no	yes		lean
1376	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	12	17	13	yes	3	19	good	no	yes		slight lean
1377	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	14	13	12	yes	6	65	good	no	yes		slight lean
1378	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1379	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	5	4	5	no	0	1	good	yes	yes		no
1380	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	12	13	12	no	0	59	fair	no	yes		lean
1381	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	7	6	no	0	6	fair	no	yes		no
1382	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	6	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1383	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	12	12	14	yes	2	26	good	no	yes		lean
1384	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	7	9	yes	1	7	good	no	yes		slight lean
1385	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	9	8	no	0	5	good	no	yes		no
1386	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	6	9	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
1387	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1388	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	16	13	16	yes	9	28	good	no	yes		slight lean
1389	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	4	3	5	yes	0	1	good	no	yes		slight lean
1390	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	4	2	4	no	0	1	good	no	yes		no
1391	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	12	10	yes	2	10	good	no	yes		no
1392	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	15	13	yes	3	35	good	no	yes		slight lean
1393	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	3	2	3	no	0	1	good	no	yes		slight lean
1394	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	5	3	3	no	0	1	good	no	yes		slight lean
1395	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	5	6	4	no	0	5	good	no	yes		no
1396	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	12	12	24	yes	0	4	good	no	yes		slight lean
1397	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	12	12	17	yes	2	35	fair	no	yes		extreme lean
1398	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	6	9	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1399	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	12	20	19	yes	6	42	good	no	yes		slight lean
1400	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	8	3	no	0	1	good	no	yes		slight lean
1401	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	11	9	no	0	12	good	no	yes		slight lean
1402	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	5	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1403	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	14	16	yes	3	22	good	no	yes		no
1404	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	10	5	no	0	5	good	no	yes		no
1405	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	13	4	yes	1	3	good	no	yes		extreme lean
1406	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	15	17	yes	3	22	good	no	yes		extreme lean
1407	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	6	3	no	0	1	good	no	yes		lean
1408	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	5	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
1409	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	4	4	no	0	1	good	yes	yes		no
1410	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	5	4	no	0	1	poor	no	yes		lean
1411	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	18	18	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1412	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	13	17	19	yes	6	42	good	no	yes		slight lean
1413	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	6	7	5	no	0	3	good	no	yes		lean
1414	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	5	4	3	no	0	1	good	no	yes		slight lean
1415	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	17	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1416	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	3	3	no	0	1	good	no	yes		slight lean
1417	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	5	3	no	0	2	good	no	yes		extreme lean
1418	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	6	6	no	0	3	good	no	yes		slight lean
1419	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	4	2	2	no	0	1	good	yes	yes		slight lean
1420	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	7	9	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1421	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1422	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	4	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1423	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1424	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1425	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	6	5	no	0	1	good	no	yes		no
1426	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	4	3	no	0	1	good	no	yes		no
1427	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	12	7	yes	1	11	good	no	yes		lean
1428	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	6	3	no	0	1	good	no	yes		slight lean
1429	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	3	1	2	no	0	1	good	no	yes		no
1430	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1431	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	7	7	no	0	10	poor	no	yes		no
1432	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	13	13	13	yes	1	34	good	yes	yes		slight lean
1434	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	4	5	4	no	0	1	good	yes	yes		no
1435	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1436	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	5	3	no	0	1	good	no	yes		no
1437	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1438	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	7	9	no	0	3	good	no	yes		slight lean
1439	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	4	6	no	0	1	good	no	yes		no
1440	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	3	6	no	0	1	good	no	yes		no
1441	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	12	15	13	yes	3	28	good	yes	yes		slight lean
1442	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	11	10	yes	1	12	good	no	yes		lean
1443	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	9	9	yes	1	5	good	no	yes		no
1444	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	6	5	no	0	4	good	no	yes		slight lean
1445	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	4	3	no	0	1	good	no	yes		slight lean
1446	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	2	3	no	0	1	good	no	yes		slight lean
1447	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	5	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1448	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	10	12	no	0	10	good	no	yes		extreme lean
1449	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	4	4	no	0	1	good	no	yes		slight lean
1450	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	5	4	no	0	1	good	no	yes		slight lean
1451	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	5	4	no	0	1	good	no	yes		lean
1452	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	5	4	no	0	1	good	no	yes		lean
1453	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	3	1	2	no	0	1	good	no	yes		lean
1454	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	5	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1455	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	12	9	yes	1	9	good	no	yes		lean
1456	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	6	4	no	0	1	good	no	yes		slight lean
1457	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	4	4	no	0	1	good	no	yes		slight lean
1458	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	3	4	no	0	1	good	no	yes		slight lean
1459	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	3	4	no	0	1	good	no	yes		slight lean
1460	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	5	7	no	0	2	good	no	yes		slight lean
1461	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	4	3	no	0	1	good	no	yes		slight lean
1462	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	5	5	no	0	1	good	no	yes		lean
1463	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	5	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1464	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	5	5	4	no	0	1	good	no	yes		slight lean
1465	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	3	3	no	0	1	good	no	yes		slight lean
1466	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	3	3	no	0	1	good	no	yes		slight lean
1467	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	3	3	no	0	1	good	no	yes		slight lean
1468	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	1	3	no	0	1	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1469	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	9	9	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1470	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	10	6	no	0	3	good	no	yes		slight lean
1471	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	10	7	yes	0	3	good	no	yes		slight lean
1472	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	10	7	no	0	9	good	no	yes		lean
1473	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	12	6	no	0	8	good	yes	yes		slight lean
1474	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	11	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1475	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1476	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1477	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	5	3	no	0	1	good	no	yes		slight lean
1478	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1479	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1480	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1481	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	8	5	no	0	3	good	no	yes		slight lean
1482	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	11	8	yes	1	10	good	no	yes		lean
1483	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	5	2	no	0	5	dead; standing	n/a	yes		extreme lean
1484	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	8	7	yes	1	10	fair	no	yes		extreme lean
1485	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	6	7	no	0	10	dead; standing	n/a	yes		extreme lean
1486	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	6	3	no	0	1	good	no	yes		slight lean
1487	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	10	7	no	0	6	good	no	yes		lean
1488	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	4	2	3	no	0	1	good	yes	yes		no
1489	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	12	17	23	yes	7	27	good	no	yes		slight lean
1490	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	12	11	yes	2	12	good	no	yes		lean
1491	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	4	1	2	no	0	1	good	no	yes		lean
1492	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	11	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1493	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	12	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1494	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	4	4	4	no	0	1	good	yes	yes		no
1495	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	11	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1496	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	13	13	19	yes	8	41	good	yes	yes		slight lean
1497	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	9	7	no	0	3	good	no	yes		lean
1498	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	7	7	no	0	1	good	no	yes		lean
1499	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	9	7	no	0	3	good	no	yes		lean
1500	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	5	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1501	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
1502	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
1503	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	11	12	4	no	0	10	good	no	yes		slight lean
1504	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	5	2	no	0	1	good	yes	yes		no
1505	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
1506	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	19	10	yes	1	33	good	no	yes		no
1507	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	3	2	1	no	0	1	good	yes	yes		no
1508	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	13	17	9	yes	4	40	good	no	yes		no
1509	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	11	4	yes	1	3	good	yes	yes		no
1510	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	6	2	no	0	1	good	yes	yes		slight lean
1511	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	3	1	no	0	1	good	yes	yes		slight lean
1512	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	4	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
1513	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	13	3	no	0	3	good	yes	yes		no
1514	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	2	1	no	0	1	good	yes	yes		no
1515	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	12	15	7	yes	3	37	good	yes	yes		no
1516	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	13	5	yes	2	21	good	yes	yes		no
1517	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
1518	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	10	4	yes	1	7	fair	no	yes		extreme lean
1519	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	7	10	2	no	0	2	fair	no	yes		slight lean
1520	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	13	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1521	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	10	3	yes	1	5	good	no	yes		slight lean
1522	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	9	2	no	0	3	good	no	yes		slight lean
1523	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	16	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1524	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1525	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	9	3	yes	2	8	good	no	yes		no
1526	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	11	15	10	yes	2	32	good	no	yes		lean
1527	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
1528	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	13	5	yes	3	15	good	yes	yes		no
1529	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	5	1	no	0	1	dead; standing	n/a	yes		slight lean
1530	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	9	3	no	0	4	good	yes	yes		no
1531	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	9	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1532	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	7	3	yes	1	3	good	no	yes		lean
1533	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	10	3	yes	1	4	good	yes	yes		slight lean
1534	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	13	3	no	0	8	good	yes	yes		slight lean
1535	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
1536	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	9	3	no	0	2	good	no	yes		no
1537	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1538	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	6	1	no	0	1	good	yes	yes		no
1539	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	11	3	no	0	4	good	no	yes		slight lean
1540	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	4	2	no	0	4	good	no	yes		slight lean
1541	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	4	1	no	0	1	good	no	yes		no
1542	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	4	1	no	0	1	good	no	yes		no
1543	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	6	1	no	0	1	dead; standing	n/a	yes		no
1544	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1545	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1546	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1547	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1548	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	9	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1549	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	9	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1550	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	3	1	no	0	1	good	yes	yes		no
1551	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	2	2	1	no	0	1	good	yes	yes		no
1552	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	15	10	yes	4	35	good	yes	yes		slight lean
1553	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	10	13	10	yes	2	18	good	yes	yes		slight lean
1554	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	1	1	1	no	0	1	poor	no	yes		no
1555	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	12	10	3	no	0	3	good	yes	yes		no
1556	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	3	1	no	0	1	good	yes	yes		no
1557	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	3	1	no	0	1	good	yes	yes		no
1558	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	4	5	1	no	0	1	good	yes	yes		no
1559	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1560	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	11	3	no	0	10	good	yes	yes		slight lean
1561	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	5	6	3	no	0	1	good	yes	yes		slight lean
1562	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	5	5	1	no	0	1	good	yes	yes		no
1563	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	13	4	yes	1	11	good	yes	yes		no
1564	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	8	7	2	yes	1	1	good	yes	yes		no
1565	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	12	17	9	yes	5	25	good	no	yes		no
1566	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	14	8	yes	7	36	good	yes	yes		no
1567	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	13	6	yes	4	30	good	no	yes		lean
1568	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	5	2	no	0	1	good	yes	yes		no
1569	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	10	5	yes	2	27	good	yes	yes		no
1570	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	15	20	10	yes	2	30	good	no	yes		lean
1571	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	11	3	yes	2	4	good	no	yes		slight lean
1572	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	4	2	no	0	1	good	no	yes		slight lean
1573	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	4	2	no	0	1	good	no	yes		slight lean
1574	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	15	8	yes	2	29	good	no	yes		no
1575	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	4	2	no	0	1	good	no	yes		slight lean
1576	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	2	1	no	0	1	good	no	yes		slight lean
1577	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	15	7	yes	2	24	good	yes	yes		slight lean
1578	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	13	8	yes	2	23	fair	no	yes		no
1579	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	16	8	no	0	18	good	no	yes		no
1580	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	13	6	yes	1	18	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1581	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	14	4	no	0	9	poor	no	yes		lean
1582	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
1583	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	6	2	no	0	1	good	yes	yes		no
1584	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	14	6	yes	2	17	good	yes	yes		slight lean
1585	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
1586	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	14	4	no	0	5	good	yes	yes		no
1587	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	16	12	yes	2	40	good	no	yes		no
1588	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
1589	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
1590	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
1591	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	14	8	yes	3	18	good	yes	yes		no
1592	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	7	2	no	0	2	good	yes	yes		slight lean
1593	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	7	3	no	0	5	good	yes	yes		no
1594	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	5	2	no	0	1	good	yes	yes		no
1595	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	13	6	yes	3	16	good	yes	yes		no
1596	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	11	13	6	no	0	12	good	no	yes		lean
1597	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	18	n/a	no	0	13	dead; moderately aged	n/a	yes		n/a
1598	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	6	2	yes	0	1	poor	no	yes		extreme lean
1599	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	6	2	yes	1	1	good	yes	yes		no
1600	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	7	9	3	no	0	4	good	yes	yes		no
1601	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
1602	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
1603	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	1	2	1	no	0	1	good	yes	yes		no
1604	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	3	3	1	no	0	1	good	yes	yes		no
1605	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	13	16	6	yes	2	18	good	no	yes		slight lean
1606	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	4	2	no	0	1	good	no	yes		no
1607	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	4	2	no	0	1	good	no	yes		no
1608	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	6	2	yes	1	1	good	yes	yes		no
1609	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	17	9	no	0	20	fair	no	yes		no
1610	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	5	1	no	0	1	good	yes	yes		no
1611	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	13	n/a	no	0	17	dead; moderately aged	n/a	yes		n/a
1612	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	10	3	no	0	9	fair	no	yes		no
1613	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	14	20	10	no	0	20	fair	no	yes		no
1614	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	8	2	yes	1	3	good	yes	yes		no
1615	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	7	12	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
1616	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	7	10	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
1617	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	5	2	no	0	1	good	yes	yes		no
1618	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	19	27	18	yes	16	70	excellent	no	yes		no
1619	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	16	18	18	yes	5	60	excellent	no	yes		lean
1620	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	13	3	no	0	5	good	no	yes		no
1621	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	13	8	yes	2	21	good	yes	yes		no
1622	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	7	3	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
1623	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	12	6	yes	2	6	good	yes	yes		no
1624	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	11	14	7	no	0	21	poor	no	yes		no
1625	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	12	4	no	0	12	good	yes	yes		no
1626	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	12	4	yes	1	13	good	no	yes		lean
1627	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	14	20	12	yes	15	70	excellent	no	yes		no
1628	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	12	22	9	yes	3	21	good	no	yes		slight lean
1629	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	12	3	no	0	11	good	yes	yes		no
1630	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	12	8	yes	2	9	good	yes	yes		no
1631	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	12	12	8	yes	11	20	good	yes	yes		no
1632	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	no	no	4	2	1	no	0	1	good	yes	yes		no
1633	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	7	11	2	no	0	2	poor	no	yes		no
1634	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	9	12	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
1635	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	8	12	5	no	0	15	poor	no	yes		lean
1636	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	8	12	5	no	0	5	poor	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1637	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	6	5	1	no	0	1	good	yes	yes		slight lean
1638	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	8	9	2	yes	2	2	good	yes	yes		slight lean
1639	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	8	10	2	no	0	2	good	yes	yes		slight lean
1640	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	no	no	1	1	1	no	0	1	fair	no	yes		no
1641	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	no	no	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1643	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
1644	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	12	5	yes	1	4	good	yes	yes		slight lean
1645	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
1646	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	6	6	2	no	0	2	good	yes	yes		no
1650	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	7	9	3	yes	1	4	good	yes	yes		slight lean
1651	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	7	14	3	yes	3	21	good	no	yes		lean
1652	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	8	7	2	yes	1	2	good	yes	yes		no
1653	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	8	10	3	yes	3	7	good	yes	yes		no
1654	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	9	9	9	no	0	4	good	yes	yes		no
1662	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	10	16	12	yes	2	35	good	no	yes		no
1663	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	no	no	5	4	1	no	0	2	good	yes	yes		no
1664	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	10	11	5	no	0	7	good	yes	yes		no
1665	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	9	11	9	no	0	9	fair	no	yes		extreme lean
1666	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	9	14	9	yes	7	17	good	yes	yes		slight lean
1667	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	9	12	5	yes	2	5	good	yes	yes		no
1668	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	9	12	5	yes	2	9	good	yes	yes		no
1669	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
1670	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
1671	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
1672	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	9	2	yes	1	2	good	yes	yes		no
1673	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	9	2	no	0	4	good	yes	yes		no
1674	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	5	2	no	0	1	good	yes	yes		no
1675	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	9	2	no	0	6	good	yes	yes		no
1676	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	5	2	no	0	1	good	yes	yes		no
1677	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	13	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1678	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	9	2	yes	1	2	good	yes	yes		slight lean
1679	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	9	2	no	0	4	good	yes	yes		slight lean
1680	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	7	2	no	0	4	good	yes	yes		slight lean
1681	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	12	5	yes	3	11	good	yes	yes		slight lean
1682	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	14	9	yes	7	30	good	no	yes		crown leanin
1683	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	9	2	yes	1	2	good	yes	yes		no
1684	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	10	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1685	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	17	4	yes	5	10	good	no	yes		no
1686	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	17	4	yes	1	7	good	no	yes		no
1687	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	10	4	no	0	5	good	yes	yes		no
1688	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	15	9	yes	7	27	fair	no	yes		no
1689	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	13	4	yes	1	5	good	yes	yes		no
1690	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	7	7	2	no	0	1	good	yes	yes		no
1691	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1692	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	6	4	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1693	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	10	7	yes	3	12	good	yes	yes		no
1694	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	14	7	yes	2	18	good	yes	yes		no
1695	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	13	9	yes	2	18	good	yes	yes		no
1696	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	7	1	no	0	1	good	yes	yes		no
1697	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	13	8	no	0	14	good	yes	yes		no
1698	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	1	1	2	no	0	1	good	yes	yes		no
1699	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	16	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
1700	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	9	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1701	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	11	8	yes	3	18	good	no	yes		extreme lean
1702	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	8	4	no	0	6	good	no	yes		lean
1703	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	7	6	yes	2	10	good	no	yes		extreme lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1704	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	10	3	yes	1	7	good	yes	yes		slight lean
1705	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	11	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1706	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	9	3	no	0	7	good	yes	yes		no
1707	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	7	2	no	0	2	good	yes	yes		no
1708	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	9	13	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1709	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	11	5	no	0	13	good	no	yes		lean
1710	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	13	16	yes	2	16	good	no	yes		lean
1711	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	14	6	no	0	15	good	no	yes		lean
1712	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	8	2	no	0	2	good	yes	yes		slight lean
1713	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	5	2	no	0	1	good	yes	yes		no
1714	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	11	17	13	yes	2	40	good	no	yes		lean
1715	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	12	4	no	0	6	good	yes	yes		slight lean
1716	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	14	14	no	0	30	fair	no	yes		lean
1717	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	8	4	yes	1	10	good	yes	yes		no
1718	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	14	4	yes	2	10	good	yes	yes		no
1719	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	14	4	yes	3	10	good	no	yes		lean
1720	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	9	2	yes	1	1	good	yes	yes		slight lean
1721	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	11	5	yes	2	12	good	yes	yes		no
1722	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	6	1	no	2	12	good	yes	yes		no
1723	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	10	4	yes	1	2	good	yes	yes		slight lean
1724	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	10	1	no	0	1	fair	no	yes		extreme lean
1725	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	13	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1726	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	7	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1727	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	6	1	no	0	1	dead; standing	n/a	yes		no
1728	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	12	2	no	0	2	good	yes	yes		no
1729	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	5	2	no	0	1	good	yes	yes		no
1730	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	13	5	yes	2	13	good	yes	yes		no
1731	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	5	2	no	0	1	good	yes	yes		no
1732	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	14	9	yes	3	25	good	yes	yes		slight lean
1733	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	16	10	yes	3	35	good	no	yes		no
1734	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	16	10	yes	3	25	good	no	yes		slight lean
1735	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	9	3	yes	1	4	good	yes	yes		no
1736	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	18	10	yes	7	25	good	no	yes		slight lean
1737	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	9	3	yes	1	4	good	yes	yes		slight lean
1738	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	10	3	no	0	4	good	yes	yes		slight lean
1739	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	12	4	yes	4	12	good	yes	yes		no
1740	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	12	6	no	0	21	good	yes	yes		slight lean
1741	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	7	3	no	0	4	good	yes	yes		no
1742	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	7	3	no	0	3	good	yes	yes		no
1743	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	11	4	yes	1	5	good	yes	yes		no
1744	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	10	4	yes	3	11	good	yes	yes		no
1745	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	9	3	no	0	3	good	no	yes		crown leaning
1746	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	12	6	yes	1	11	good	no	yes		lean
1747	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	8	2	no	0	2	good	yes	yes		no
1748	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	8	2	no	0	3	good	yes	yes		no
1749	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	8	2	no	0	2	good	yes	yes		no
1750	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	8	2	no	0	2	good	yes	yes		no
1751	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	6	2	yes	0	1	good	yes	yes		no
1752	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	7	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1753	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	11	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1754	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	4	2	no	0	1	good	yes	yes		no
1755	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	7	2	no	0	2	good	yes	yes		no
1756	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	7	2	yes	1	2	good	yes	yes		no
1757	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	10	2	yes	1	6	good	yes	yes		no
1758	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	9	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1759	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	9	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1760	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1761	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	9	9	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1762	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	11	3	yes	1	3	good	yes	yes		no
1763	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	6	2	no	0	1	good	yes	yes		no
1764	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	16	15	yes	2	36	good	no	yes		slight lean
1765	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/30/2022	yes	no	10	14	8	yes	1	33	excellent	yes	yes		no
1766	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/30/2022	yes	no	5	5	2	no	0	1	good	yes	yes		no
1767	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	10	4	yes	2	9	good	yes	yes		no
1768	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	19	8	yes	8	23	good	no	yes		no
1769	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	9	3	no	0	4	good	yes	yes		slight lean
1770	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	9	3	no	0	4	good	yes	yes		slight lean
1771	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	10	3	no	0	4	good	yes	yes		slight lean
1772	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1773	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1774	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	5	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1775	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	5	2	yes	0	1	good	no	yes		extreme lean
1776	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	9	4	no	0	2	good	yes	yes		slight lean
1777	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1778	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	13	6	no	0	25	fair	no	yes		no
1779	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	12	15	14	no	0	50	poor	no	yes		no
1780	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	12	19	14	yes	1	50	fair	no	yes		no
1781	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	6	2	no	0	1	good	yes	yes		no
1782	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	4	3	2	no	0	1	good	yes	yes		no
1783	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	9	2	yes	1	2	good	yes	yes		no
1784	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	6	3	no	0	4	good	no	yes		lean
1785	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	3	1	no	0	1	good	no	yes		lean
1786	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	11	2	no	0	5	good	yes	yes		no
1787	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	13	18	10	yes	2	24	fair	no	yes		no
1789	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	7	2	no	0	1	good	yes	yes		no
1790	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	9	3	yes	3	3	good	yes	yes		slight lean
1791	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	8	5	yes	2	16	poor	no	yes		slight lean
1792	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	3	3	1	no	0	1	good	yes	yes		slight lean
1793	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	10	13	n/a	no	0	10	dead; moderately aged	n/a	yes		n/a
1794	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	14	16	yes	3	26	fair	no	yes		no
1795	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	14	8	yes	3	16	fair	no	yes		no
1796	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	2	no	0	2	good	yes	yes		no
1797	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	7	2	no	0	2	good	yes	yes		no
1798	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	8	2	no	0	7	fair	no	yes		no
1799	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1800	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	12	8	yes	7	22	good	yes	yes		slight lean
1801	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	11	8	yes	2	8	good	yes	yes		slight lean
1802	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	16	5	yes	2	10	good	no	yes		no
1803	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	12	8	yes	4	21	fair	no	yes		no
1804	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	10	2	no	0	3	good	yes	yes		slight lean
1805	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	10	2	no	0	3	good	yes	yes		slight lean
1806	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	11	2	no	0	3	good	yes	yes		slight lean
1807	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	11	2	no	0	3	good	yes	yes		slight lean
1808	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	11	2	yes	1	6	good	yes	yes		slight lean
1809	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	11	4	no	0	7	good	yes	yes		slight lean
1810	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1811	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1812	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	5	2	no	0	1	good	yes	yes		no
1813	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	3	3	2	no	0	1	good	yes	yes		no
1814	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	3	3	2	no	0	1	good	yes	yes		no
1815	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	7	2	no	0	1	good	yes	yes		no
1816	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	7	2	no	0	1	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1817	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
1818	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	2	no	0	1	good	yes	yes		no
1819	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	7	9	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1820	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1821	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1822	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	6	2	no	0	1	good	yes	yes		no
1823	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	2	3	2	no	0	1	dead; standing	n/a	yes		no
1824	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	3	4	2	no	0	1	good	yes	yes		no
1825	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	5	2	no	0	1	good	yes	yes		no
1826	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	3	1	no	0	1	good	yes	yes		no
1827	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	3	1	no	0	1	good	yes	yes		no
1828	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	3	1	no	0	1	good	yes	yes		no
1829	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	3	1	no	0	1	good	yes	yes		no
1830	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	1	1	1	no	0	1	good	yes	yes		no
1831	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1832	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1833	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	9	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1834	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1835	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1837	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1838	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1839	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
1840	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
1841	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	3	3	2	no	0	2	good	yes	yes		no
1842	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	8	2	yes	1	3	good	yes	yes		no
1843	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	10	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1844	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	10	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1845	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	10	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1846	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	10	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1847	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	5	5	2	no	0	2	good	yes	yes		no
1848	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	10	16	7	yes	3	34	fair	no	yes		no
1849	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	7	7	2	yes	2	2	good	yes	yes		no
1850	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	10	3	yes	1	3	good	no	yes		lean
1851	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	12	22	8	yes	2	28	fair	no	yes		slight lean
1852	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	7	7	2	no	0	1	good	yes	yes		no
1853	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	9	14	12	yes	10	20	good	yes	yes		no
1854	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	13	15	11	yes	7	30	good	no	yes		lean
1855	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	5	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1856	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	4	3	2	no	0	3	good	yes	yes		slight lean
1857	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	4	4	2	no	0	1	good	yes	yes		slight lean
1858	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	4	5	2	no	0	1	good	yes	yes		slight lean
1859	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	10	5	yes	2	9	good	yes	yes		no
1860	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	9	13	8	yes	7	25	good	yes	yes		slight lean
1861	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	8	3	yes	1	5	good	yes	yes		no
1862	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1863	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
1864	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	7	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1865	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	11	5	yes	0	8	good	yes	yes		slight lean
1866	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	10	3	no	0	4	good	yes	yes		slight lean
1867	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	5	4	2	no	0	1	good	yes	yes		no
1868	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	10	3	yes	1	2	good	yes	yes		slight lean
1869	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	7	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1870	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	7	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1871	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	10	15	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1872	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	16	8	no	0	22	fair	no	yes		no
1873	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	3	2	1	no	0	1	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1874	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	5	6	2	no	0	1	good	yes	yes		no
1875	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	3	2	2	no	0	3	good	yes	yes		no
1876	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1877	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	8	2	no	0	2	good	yes	yes		no
1878	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	3	3	2	no	0	1	good	yes	yes		no
1879	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	9	2	yes	1	1	good	yes	yes		no
1880	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	7	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1881	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	6	7	2	yes	0	1	good	yes	yes		slight lean
1882	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	11	7	yes	2	15	good	yes	yes		no
1883	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	9	7	no	2	0	good	yes	yes		no
1884	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	10	2	no	0	2	good	yes	yes		no
1885	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	10	2	no	0	3	good	yes	yes		slight lean
1886	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	10	2	no	0	1	good	yes	yes		slight lean
1887	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	10	2	no	0	2	good	yes	yes		slight lean
1888	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	10	2	no	0	2	good	yes	yes		slight lean
1889	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	7	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1890	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	7	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1901	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	11	10	8	yes	6	19	good	yes	yes		slight lean
1902	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	10	13	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1903	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	9	8	3	no	0	3	good	yes	yes		no
1904	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	12	10	no	0	10	good	no	yes		slight lean
1905	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
1906	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
1907	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	3	1	no	0	1	good	no	yes		no
1908	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	9	10	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
1909	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	10	10	7	no	0	21	good	no	yes		slight lean
1910	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	6	5	2	no	0	1	good	yes	yes		no
1911	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	14	14	12	yes	2	39	good	yes	yes		no
1912	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	12	13	11	yes	4	40	good	yes	yes		slight lean
1913	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	5	3	2	no	0	1	good	yes	yes		no
1914	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	no	3	3	1	no	0	1	good	yes	yes		no
1915	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
1916	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	9	5	yes	1	4	good	no	yes		slight lean
1917	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
1918	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	5	2	no	0	1	good	no	yes		no
1919	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	8	9	4	no	0	3	good	no	yes		lean
1920	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	13	10	no	0	15	good	no	yes		lean
1921	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	yes	3	1	1	no	0	1	good	no	yes		no
1922	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	5	2	no	0	1	good	no	yes		slight lean
1923	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	9	13	15	no	0	15	good	no	yes		lean
1924	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
1925	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	yes	yes	4	3	1	no	0	1	good	no	yes		slight lean
1926	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	3	2	1	no	0	1	good	no	yes		slight lean
1927	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	10	10	yes	1	5	good	no	yes		extreme lean
1928	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	14	18	18	yes	5	48	fair	no	yes		lean
1929	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	7	5	2	no	0	1	good	no	yes		lean
1930	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	8	5	no	0	5	good	yes	yes		slight lean
1931	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
1932	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	6	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1933	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	10	12	n/a	no	0	10	dead; moderately aged	n/a	yes		n/a
1934	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	12	15	10	yes	3	45	good	yes	yes		slight lean
1935	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	4	3	no	0	2	good	yes	yes		slight lean
1936	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	13	8	yes	1	30	good	yes	yes		no
1937	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	4	3	1	no	0	1	good	yes	yes		no
1938	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	9	12	n/a	no	0	9	dead; moderately aged	n/a	yes		n/a
1939	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1940	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	14	12	no	0	32	good	no	yes		lean
1941	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	5	2	no	0	1	good	yes	yes		no
1942	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	13	20	yes	3	68	fair	no	yes		extreme lean
1943	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	12	n/a	no	0	10	dead; moderately aged	n/a	yes		n/a
1944	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	8	5	no	0	5	good	yes	yes		no
1945	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	14	10	yes	2	37	fair	no	yes		no
1946	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	9	2	no	0	3	fair	no	yes		no
1947	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	10	4	yes	1	9	good	yes	yes		slight lean
1948	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	15	18	18	yes	11	89	good	no	yes		slight lean
1949	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	9	5	yes	1	12	good	no	yes		slight lean
1950	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1951	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	10	8	no	0	12	poor	no	yes		lean
1952	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	3	1	no	0	1	good	no	yes		no
1953	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
1954	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	3	2	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
1955	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	14	15	10	yes	5	38	good	yes	yes		no
1956	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	12	4	yes	2	4	good	yes	yes		no
1957	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	7	3	no	0	1	good	no	yes		lean
1958	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	5	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1959	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	4	2	no	0	1	good	no	yes		slight lean
1960	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	8	9	n/a	no	0	8	dead; moderately aged	n/a	yes		n/a
1961	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	5	2	no	0	1	good	no	yes		slight lean
1962	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	3	2	no	0	1	good	yes	yes		slight lean
1963	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	5	2	no	0	1	good	yes	yes		slight lean
1964	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	15	12	yes	2	29	good	yes	yes		slight lean
1965	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	18	13	no	0	43	good	no	yes		slight lean
1966	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	10	4	no	0	3	good	no	yes		lean
1967	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	12	4	no	0	6	good	no	yes		no
1968	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	14	8	no	0	18	good	no	yes		slight lean
1969	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	16	8	no	0	13	fair	no	yes		lean
1970	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
1971	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
1972	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	16	10	yes	2	24	good	no	yes		slight lean
1973	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	14	6	no	0	9	good	no	yes		lean
1974	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	12	5	no	0	6	good	no	yes		lean
1975	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	6	3	no	0	1	good	no	yes		lean
1976	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	5	9	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
1977	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	5	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1978	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1979	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	10	15	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1980	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	10	7	yes	1	8	good	no	yes		lean
1981	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	14	12	yes	1	29	good	no	yes		lean
1982	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	5	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1983	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	11	11	10	yes	2	17	good	no	yes		slight lean
1984	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	9	6	no	0	9	fair	no	yes		slight lean
1985	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	11	8	3	no	0	3	good	no	yes		lean
1986	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
1987	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	7	8	2	no	0	1	good	yes	yes		no
1988	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	12	6	no	0	3	good	no	yes		lean
1989	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	11	6	no	0	9	good	yes	yes		slight lean
1990	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	11	5	no	0	12	good	no	yes		slight lean
1992	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	12	9	yes	1	7	good	no	yes		lean
1993	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
1994	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	9	3	no	0	3	good	no	yes		slight lean
1995	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	13	8	no	0	12	good	no	yes		slight lean
1996	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	4	3	2	no	0	1	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
1997	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	12	12	yes	1	16	good	no	yes		extreme lean
1998	western Joshua tree	<i>Yucca brevifolia</i>	off-site	3/29/2022	yes	no	4	3	1	no	0	1	good	yes	yes		slight lean
1999	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	9	4	no	0	9	good	yes	yes		slight lean
2000	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	10	3	no	0	1	good	yes	yes		no
2001	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	10	13	n/a	no	0	5	dead; moderately aged	n/a	yes		n/a
2002	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	13	3	no	0	1	good	no	yes		no
2003	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	7	5	3	yes	0	1	good	yes	yes		no
2004	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	4	3	2	no	0	1	good	yes	yes		no
2005	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	5	2	no	0	1	good	no	yes		no
2006	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2007	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	13	5	yes	1	5	good	yes	yes		slight lean
2008	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	8	3	no	0	1	good	no	yes		no
2009	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	4	2	no	0	1	good	no	yes		slight lean
2010	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	3	4	3	no	0	1	good	no	yes		lean
2011	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	12	3	yes	1	3	good	no	yes		no
2012	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	10	3	no	0	1	good	no	yes		no
2013	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	14	7	yes	1	10	good	no	yes		lean
2014	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	12	6	no	0	6	good	no	yes		slight lean
2015	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	3	3	no	0	1	good	no	yes		no
2016	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	12	3	no	0	3	good	no	yes		slight lean
2017	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	4	2	no	0	1	good	yes	yes		slight lean
2018	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	9	4	no	0	10	good	yes	yes		no
2019	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	7	5	2	no	0	1	good	yes	yes		slight lean
2020	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	9	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2021	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	7	3	no	0	3	good	yes	yes		slight lean
2022	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	6	3	no	0	3	good	yes	yes		slight lean
2023	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	8	4	no	0	2	good	no	yes		slight lean
2024	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	11	6	yes	1	13	good	no	yes		slight lean
2026	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	10	8	5	no	0	8	good	yes	yes		slight lean
2027	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	11	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2028	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	10	14	6	yes	1	10	good	no	yes		no
2029	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	12	6	no	0	8	good	no	yes		no
2030	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2031	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	9	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2032	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	3	2	no	0	1	good	no	yes		slight lean
2033	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
2034	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
2035	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
2036	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	5	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2037	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	7	10	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
2038	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	12	5	no	0	8	good	no	yes		lean
2039	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	8	3	no	0	3	good	no	yes		slight lean
2040	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	10	16	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2041	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	13	8	no	0	11	fair	no	yes		slight lean
2042	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	4	4	2	no	0	1	good	yes	yes		no
2043	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	5	2	no	0	1	good	no	yes		no
2044	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	7	5	no	0	5	good	no	yes		slight lean
2045	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	7	5	3	yes	0	1	good	yes	yes		no
2046	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	9	4	no	0	5	poor	no	yes		slight lean
2047	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	9	11	no	0	7	fair	no	yes		slight lean
2048	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	8	4	yes	1	6	fair	no	yes		slight lean
2049	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
2050	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	12	11	11	no	0	11	fair	no	yes		lean
2051	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	9	14	8	no	0	13	fair	no	yes		slight lean
2052	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	4	2	no	0	1	good	no	yes		slight lean
2053	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	12	6	no	0	7	fair	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2054	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	10	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2055	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	8	3	yes	1	3	good	yes	yes		slight lean
2056	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	8	8	no	2	4	good	no	yes		extreme lean
2057	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	6	3	2	no	0	12	good	no	yes		slight lean
2058	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	6	2	no	0	1	good	yes	yes		slight lean
2059	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	12	12	no	0	8	fair	no	yes		extreme lean
2060	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	12	6	no	0	6	good	no	yes		lean
2061	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	8	10	4	no	0	1	good	no	yes		lean
2062	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2063	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	9	12	n/a	no	0	8	dead; moderately aged	n/a	yes		n/a
2064	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	6	2	yes	0	1	good	no	yes		no
2065	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	10	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2066	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2067	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	3	2	no	0	4	good	yes	yes		no
2068	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	5	3	no	0	1	good	yes	yes		slight lean
2069	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	7	7	3	no	0	2	good	yes	yes		slight lean
2070	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		no
2071	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	2	1	no	0	1	good	no	yes		slight lean
2072	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2073	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	16	16	11	yes	8	74	good	no	yes		slight lean
2074	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2075	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2076	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2077	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	8	2	no	0	3	good	yes	yes		slight lean
2078	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	10	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2079	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	3	2	no	0	1	good	no	yes		lean
2080	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	10	10	yes	1	4	fair	no	yes		no
2081	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	2	1	no	0	1	fair	no	yes		slight lean
2082	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	9	6	no	0	9	good	no	yes		no
2083	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	7	11	4	no	0	12	good	no	yes		slight lean
2084	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	9	14	8	no	0	30	poor	no	yes		slight lean
2085	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2086	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	10	12	n/a	no	0	7	dead; moderately aged	n/a	yes		n/a
2087	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	4	3	no	0	1	good	yes	yes		no
2088	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2089	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	12	14	n/a	no	0	16	dead; moderately aged	n/a	yes		n/a
2090	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
2091	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	6	6	2	no	0	1	good	no	yes		slight lean
2092	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	3	3	no	0	1	good	no	yes		crown leaning
2093	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	4	2	no	0	1	good	yes	yes		no
2094	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	8	13	4	no	0	7	good	yes	yes		slight lean
2095	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2096	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	10	14	n/a	no	0	32	dead; moderately aged	n/a	yes		n/a
2097	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	8	10	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
2098	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	5	5	3	no	0	1	good	no	yes		lean
2099	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	no	6	4	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2100	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	no	6	3	2	no	0	1	good	yes	yes		no
2101	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	10	3	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2102	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	10	4	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2103	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	10	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2104	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	9	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2105	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	12	12	n/a	no	0	6	dead; moderately aged	n/a	yes		n/a
2106	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	8	3	no	0	3	good	no	yes		lean
2107	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	12	14	n/a	no	0	16	dead; moderately aged	n/a	yes		n/a
2108	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	10	3	no	0	6	good	yes	yes		slight lean
2109	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	5	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2110	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	4	4	no	0	3	good	no	yes		no
2111	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2112	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	6	2	no	0	1	good	no	yes		slight lean
2113	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	16	15	no	0	16	fair	no	yes		lean
2114	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	4	3	no	0	1	good	no	yes		lean
2115	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	3	2	2	no	0	1	fair	no	yes		no
2116	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	3	2	2	no	0	1	fair	no	yes		no
2117	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	7	3	no	0	2	good	no	yes		no
2118	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	8	3	no	0	1	good	no	yes		slight lean
2119	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	6	6	2	no	0	1	good	no	yes		no
2120	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	5	3	yes	0	1	good	no	yes		lean
2121	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	2	no	0	1	good	yes	yes		slight lean
2122	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	4	2	no	0	1	good	yes	yes		no
2123	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	11	5	no	0	7	good	no	yes		lean
2124	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	4	5	no	0	2	good	no	yes		slight lean
2125	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	11	4	no	0	9	good	no	yes		lean
2126	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	8	5	no	0	4	good	no	yes		no
2127	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	6	2	no	0	1	good	no	yes		no
2128	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	11	18	10	no	0	42	good	no	yes		slight lean
2129	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	11	16	10	no	0	30	fair	no	yes		slight lean
2130	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	4	3	no	0	1	good	no	yes		lean
2131	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		no
2132	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	12	5	no	0	5	good	no	yes		slight lean
2133	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2134	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
2135	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
2136	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	10	15	n/a	no	0	16	dead; moderately aged	n/a	yes		n/a
2137	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
2138	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	5	2	no	0	1	good	no	yes		slight lean
2139	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	5	4	yes	0	2	good	no	yes		slight lean
2140	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
2141	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	12	7	no	0	1	good	no	yes		lean
2142	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	4	4	no	0	2	good	no	yes		slight lean
2143	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	5	3	no	0	2	good	no	yes		no
2144	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	6	2	no	0	1	good	no	yes		slight lean
2145	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	5	2	no	0	1	good	no	yes		no
2146	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	15	8	no	0	27	good	no	yes		slight lean
2147	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	7	2	no	0	1	good	yes	yes		slight lean
2148	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	7	6	2	no	0	1	dead; freshly fallen	n/a	yes		n/a
2149	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	5	7	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
2150	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	4	2	no	0	1	good	yes	yes		slight lean
2151	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
2152	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	4	2	no	0	1	good	yes	yes		slight lean
2153	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	3	no	0	5	good	yes	yes		slight lean
2154	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	2	1	no	0	1	good	yes	yes		no
2155	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
2156	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	5	5	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
2157	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	8	3	no	0	1	good	no	yes		lean
2158	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	9	4	no	0	4	good	no	yes		lean
2159	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	6	2	no	0	1	good	yes	yes		no
2160	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	9	5	yes	1	7	good	no	yes		lean
2161	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	9	5	yes	1	10	good	no	yes		lean
2162	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	9	4	no	0	3	good	yes	yes		slight lean
2163	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2164	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	2	3	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2165	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	10	4	yes	1	7	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2166	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	2	1	no	0	1	good	yes	yes		no
2167	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	4	2	no	0	1	good	yes	yes		slight lean
2168	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	4	4	no	0	2	good	yes	yes		slight lean
2169	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	14	7	no	0	14	good	yes	yes		slight lean
2170	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	9	2	no	0	3	good	yes	yes		slight lean
2171	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2172	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	2	no	0	1	good	yes	yes		slight lean
2173	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	5	2	no	0	1	good	yes	yes		slight lean
2174	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	3	3	1	yes	0	1	good	yes	yes		slight lean
2175	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
2176	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	12	7	no	0	8	good	yes	yes		slight lean
2178	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	7	2	no	0	1	good	yes	yes		no
2179	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	10	3	no	0	2	good	yes	yes		slight lean
2180	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	9	3	no	0	1	good	no	yes		slight lean
2181	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	6	2	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2182	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	10	3	no	0	3	good	yes	yes		slight lean
2183	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	10	2	no	0	1	good	yes	yes		no
2184	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	6	3	no	0	1	good	yes	yes		slight lean
2185	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	5	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2186	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2187	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	3	2	yes	0	1	good	no	yes		lean
2188	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	11	3	no	0	4	good	yes	yes		slight lean
2189	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	11	4	no	0	5	good	yes	yes		slight lean
2190	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	9	4	no	0	4	good	yes	yes		no
2191	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	5	2	no	0	1	good	no	yes		no
2192	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	10	4	yes	1	5	good	no	yes		lean
2193	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2194	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	9	3	no	0	3	good	no	yes		lean
2195	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	4	2	1	no	0	1	good	no	yes		no
2196	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2197	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	12	12	no	0	7	good	no	yes		lean
2198	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2199	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	8	3	no	0	4	good	no	yes		no
2200	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	4	2	yes	0	1	good	no	yes		slight lean
2201	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	7	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2202	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	12	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
2203	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	4	2	2	no	0	1	good	yes	yes		no
2204	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	12	5	no	0	8	good	yes	yes		slight lean
2205	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	9	3	yes	0	1	good	yes	yes		no
2206	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	12	9	yes	2	31	good	yes	yes		slight lean
2207	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	12	8	no	0	12	good	yes	yes		slight lean
2208	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
2209	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	6	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2210	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	3	2	no	0	1	good	no	yes		lean
2211	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	7	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2212	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	2	no	0	1	good	yes	yes		slight lean
2213	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	2	no	0	1	good	yes	yes		slight lean
2214	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	10	10	no	0	8	dead; standing	n/a	yes		extreme lean
2215	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	10	2	no	0	1	good	yes	yes		slight lean
2216	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	6	2	no	0	1	good	yes	yes		slight lean
2217	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	8	3	no	0	1	good	yes	yes		slight lean
2218	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	3	2	no	0	1	good	yes	yes		slight lean
2219	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	7	2	no	0	1	good	yes	yes		slight lean
2220	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	3	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2221	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	5	13	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2222	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	11	4	yes	1	4	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2223	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	13	5	no	0	7	good	yes	yes		slight lean
2224	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	4	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2225	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	12	5	no	0	7	good	yes	yes		slight lean
2226	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	10	3	no	0	4	good	yes	yes		slight lean
2227	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	4	2	no	0	1	good	yes	yes		slight lean
2228	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	10	3	no	0	3	good	yes	yes		no
2229	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	9	13	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2230	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	2	yes	1	1	good	yes	yes		slight lean
2231	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	10	10	yes	1	9	fair	no	yes		extreme lean
2232	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	13	10	yes	1	17	good	yes	yes		slight lean
2233	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	4	4	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
2234	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2235	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	10	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2236	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2237	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	3	1	1	no	0	1	dead; standing	n/a	yes		no
2238	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	10	3	yes	2	3	good	no	yes		lean
2239	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	9	3	yes	0	3	good	no	yes		lean
2240	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	9	2	no	0	1	good	yes	yes		slight lean
2241	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	2	yes	0	3	good	yes	yes		slight lean
2242	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	3	2	1	no	0	1	dead; standing	n/a	yes		no
2243	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	5	2	2	no	0	1	dead; standing	n/a	yes		no
2244	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	4	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2245	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	8	4	no	0	1	good	no	yes		lean
2246	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	6	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2247	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	10	4	yes	1	3	good	no	yes		lean
2248	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
2249	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	8	10	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
2250	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	10	10	no	0	2	good	no	yes		extreme lean
2251	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	8	10	n/a	no	0	6	dead; moderately aged	n/a	yes		n/a
2252	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	13	6	no	0	6	good	no	yes		lean
2253	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	9	14	n/a	no	0	11	dead; moderately aged	n/a	yes		n/a
2254	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	3	2	no	0	1	good	no	yes		no
2255	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	8	2	no	0	1	good	no	yes		slight lean
2256	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	10	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2257	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	13	12	yes	3	12	poor	no	yes		lean
2258	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	9	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2259	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	4	no	0	2	fair	no	yes		no
2260	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	10	15	n/a	no	0	16	dead; moderately aged	n/a	yes		n/a
2261	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	3	1	no	0	1	good	no	yes		slight lean
2262	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	12	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
2263	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	11	18	10	no	0	18	poor	no	yes		slight lean
2264	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	12	5	yes	1	7	good	no	yes		lean
2265	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	12	5	no	0	4	good	yes	yes		slight lean
2266	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	2	no	0	1	good	yes	yes		slight lean
2267	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	12	10	no	0	6	poor	no	yes	cavity in trunk	slight lean
2268	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	10	6	no	0	4	good	yes	yes		slight lean
2269	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	9	3	no	0	3	good	yes	yes		slight lean
2270	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	3	no	0	3	good	yes	yes		slight lean
2271	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	9	15	12	yes	1	21	good	yes	yes		slight lean
2272	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	8	3	no	0	1	good	yes	yes		slight lean
2273	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	10	4	no	0	4	good	yes	yes		slight lean
2274	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	16	12	yes	1	36	good	no	yes		lean
2275	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	8	3	no	0	1	good	no	yes		slight lean
2276	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	8	6	yes	1	9	good	yes	yes		slight lean
2277	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	6	3	2	no	0	1	good	yes	yes		no
2278	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	6	4	2	no	0	1	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2279	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	6	3	2	no	0	1	good	no	yes		slight lean
2280	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	5	2	1	no	0	1	good	yes	yes		no
2281	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	8	5	yes	1	6	good	yes	yes		no
2282	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	7	8	n/a	no	0	5	dead; moderately aged	n/a	yes		n/a
2283	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	7	8	n/a	no	0	6	dead; moderately aged	n/a	yes		n/a
2284	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	6	4	2	no	0	1	good	no	yes		slight lean
2285	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2286	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	5	3	4	no	0	2	good	yes	yes		slight lean
2287	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	4	2	1	no	0	1	good	yes	yes		slight lean
2288	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	9	7	no	0	6	good	yes	yes		slight lean
2289	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	9	12	n/a	no	0	11	dead; moderately aged	n/a	yes		n/a
2290	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	5	3	no	0	1	good	yes	yes		slight lean
2291	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	10	16	10	yes	2	38	good	no	yes		slight lean
2292	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2293	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2294	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	9	12	8	yes	1	22	good	no	yes		lean
2295	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	8	10	5	yes	1	9	good	no	yes		lean
2296	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	8	11	11	yes	2	12	good	no	yes		lean
2297	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	8	2	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2298	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	10	16	13	yes	3	21	good	no	yes		no
2299	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	6	1	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2300	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	6	6	2	no	0	1	good	no	yes		lean
2301	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	4	2	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2302	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	6	1	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2303	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	7	4	3	no	0	2	good	no	yes		no
2304	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	7	10	3	no	0	3	dead; freshly fallen	n/a	yes		n/a
2305	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	5	5	3	no	0	1	good	no	yes		lean
2306	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	6	8	3	no	0	3	good	no	yes		lean
2307	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	5	7	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
2308	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	yes	6	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2309	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2310	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2311	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	4	4	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2312	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	10	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2313	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	9	14	8	yes	1	10	good	no	yes		lean
2314	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
2315	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	yes	6	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2316	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	8	3	no	0	3	good	yes	yes		slight lean
2317	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	9	12	7	yes	2	19	good	yes	yes		no
2318	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	6	4	2	no	0	1	good	yes	yes		slight lean
2319	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	6	4	2	no	0	1	good	yes	yes		slight lean
2320	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	yes	9	10	n/a	no	0	10	dead; moderately aged	n/a	yes		n/a
2321	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	7	8	2	yes	1	1	good	no	yes		no
2322	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	8	14	15	yes	1	21	good	no	yes		lean
2323	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	12	8	no	0	9	good	yes	yes		slight lean
2324	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	8	12	7	no	0	9	good	no	yes		lean
2325	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	yes	3	1	1	no	0	1	good	no	yes		no
2326	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	4	3	1	no	0	1	good	yes	yes		no
2327	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	12	10	8	yes	3	12	fair	no	yes	mammal burrow at base	lean
2328	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	4	6	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
2329	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	11	8	10	no	0	5	fair	no	yes		lean
2330	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	9	13	10	no	0	14	good	no	yes		slight lean
2331	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	5	6	3	no	0	1	good	no	yes		lean
2332	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	6	9	4	no	0	3	good	no	yes		lean
2333	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	yes	10	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2334	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	4	3	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2335	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	7	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2336	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	6	6	4	no	0	2	good	no	yes		lean
2337	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2338	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	11	12	yes	1	5	fair	no	yes		extreme lean
2339	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	10	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2340	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	10	11	12	yes	2	8	poor	no	yes		extreme lean
2341	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	8	5	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2342	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	7	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2343	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	7	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2344	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	6	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2345	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	9	11	5	no	0	5	good	yes	yes		slight lean
2346	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	9	13	6	yes	1	7	good	yes	yes		slight lean
2347	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	5	4	4	no	0	2	good	yes	yes		slight lean
2348	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	9	13	11	yes	3	20	good	no	yes		no
2349	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	6	5	3	no	0	1	good	no	yes		slight lean
2350	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	7	8	2	no	0	1	good	yes	yes		slight lean
2351	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	2	2	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
2352	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	10	11	10	no	0	18	good	yes	yes		no
2353	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	9	14	10	yes	2	29	good	yes	yes		slight lean
2354	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	11	14	12	no	0	50	good	no	yes		no
2355	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	7	10	8	no	0	5	good	no	yes		slight lean
2356	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	11	15	14	yes	1	21	good	no	yes		slight lean
2357	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	9	14	13	no	0	11	fair	no	yes		lean
2358	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	7	11	6	no	0	5	good	no	yes		slight lean
2359	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	7	13	12	no	0	6	poor	no	yes		lean
2360	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	no	8	9	3	yes	1	3	good	yes	yes		no
2361	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	no	no	10	15	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2362	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	8	12	6	no	0	6	poor	no	yes		lean
2363	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	6	6	8	no	0	5	fair	no	yes		extreme lean
2364	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	7	5	6	no	0	3	good	no	yes		lean
2365	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/31/2022	yes	yes	6	4	3	no	0	1	good	no	yes		lean
2366	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	10	10	no	0	5	good	no	yes		extreme lean
2367	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	4	2	1	no	0	1	good	yes	yes		no
2368	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	10	12	10	yes	2	11	good	no	yes		lean
2369	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	4	4	2	no	0	1	good	yes	yes		slight lean
2370	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	8	8	15	no	0	12	fair	no	yes		no
2371	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	14	14	yes	2	34	good	no	yes		slight lean
2372	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	5	2	no	0	1	good	no	yes		slight lean
2373	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	8	2	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2374	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	6	2	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2375	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	6	6	2	no	0	1	good	yes	yes		no
2376	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	4	2	1	no	0	1	good	no	yes		slight lean
2377	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	8	3	yes	1	3	good	no	yes		slight lean
2378	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	2	1	1	no	0	1	good	yes	yes		slight lean
2379	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	4	3	2	no	0	1	good	yes	yes		no
2380	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	10	4	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2381	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	7	5	no	0	7	poor	no	yes		slight lean
2382	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	5	1	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2383	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	8	3	yes	2	4	good	no	yes		slight lean
2384	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	8	10	3	no	0	3	good	yes	yes		slight lean
2385	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	5	1	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2386	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	7	2	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2387	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	3	3	no	0	2	good	no	yes		slight lean
2388	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	6	3	n/a	no	0	7	dead; moderately aged	n/a	yes		n/a
2389	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	5	4	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
2390	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	10	14	8	yes	4	16	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2391	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	8	4	yes	2	3	good	no	yes		no
2392	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	13	8	yes	3	17	good	no	yes		no
2393	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	10	4	yes	1	6	good	no	yes		slight lean
2394	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	8	11	6	yes	1	10	good	yes	yes		slight lean
2395	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	7	3	no	0	1	good	no	yes		slight lean
2396	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	5	1	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
2397	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	6	2	no	0	1	good	no	yes		slight lean
2398	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	4	4	no	0	5	poor	no	yes		lean
2399	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
2400	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
2401	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	10	6	no	0	8	good	no	yes		no
2402	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	5	1	n/a	no	0	6	dead; moderately aged	n/a	yes		n/a
2403	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	4	3	1	no	0	1	good	no	yes		no
2404	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	4	3	1	no	0	1	good	no	yes		slight lean
2405	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	8	4	no	0	3	good	no	yes		slight lean
2406	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
2407	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	9	4	no	0	4	good	no	yes		slight lean
2408	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	4	5	2	no	0	1	good	no	yes		slight lean
2409	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	7	2	no	0	1	good	no	yes		slight lean
2410	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	8	3	no	0	3	good	no	yes		lean
2411	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
2412	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	9	4	no	0	3	good	no	yes		lean
2413	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	5	3	no	0	2	good	no	yes		slight lean
2414	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	6	2	no	0	1	good	no	yes		slight lean
2415	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	8	3	no	0	1	good	no	yes		lean
2416	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	4	2	2	no	0	1	good	no	yes		no
2417	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	10	6	no	0	6	good	no	yes		lean
2418	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	10	12	no	0	9	good	no	yes		extreme lean
2419	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
2420	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	9	3	no	0	3	good	no	yes		no
2421	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	9	4	no	0	3	good	no	yes		lean
2422	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	5	2	no	0	1	good	no	yes		no
2423	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	6	4	no	0	2	good	no	yes		slight lean
2424	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	3	3	no	0	2	good	no	yes		slight lean
2425	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	4	3	1	no	0	1	good	no	yes		no
2426	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	10	8	no	0	7	good	no	yes		slight lean
2427	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	13	6	no	0	12	good	no	yes		lean
2428	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	13	9	no	0	24	fair	no	yes		lean
2429	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	6	4	no	0	3	good	no	yes		slight lean
2430	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	9	3	no	0	4	good	no	yes		slight lean
2431	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	4	2	1	no	0	1	good	no	yes		no
2432	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	6	2	no	0	1	good	no	yes		no
2433	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	6	2	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2434	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	8	9	6	no	0	7	poor	no	yes		lean
2435	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	10	8	6	yes	2	7	good	no	yes		slight lean
2436	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	7	3	yes	1	3	good	no	yes		slight lean
2437	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
2438	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	12	6	yes	1	8	good	no	yes		slight lean
2439	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	9	3	no	1	3	good	no	yes		slight lean
2440	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	3	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2441	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	12	7	no	0	12	good	no	yes		slight lean
2442	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	11	7	yes	1	8	good	no	yes		slight lean
2443	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	6	3	no	0	3	good	no	yes		slight lean
2444	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	10	12	no	0	13	fair	no	yes		slight lean
2445	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	3	1	no	0	1	good	no	yes		no
2446	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2447	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	5	3	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2448	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	4	3	1	no	0	1	good	no	yes		slight lean
2449	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	11	7	yes	1	7	good	no	yes		slight lean
2450	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	9	2	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2451	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	8	4	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2452	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	8	14	8	yes	2	19	fair	no	yes		lean
2453	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	9	10	6	no	0	10	good	yes	yes		slight lean
2454	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	4	4	2	no	0	1	good	no	yes		no
2455	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	11	6	no	0	11	good	no	yes		slight lean
2456	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	3	2	1	no	0	1	good	no	yes		no
2457	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	5	3	3	no	0	2	good	yes	yes		no
2458	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	4	10	no	0	11	poor	no	yes		extreme lean
2459	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	8	4	no	0	4	good	no	yes		lean
2460	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	5	3	1	no	0	1	good	no	yes		slight lean
2461	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	10	6	no	0	5	good	no	yes		lean
2462	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	8	5	no	0	6	good	no	yes		lean
2463	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	5	1	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2464	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	8	8	10	no	0	5	dead; freshly fallen	n/a	yes		n/a
2465	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	9	3	yes	1	3	good	no	yes		slight lean
2466	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	5	3	no	0	1	good	no	yes		no
2467	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	9	3	n/a	no	0	6	dead; moderately aged	n/a	yes		n/a
2468	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	8	7	3	yes	1	1	good	yes	yes		slight lean
2469	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	10	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2470	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	9	6	no	0	9	good	no	yes		slight lean
2471	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	11	7	no	0	14	good	no	yes		slight lean
2472	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	10	8	3	no	0	3	good	no	yes		slight lean
2473	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	8	1	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2474	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	12	10	no	0	10	fair	no	yes		lean
2475	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	8	3	no	0	3	good	no	yes		slight lean
2476	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	11	6	no	0	15	good	no	yes		slight lean
2477	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	9	5	no	0	5	good	no	yes		slight lean
2478	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	3	1	1	no	0	1	good	no	yes		no
2479	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	9	8	no	0	8	good	no	yes		extreme lean
2480	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	8	1	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2481	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	10	11	8	no	0	7	critical	no	yes		slight lean
2482	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	6	3	2	no	0	1	good	no	yes		no
2483	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	10	10	no	0	10	poor	no	yes		extreme lean
2484	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	6	1	n/a	no	0	8	dead; moderately aged	n/a	yes		n/a
2485	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	16	8	no	0	29	fair	no	yes		slight lean
2486	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	8	3	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2487	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	9	9	6	no	0	4	good	no	yes		lean
2488	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	4	2	2	no	0	2	good	yes	yes		no
2489	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	11	9	no	0	10	fair	no	yes		extreme lean
2490	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	9	8	5	no	0	5	good	no	yes		lean
2491	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	11	2	n/a	no	0	15	dead; moderately aged	n/a	yes		n/a
2492	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	10	12	10	no	0	11	poor	no	yes		slight lean
2493	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	12	10	no	0	9	poor	no	yes		slight lean
2494	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	10	10	3	no	0	3	good	yes	yes		slight lean
2495	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	10	12	10	no	0	12	good	no	yes		lean
2496	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	10	1	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2497	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	1	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
2498	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	9	12	12	no	0	8	poor	no	yes		extreme lean
2499	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	11	13	8	yes	1	15	good	no	yes		lean
2500	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	9	11	6	no	0	6	good	no	yes		lean
2501	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	6	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2502	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	3	4	no	0	1	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2503	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2504	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	5	5	no	0	1	good	yes	yes		slight lean
2505	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2506	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2507	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	7	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2508	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	7	7	no	0	3	good	no	yes		slight lean
2509	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	11	11	yes	2	15	good	no	yes		no
2510	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	5	4	no	0	1	good	no	yes		lean
2511	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	5	4	no	0	1	good	no	yes		no
2512	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	14	27	yes	2	24	good	no	yes		lean
2513	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	3	3	no	0	1	good	no	yes		no
2514	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	4	4	no	0	1	good	no	yes		no
2515	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	13	9	no	0	11	good	no	yes		slight lean
2516	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	13	7	no	0	8	good	no	yes		lean
2517	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2518	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	14	12	yes	2	37	good	no	yes		slight lean
2519	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	10	8	yes	1	7	good	no	yes		slight lean
2520	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	4	3	no	0	1	good	no	yes		no
2521	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	5	4	no	0	1	good	no	yes		no
2522	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	10	8	no	0	5	good	no	yes		no
2523	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	8	7	yes	1	4	good	no	yes		lean
2524	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	3	3	no	0	1	good	no	yes		extreme lean
2525	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	8	7	no	0	1	good	no	yes		lean
2526	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	12	15	yes	4	20	good	no	yes		extreme lean
2527	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	7	5	no	0	1	good	no	yes		lean
2528	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	13	11	yes	1	28	good	no	yes		no
2529	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	7	5	no	0	3	good	no	yes		lean
2530	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	4	3	no	0	1	good	no	yes		slight lean
2531	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	5	3	no	0	1	good	no	yes		slight lean
2532	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	11	15	15	yes	1	49	good	no	yes		no
2533	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	8	7	yes	1	3	good	no	yes		slight lean
2534	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	11	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2535	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	12	16	13	yes	3	24	fair	no	yes		no
2536	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	3	2	3	no	0	1	good	no	yes		slight lean
2537	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	12	17	yes	6	26	good	no	yes		lean
2538	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	10	10	yes	1	6	good	no	yes		slight lean
2539	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	10	6	yes	2	6	good	no	yes		slight lean
2540	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	10	6	no	0	3	good	no	yes		slight lean
2541	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	10	6	no	0	3	good	no	yes		lean
2542	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	10	6	no	0	3	good	no	yes		slight lean
2543	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2544	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	7	3	no	0	1	good	no	yes		no
2545	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	11	12	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2546	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	3	2	3	no	0	1	good	no	yes		no
2547	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	4	2	3	no	0	1	good	yes	yes		slight lean
2548	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	4	3	4	no	0	1	good	yes	yes		slight lean
2549	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	5	5	no	0	3	dead; standing	n/a	yes		no
2550	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	8	4	no	0	1	good	no	yes		lean
2551	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	8	4	no	0	1	good	no	yes		lean
2552	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	13	10	yes	1	26	good	no	yes		slight lean
2553	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	5	5	no	0	1	good	no	yes		no
2554	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	9	8	no	0	5	good	no	yes		no
2555	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	7	5	no	0	1	good	no	yes		no
2556	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	15	14	yes	1	23	good	no	yes		slight lean
2557	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	7	5	no	0	1	good	no	yes		lean
2558	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	12	17	yes	1	12	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2559	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	7	12	no	0	9	fair	no	yes		lean
2560	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	3	2	3	no	0	1	good	no	yes		slight lean
2561	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	12	20	no	0	20	good	no	yes		extreme lean
2562	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	11	9	no	0	6	good	no	yes		lean
2563	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	11	8	no	0	9	good	no	yes		lean
2564	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	9	5	no	0	4	good	no	yes		lean
2565	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	14	12	yes	1	13	good	no	yes		slight lean
2566	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	11	19	no	0	25	fair	no	yes		extreme lean
2567	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	10	7	no	0	8	good	no	yes		lean
2568	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	12	9	no	0	12	good	no	yes		slight lean
2569	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	13	26	yes	5	70	good	no	yes		no
2570	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	12	12	no	0	15	fair	no	yes		extreme lean
2571	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	10	5	no	0	4	good	no	yes		slight lean
2572	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	13	10	yes	1	8	good	no	yes		lean
2573	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	13	13	17	yes	1	25	fair	no	yes		extreme lean
2574	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	13	10	no	0	24	good	no	yes		slight lean
2575	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	12	11	yes	1	17	good	no	yes		slight lean
2576	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	12	8	yes	1	6	good	no	yes		lean
2577	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	7	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2578	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	10	12	14	yes	2	23	good	no	yes		lean
2579	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	no	5	3	3	yes	0	1	good	yes	yes		no
2580	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2581	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	5	6	no	0	1	good	no	yes		slight lean
2582	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	7	6	no	0	3	good	no	yes		slight lean
2583	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	3	3	no	0	1	good	no	yes		no
2584	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	no	5	13	7	no	0	9	good	no	yes		lean
2585	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	5	3	no	0	1	good	no	yes		no
2586	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2587	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	3	2	3	no	0	1	good	no	yes		slight lean
2588	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	3	2	4	no	0	1	good	no	yes		slight lean
2589	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	3	2	4	no	0	1	good	no	yes		slight lean
2590	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2591	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	5	6	no	0	1	good	no	yes		slight lean
2592	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2593	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	4	5	3	no	0	1	good	no	yes		no
2594	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	6	3	no	0	1	good	no	yes		no
2595	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	9	7	no	0	7	good	no	yes		slight lean
2596	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	5	7	no	0	1	good	no	yes		slight lean
2597	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	10	5	yes	1	3	good	no	yes		slight lean
2598	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	12	10	no	0	11	good	no	yes		slight lean
2599	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	13	10	yes	3	10	good	no	yes		slight lean
2600	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	13	10	yes	1	10	good	no	yes		lean
2701	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	3	1	3	no	0	1	good	no	yes		slight lean
2702	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	8	11	yes	1	15	fair	no	yes		lean
2703	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	11	11	yes	2	19	fair	no	yes		lean
2704	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	15	18	yes	4	21	good	no	yes		slight lean
2705	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	9	4	no	0	1	good	no	yes		lean
2706	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	4	4	3	no	0	1	good	no	yes		slight lean
2707	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	14	15	yes	4	22	good	no	yes		slight lean
2708	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	9	7	yes	1	3	good	no	yes		slight lean
2709	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	8	7	no	0	4	good	no	yes		slight lean
2710	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	6	7	no	0	1	good	no	yes		slight lean
2711	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	5	7	no	0	1	good	no	yes		slight lean
2712	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2713	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2714	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	12	10	no	0	19	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2715	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	13	11	yes	3	25	good	no	yes		lean
2716	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	12	10	no	0	14	dead; standing	n/a	yes		lean
2717	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	12	10	no	0	14	dead; standing	n/a	yes		lean
2718	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	11	14	no	0	32	good	no	yes		no
2719	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2720	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	8	8	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2721	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	15	17	yes	2	27	good	no	yes		slight lean
2722	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	10	10	17	no	0	9	fair	no	yes		slight lean
2723	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2724	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2725	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	14	13	no	0	25	good	no	yes		lean
2726	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2727	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	6	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2728	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	3	2	3	no	0	1	good	no	yes		slight lean
2729	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	5	4	4	no	0	1	good	no	yes		slight lean
2731	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	11	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2732	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2733	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	9	8	9	no	0	6	good	no	yes		extreme lean
2734	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	5	3	3	no	0	1	good	no	yes		slight lean
2735	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	7	13	10	no	0	6	good	no	yes		extreme lean
2736	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	yes	yes	12	15	9	yes	1	20	good	no	yes		slight lean
2737	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/30/2022	no	yes	4	2	2	no	0	1	good	no	yes		no
2801	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	11	2	2	no	0	1	good	yes	yes		no
2802	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	9	8	7	no	0	6	dead; standing	n/a	yes		slight lean
2803	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	1	1	1	no	0	1	good	yes	yes		no
2804	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	10	12	6	no	2	7	good	yes	yes		slight lean
2805	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	1	1	1	no	0	1	good	yes	yes		no
2806	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	11	7	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
2807	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	10	5	2	no	0	1	good	yes	yes		no
2808	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	8	10	n/a	no	5	5	dead; moderately aged	n/a	yes		n/a
2809	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	14	15	10	no	15	35	good	yes	yes		slight lean
2810	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	7	5	1	no	0	1	good	yes	yes		no
2811	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	11	10	4	no	0	4	good	yes	yes		no
2812	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	9	13	3	no	0	2	excellent	yes	yes		slight lean
2813	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	5	2	2	no	0	1	good	yes	yes		no
2814	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	3	1	1	yes	0	1	good	yes	yes		no
2815	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	12	10	3	no	0	1	good	yes	yes		no
2816	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	10	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
2817	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	15	9	2	no	0	1	excellent	yes	yes		no
2818	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	5	2	no	0	1	good	yes	yes		no
2819	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	14	7	3	no	0	1	excellent	yes	yes		no
2820	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	8	10	5	no	0	2	good	yes	yes		slight lean
2821	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	10	10	7	no	0	6	good	no	yes		slight lean
2822	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	11	15	10	no	3	11	good	no	yes		slight lean
2823	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	10	8	6	no	0	4	fair	no	yes		no
2824	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	yes	7	7	4	no	0	2	fair	no	yes		extreme lean
2825	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	5	2	2	no	0	1	excellent	yes	yes		no
2826	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	yes	7	5	2	no	0	1	good	yes	yes		no
2827	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	9	13	n/a	no	0	n/a	dead; moderately aged	n/a	yes		n/a
2828	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	no	no	9	5	3	no	0	1	good	yes	yes		no
2829	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	8	10	2	no	0	1	dead; freshly fallen	n/a	yes		n/a
2830	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/6/2022	yes	no	11	16	6	no	2	8	fair	no	yes		no
2831	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	8	2	no	0	1	good	no	yes		slight lean
2832	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	4	1	1	no	0	1	good	no	yes		no
2833	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	7	7	n/a	no	0	2	dead; moderately aged	n/a	yes		n/a
2834	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	8	8	2	no	0	2	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2835	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	8	12	9	no	0	4	fair	no	yes		slight lean
2836	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	10	14	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2837	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2838	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	7	1	yes	1	2	poor	no	yes		no
2839	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	8	15	6	yes	2	5	fair	no	yes		lean
2840	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	5	1	no	0	1	fair	no	yes		lean
2841	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	7	14	4	no	0	4	good	yes	yes		no
2842	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	6	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2843	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2844	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	8	13	6	no	1	4	good	no	yes		slight lean
2845	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	8	11	5	no	0	3	fair	no	yes		slight lean
2846	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	n/a	n/a	dead; severely aged	n/a	yes		n/a
2847	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2848	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2849	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	10	12	5	no	2	3	good	no	yes		slight lean
2850	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	10	15	7	no	0	6	fair	no	yes		slight lean
2851	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	10	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2852	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	8	16	5	yes	1	5	fair	no	yes		no
2853	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	8	6	2	no	0	1	good	no	yes		no
2854	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2855	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	7	13	6	yes	1	10	good	no	yes		lean
2856	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2857	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	6	11	4	no	0	4	critical	no	yes		no
2858	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2859	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	9	6	no	1	4	poor	no	yes		lean
2860	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	10	15	10	no	2	10	fair	no	yes		lean
2861	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	16	12	no	5	11	good	no	yes		extreme lean
2862	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	9	7	3	no	0	2	good	yes	yes		slight lean
2863	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	8	5	4	no	0	2	poor	no	yes		no
2864	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	8	8	3	no	0	2	good	yes	yes		no
2865	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	9	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2866	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	8	10	6	no	0	5	fair	no	yes		extreme lean
2867	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	6	8	2	no	0	1	good	yes	yes		slight lean
2868	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	10	18	10	no	5	18	good	no	yes		no
2869	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	5	1	no	0	1	good	no	yes		no
2870	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	15	4	no	0	6	good	no	yes		slight lean
2871	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2872	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	8	13	4	no	0	11	fair	no	yes		extreme lean
2873	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	10	10	9	no	0	23	fair	no	yes		no
2874	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	7	1	no	0	3	good	no	yes		no
2875	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	8	8	1	no	0	1	poor	no	yes		lean
2876	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	11	7	2	no	0	1	good	no	yes		lean
2877	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	5	5	2	no	0	1	good	yes	yes		no
2878	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	3	2	no	0	1	good	no	yes		no
2879	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	10	7	no	0	6	poor	no	yes		extreme lean
2880	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	11	8	no	1	6	good	no	yes		no
2881	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2882	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	9	4	no	0	5	good	no	yes		slight lean
2883	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	11	8	yes	1	10	good	no	yes		no
2884	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	9	8	6	no	0	4	good	yes	yes		no
2885	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	6	6	2	no	0	1	good	yes	yes		no
2886	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	8	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2887	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	8	4	no	0	2	good	no	yes		no
2888	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	1	1	1	yes	0	1	good	yes	yes		no
2889	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	10	8	no	1	10	good	no	yes		no
2890	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	10	7	4	no	0	3	good	yes	yes		no

DBH: diameter at breast height; ft: feet
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b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2891	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	9	4	no	0	3	fair	no	yes		slight lean
2892	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	3	1	no	0	1	fair	no	yes		lean
2893	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	10	4	3	no	0	1	good	no	yes		no
2894	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	4	2	1	no	0	1	good	no	yes		no
2895	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	7	2	no	0	1	fair	no	yes		no
2896	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2897	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	10	10	10	no	0	8	good	no	yes		extreme lean
2898	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	7	4	3	no	0	2	good	no	yes		no
2899	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	7	2	no	0	2	good	no	yes		no
2900	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2901	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	4	3	1	no	0	1	good	no	yes		lean
2902	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
2903	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
2904	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	6	4	3	no	0	1	good	no	yes		no
2905	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	3	2	2	yes	0	1	good	no	yes		no
2906	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	8	6	3	no	0	1	good	no	yes		no
2907	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	7	6	2	no	0	1	good	no	yes		no
2908	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	10	7	3	no	0	1	fair	no	yes		no
2909	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	8	3	no	0	2	good	no	yes		no
2910	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	6	2	no	0	2	good	no	yes		no
2911	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	9	7	5	no	1	4	good	yes	yes		no
2912	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	4	3	2	no	0	1	good	yes	yes		no
2913	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	5	4	3	no	0	2	good	yes	yes		no
2914	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	7	9	6	no	0	5	good	yes	yes		no
2915	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		no
2916	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	9	12	9	no	0	12	poor	no	yes		no
2917	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	10	7	no	0	7	fair	no	yes		no
2918	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	8	9	5	no	1	5	fair	no	yes		no
2919	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	10	9	5	yes	0	2	fair	no	yes		no
2920	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
2921	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	3	1	no	0	1	good	no	yes		no
2922	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	n/a	n/a	n/a	no	n/a	n/a	dead; severely aged	n/a	yes		n/a
2923	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	10	8	3	no	0	1	good	yes	yes		slight lean
2924	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	11	7	5	no	0	5	good	no	yes		no
2925	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	n/a	n/a	n/a	no	n/a	n/a	dead; severely aged	n/a	yes		n/a
2926	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	9	5	no	0	3	good	no	yes		no
2927	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	6	4	3	no	0	1	good	no	yes		no
2928	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	11	9	5	no	0	3	good	no	yes		lean
2929	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	8	8	5	no	0	5	good	no	yes		lean
2930	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	10	9	10	yes	3	13	poor	no	yes		extreme lean
2931	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	n/a	n/a	dead; severely aged	n/a	yes		n/a
2932	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	11	8	5	yes	1	9	good	no	yes		slight lean
2933	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	n/a	n/a	dead; severely aged	n/a	yes		n/a
2934	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	10	6	3	no	0	3	fair	no	yes		slight lean
2935	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	n/a	n/a	dead; moderately aged	n/a	yes		n/a
2936	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	4	2	1	no	0	1	good	no	yes		slight lean
2937	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	10	7	5	no	0	4	good	no	yes		extreme lean
2938	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	11	10	8	yes	2	8	good	no	yes		slight lean
2939	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	11	11	5	no	0	4	good	yes	yes		slight lean
2940	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	12	13	8	no	0	13	good	no	yes		slight lean
2941	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	n/a	n/a	dead; severely aged	n/a	yes		n/a
2942	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	12	9	4	no	0	4	good	yes	yes		slight lean
2943	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	5	2	no	0	1	good	no	yes		no
2944	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	n/a	n/a	dead; severely aged	n/a	yes		n/a
2945	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	12	9	4	no	0	4	good	no	yes		slight lean
2946	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	13	13	14	no	0	12	good	no	yes		extreme lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
2947	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	n/a	n/a	dead; severely aged	n/a	yes		n/a
2948	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	12	8	5	no	0	5	poor	no	yes		slight lean
2949	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	11	10	9	no	0	10	fair	no	yes		slight lean
2950	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	9	9	5	no	0	9	good	yes	yes		no
2951	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	11	11	3	yes	1	5	good	no	yes		no
2952	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	11	21	15	no	0	35	good	no	yes		slight lean
2953	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	10	9	8	no	0	6	fair	no	yes		extreme lean
2954	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	11	13	6	yes	1	13	fair	no	yes		no
2955	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	11	8	3	yes	1	3	good	no	yes		no
2956	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	11	6	3	no	0	5	poor	no	yes		no
2957	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	4	2	1	no	0	1	fair	no	yes		no
2958	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	11	13	11	yes	1	14	good	yes	yes		slight lean
2959	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	4	2	no	0	1	good	no	yes		no
2960	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2961	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	3	1	1	no	0	1	fair	no	yes		no
2962	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	11	13	7	yes	4	17	poor	no	yes		extreme lean
2963	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	7	5	2	no	0	2	good	yes	yes		no
2964	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	4	2	1	no	0	1	good	yes	yes		no
2965	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
2966	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; moderately aged	n/a	yes		n/a
2967	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	6	4	2	yes	0	1	good	yes	yes		slight lean
2968	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		no
2969	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	n/a	n/a	dead; severely aged	n/a	yes		n/a
2970	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	5	3	1	no	0	1	good	yes	yes		no
2971	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	4	2	no	0	2	good	no	yes		no
2972	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	12	13	12	yes	0	14	good	no	yes		no
2973	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	13	13	7	yes	1	12	good	no	yes		no
2974	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	11	14	7	yes	1	9	good	no	yes		no
2975	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	11	15	6	no	0	13	good	no	yes		no
2976	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	14	18	14	yes	2	35	good	no	yes		slight lean
2977	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	7	6	no	0	2	good	no	yes		slight lean
2978	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	8	4	no	0	2	good	no	yes		no
2979	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	7	4	no	0	2	good	no	yes		slight lean
2980	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	10	11	10	no	0	13	fair	no	yes		extreme lean
2981	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	6	4	2	no	0	1	good	yes	yes		no
2982	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	10	16	10	yes	3	28	fair	no	yes		extreme lean
2983	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
2984	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	9	13	6	yes	3	9	fair	no	yes		lean
2985	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	4	2	1	no	0	1	dead; standing	n/a	yes		no
2986	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	6	2	no	0	1	fair	no	yes		slight lean
2987	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	6	3	no	0	3	fair	no	yes		no
2988	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	10	14	11	yes	4	39	Poor	no	yes		no
2989	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	n/a	n/a	n/a	yes	n/a	n/a	dead; severely aged	n/a	yes		n/a
2990	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	no	10	13	10	yes	2	18	good	yes	yes		no
2991	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
2992	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
2993	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	9	8	6	yes	1	4	good	no	yes		no
2994	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	9	9	6	yes	1	7	good	no	yes		no
2995	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	7	12	n/a	yes	0	11	dead; moderately aged	n/a	yes		n/a
2996	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	no	12	17	10	yes	0	56	Poor	no	yes		no
2997	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
2998	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
2999	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	6	8	3	yes	0	1	good	no	yes		no
3000	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	7	11	6	yes	0	8	Fair	no	yes		no
3001	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3002	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	1	1	1	yes	1	1	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3003	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	9	11	8	yes	2	11	good	no	yes		no
3004	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	9	11	7	yes	2	13	Fair	no	yes		no
3005	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	10	15	10	yes	5	40	Fair	no	yes		no
3006	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		no
3007	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/24/2022	yes	yes	5	4	2	yes	0	1	good	no	yes		no
3008	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/24/2022	yes	no	6	10	5	yes	0	8	Fair	no	yes		no
3009	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/24/2022	yes	no	5	4	6	yes	0	5	good	yes	yes		no
3010	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/24/2022	yes	yes	7	13	14	yes	2	23	good	no	yes		no
3011	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	no	10	13	13	yes	4	24	good	yes	yes		no
3012	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/24/2022	yes	no	6	5	4	yes	0	3	good	yes	yes		no
3013	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/24/2022	yes	no	5	5	5	yes	0	5	good	yes	yes		no
3014	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/24/2022	yes	no	6	9	4	yes	0	9	Poor	no	yes		no
3015	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/24/2022	yes	yes	6	11	4	yes	0	10	Poor	no	yes		no
3016	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/24/2022	yes	yes	6	10	6	yes	0	10	Fair	no	yes		no
3017	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/24/2022	yes	yes	10	13	9	yes	3	26	good	no	yes		no
3018	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	10	18	10	yes	1	35	Poor	no	yes		no
3019	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	no	10	13	9	yes	3	24	good	yes	yes		no
3020	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	no	11	15	12	yes	0	54	Fair	no	yes		no
3021	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	13	16	14	yes	7	78	good	no	yes		no
3022	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	10	12	8	yes	1	19	good	no	yes		no
3023	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	10	10	6	yes	1	8	good	no	yes		no
3024	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	8	12	9	yes	3	13	good	no	yes		no
3025	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	11	14	12	yes	3	30	good	no	yes		no
3026	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	10	14	14	yes	3	34	good	no	yes		no
3027	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	9	7	7	yes	0	10	Poor	no	yes		no
3028	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	11	13	12	yes	2	24	Fair	no	yes		no
3029	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	9	13	11	yes	1	17	good	no	yes		no
3030	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	9	10	n/a	yes	0	16	dead; moderately aged	n/a	yes		n/a
3031	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	8	15	8	yes	1	24	Poor	no	yes		no
3032	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3033	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	8	10	8	yes	0	14	Fair	no	yes		no
3034	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	8	12	11	yes	1	22	Poor	no	yes		no
3035	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3036	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	10	13	9	yes	2	10	good	yes	yes		no
3037	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3038	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	6	5	3	yes	0	1	good	yes	yes		no
3039	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	11	14	12	yes	3	19	good	yes	yes		no
3040	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	10	11	7	yes	0	9	good	yes	yes		no
3041	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	no	no	10	11	7	yes	0	11	good	yes	yes		no
3042	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	12	15	20	yes	5	100+	Fair	no	yes		no
3043	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/24/2022	yes	yes	8	8	4	yes	0	3	good	no	yes		no
3044	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	7	9	9	yes	1	12	good	no	yes		extreme lean
3045	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		no
3046	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3047	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	7	13	7	yes	1	26	good	no	yes		slight lean
3048	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	16	8	yes	0	29	good	no	yes		slight lean
3049	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3050	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	9	13	12	yes	0	46	poor	no	yes		no
3051	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	7	13	4	yes	0	7	good	yes	yes		slight lean
3052	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3053	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	10	8	6	yes	0	6	poor	no	yes		slight lean
3054	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	9	15	15	yes	0	16	fair	no	yes		extreme lean
3055	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	7	9	4	yes	0	5	fair	no	yes		lean
3056	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3057	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3058	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3059	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3060	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3061	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3062	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	15	11	yes	0	27	fair	no	yes		no
3063	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	10	9	yes	0	16	poor	no	yes		slight lean
3064	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3065	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3066	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3067	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	7	11	4	yes	1	6	good	yes	yes		slight lean
3068	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		slight lean
3069	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	14	8	yes	2	15	fair	no	yes		slight lean
3070	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3071	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3072	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3073	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	8	13	7	yes	0	16	good	no	yes		lean
3074	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	8	13	8	yes	1	9	good	yes	yes		slight lean
3075	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3076	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	9	8	3	yes	0	1	good	no	yes		no
3077	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
3078	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3079	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	11	3	yes	0	3	good	no	yes		slight lean
3080	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	10	14	n/a	yes	0	14	dead; moderately aged	n/a	yes		n/a
3081	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	9	2	yes	0	1	good	no	yes		slight lean
3082	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	6	6	2	yes	0	1	good	no	yes		slight lean
3083	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		slight lean
3084	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	6	7	2	yes	0	1	good	no	yes		slight lean
3085	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	10	14	9	yes	0	10	good	yes	yes		slight lean
3086	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3087	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	9	13	10	yes	2	7	good	no	yes		lean
3088	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3089	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	7	8	4	yes	0	8	poor	no	yes		lean
3090	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	6	6	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
3091	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	10	14	7	yes	0	7	good	no	yes		slight lean
3092	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	13	14	14	yes	1	41	good	no	yes		no
3093	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3094	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	4	3	2	yes	0	1	good	no	yes		slight lean
3095	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	6	4	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
3096	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	10	13	10	yes	1	12	good	no	yes		lean
3101	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	10	10	9	yes	0	29	fair	no	yes		slight lean
3102	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3103	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3104	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	10	10	9	yes	2	12	good	yes	yes		slight lean
3105	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	7	8	2	yes	0	3	good	no	yes		no
3106	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	3	4	2	yes	0	1	good	no	yes		slight lean
3107	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3108	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3109	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	4	2	1	yes	0	1	good	yes	yes		no
3110	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3111	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3112	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	5	6	2	yes	0	1	good	no	yes		no
3113	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3114	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3115	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	5	5	2	yes	0	1	good	yes	yes		no
3116	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	7	11	6	yes	0	5	good	no	yes		lean
3117	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	6	5	2	yes	0	1	good	no	yes		slight lean
3118	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	6	10	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3119	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3120	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	9	13	6	yes	0	9	critical	no	yes	newly fallen; still green but unlikely to survive	extreme lean
3121	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3122	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3123	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	7	6	2	yes	0	1	good	yes	yes		slight lean
3124	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		slight lean
3125	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	3	1	1	yes	0	1	dead; standing	n/a	yes		no
3126	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3127	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	9	13	7	yes	1	15	good	yes	yes		slight lean
3128	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	7	11	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
3129	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3130	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3131	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3132	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	7	7	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
3133	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3134	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	7	12	4	yes	0	12	good	no	yes		slight lean
3135	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3136	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3137	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3138	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3139	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	6	5	2	yes	0	1	good	yes	yes		no
3140	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3141	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3142	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	9	13	5	yes	0	6	good	no	yes		no
3143	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3144	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3145	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	9	13	7	yes	0	8	good	no	yes		slight lean
3146	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	5	4	2	yes	0	1	good	no	yes		slight lean
3147	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	11	5	yes	0	5	good	no	yes		lean
3148	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3149	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3150	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3151	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3152	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3153	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3154	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	4	4	1	yes	0	1	good	no	yes		no
3155	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3156	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3157	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3158	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3159	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3160	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3161	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3162	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3163	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3164	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3165	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	15	7	yes	1	10	good	no	yes		lean
3166	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	5	4	3	yes	0	1	good	no	yes		no
3167	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	3	2	1	yes	0	1	fair	no	yes		no
3168	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	14	8	yes	0	16	good	no	yes		slight lean
3169	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		no
3170	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	4	2	2	yes	0	2	good	yes	yes		no
3171	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3172	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		no
3173	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	7	6	2	yes	0	1	good	yes	yes		slight lean
3174	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	9	13	8	yes	0	15	poor	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3175	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	9	7	yes	0	10	fair	no	yes		slight lean
3176	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	11	8	yes	1	13	poor	no	yes		no
3177	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		no
3178	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	6	8	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
3179	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3180	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3181	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3182	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3183	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	7	5	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
3184	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	7	16	9	yes	0	19	fair	no	yes		no
3185	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	13	8	yes	0	15	dead; standing	n/a	yes		no
3186	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3187	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	9	10	5	yes	0	3	good	yes	yes		no
3188	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	6	2	yes	0	2	good	no	yes		no
3189	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	9	12	10	yes	1	10	good	yes	yes		slight lean
3190	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	9	8	2	yes	0	1	good	yes	yes		no
3191	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		no
3192	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		no
3193	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	12	4	yes	0	3	good	no	yes		no
3194	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	10	3	yes	0	3	good	no	yes		slight lean
3195	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	10	12	8	yes	0	8	good	no	yes		slight lean
3196	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	9	11	5	yes	0	3	good	no	yes		lean
3197	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	9	3	yes	0	1	good	no	yes		no
3198	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	10	3	yes	0	1	good	no	yes		slight lean
3199	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	12	7	yes	0	9	good	no	yes		lean
3200	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	8	13	13	yes	0	8	poor	no	yes		extreme lean
3201	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		no
3202	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	4	3	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
3203	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	13	9	yes	0	12	good	no	yes		lean
3204	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	12	5	yes	0	5	good	no	yes		slight lean
3205	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	8	13	7	yes	0	7	fair	no	yes		slight lean
3206	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	12	5	yes	0	5	good	no	yes		slight lean
3207	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	5	4	4	yes	0	2	good	yes	yes		no
3208	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	10	11	3	yes	0	3	good	no	yes		slight lean
3209	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	9	11	8	yes	1	7	good	no	yes		lean
3210	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3211	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	10	18	12	yes	1	72	poor	no	yes		lean
3212	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3213	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	14	12	yes	5	27	fair	no	yes		lean
3214	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3215	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	3	3	1	yes	0	1	dead; standing	n/a	yes		no
3216	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	8	3	yes	0	3	good	no	yes		slight lean
3217	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		no
3218	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		no
3219	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	6	8	4	yes	1	5	good	no	yes		slight lean
3220	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3221	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	6	9	5	yes	0	7	fair	no	yes		slight lean
3222	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	9	3	yes	0	7	good	no	yes		slight lean
3223	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	7	8	2	yes	0	4	good	yes	yes		no
3224	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3225	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	9	4	yes	0	6	good	no	yes		no
3226	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	4	4	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
3227	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	11	4	yes	1	5	good	no	yes		slight lean
3228	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3229	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3230	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	6	3	1	yes	0	1	dead; standing	n/a	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3231	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	7	7	yes	0	4	good	no	yes		extreme lean
3232	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3233	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	5	8	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
3234	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	5	8	5	yes	0	1	poor	no	yes		extreme lean
3235	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	10	19	14	yes	1	41	poor	no	yes		slight lean
3236	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
3237	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	6	4	2	yes	0	1	good	no	yes		lean
3238	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	9	15	12	yes	3	19	good	yes	yes		slight lean
3239	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	10	13	10	yes	0	8	good	no	yes		slight lean
3240	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	9	6	yes	0	5	good	no	yes		lean
3241	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	8	3	yes	0	1	good	no	yes		slight lean
3242	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	9	7	3	yes	0	1	good	yes	yes		slight lean
3243	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3244	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3245	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	12	6	yes	1	4	good	no	yes		lean
3246	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3247	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	11	10	yes	0	12	good	no	yes		extreme lean
3248	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	7	20	13	yes	4	35	fair	no	yes		lean
3249	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	8	3	yes	0	4	good	no	yes		no
3250	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	9	9	3	yes	0	3	good	yes	yes		slight lean
3251	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	8	12	6	yes	0	9	good	yes	yes		no
3252	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	8	13	13	yes	2	17	good	no	yes		extreme lean
3253	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	10	2	yes	0	3	good	no	yes		slight lean
3254	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	9	3	yes	0	3	good	no	yes		slight lean
3255	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	yes	2	1	1	yes	0	1	good	no	yes		no
3256	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	14	12	yes	0	24	fair	no	yes		no
3257	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	6	6	yes	0	1	critical	no	yes	fallen; unlikely to survive	extreme lean
3258	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3259	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	11	15	13	yes	2	56	fair	no	yes		lean
3260	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3261	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3262	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	7	2	yes	1	1	good	no	yes		no
3263	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3264	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	9	2	yes	0	1	good	no	yes		no
3265	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	16	7	yes	0	13	fair	no	yes		slight lean
3266	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	9	19	13	yes	0	46	good	no	yes		slight lean
3267	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	7	16	7	yes	0	23	critical	no	yes		slight lean
3268	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	4	3	1	yes	0	1	good	no	yes		lean
3269	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	15	14	yes	1	46	poor	no	yes		lean
3270	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	7	10	n/a	yes	0	15	dead; moderately aged	n/a	yes		n/a
3271	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	5	6	2	yes	0	1	good	no	yes		slight lean
3272	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3273	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	5	5	2	yes	0	1	good	no	yes		lean
3274	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	5	7	2	yes	0	1	good	yes	yes		slight lean
3275	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3276	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	5	6	2	yes	0	1	good	yes	yes		slight lean
3277	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3278	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3279	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3280	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3281	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	6	10	9	yes	0	8	poor	no	yes		lean
3282	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	6	11	4	yes	0	2	good	yes	yes		no
3283	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	8	18	13	yes	1	46	fair	no	yes		lean
3284	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3285	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	3	4	yes	0	2	good	no	yes		lean
3286	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	8	7	3	yes	0	5	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3287	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3288	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3289	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	7	4	yes	0	3	fair	no	yes		slight lean
3290	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	8	4	yes	1	3	good	no	yes		lean
3291	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3292	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	9	4	3	yes	0	7	dead; standing	n/a	yes		no
3293	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	5	9	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
3294	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	11	5	yes	0	8	good	no	yes		slight lean
3295	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	2	2	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
3296	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	9	13	n/a	yes	0	19	dead; moderately aged	n/a	yes		n/a
3297	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	8	10	6	yes	0	9	poor	no	yes		lean
3298	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3299	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	8	13	7	yes	0	9	good	no	yes		lean
3300	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	5	9	3	yes	0	5	good	no	yes		lean
3301	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	7	14	10	yes	0	22	poor	no	yes		no
3302	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	5	5	6	yes	0	6	poor	no	yes		extreme lean
3303	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	13	6	yes	0	11	good	no	yes		lean
3304	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	3	2	2	yes	0	1	good	yes	yes		no
3305	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	14	7	yes	0	12	good	no	yes		slight lean
3306	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	8	16	13	yes	1	23	good	no	yes		slight lean
3307	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	8	12	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
3308	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	6	13	3	yes	0	5	good	yes	yes		no
3309	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	15	20	yes	0	47	poor	no	yes		extreme lean
3310	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	18	7	yes	0	21	fair	no	yes		lean
3311	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	14	7	yes	0	7	good	no	yes		no
3312	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	13	3	yes	0	3	poor	no	yes		no
3313	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	5	12	3	yes	0	3	good	yes	yes		slight lean
3314	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	4	12	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
3315	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3316	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	11	4	yes	0	2	good	no	yes		no
3317	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	4	7	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
3318	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	5	5	2	yes	0	1	good	yes	yes		no
3319	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	7	12	5	yes	0	8	fair	no	yes		slight lean
3320	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		slight lean
3321	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	10	6	yes	1	7	good	no	yes		slight lean
3322	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		slight lean
3323	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	4	6	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
3324	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3325	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3326	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3327	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3328	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	5	4	1	yes	0	1	good	no	yes		no
3329	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	8	13	12	yes	0	32	good	no	yes		lean
3330	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	7	3	yes	0	1	good	no	yes		lean
3331	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	11	5	yes	0	6	good	no	yes		lean
3332	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	13	6	yes	0	9	good	no	yes		slight lean
3333	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3334	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	8	6	1	yes	0	1	dead; standing	n/a	yes		no
3335	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	8	7	3	yes	1	1	good	no	yes		no
3336	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	2	1	1	yes	1	1	dead; standing	n/a	yes		no
3337	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	8	10	4	yes	1	4	good	no	yes		no
3338	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	10	14	14	yes	1	29	poor	no	yes		extreme lean
3339	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3340	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	8	10	3	yes	0	2	good	no	yes		no
3341	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	3	3	1	yes	0	1	good	yes	yes		slight lean
3342	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	3	2	1	yes	0	1	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3343	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3344	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	10	13	11	yes	0	20	good	no	yes		slight lean
3345	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		no
3346	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	9	14	9	yes	2	25	fair	no	yes		slight lean
3347	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	7	3	yes	0	1	good	no	yes		slight lean
3348	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	3	3	yes	0	1	good	no	yes		no
3349	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	6	3	yes	0	1	good	yes	yes		slight lean
3350	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3351	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	8	10	6	yes	0	7	good	yes	yes		slight lean
3352	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	13	9	yes	3	18	good	no	yes		lean
3353	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	13	11	yes	3	33	good	no	yes		slight lean
3354	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	11	16	13	yes	5	50	fair	no	yes		no
3355	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	11	16	14	yes	2	45	good	no	yes		slight lean
3356	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	no	yes	2	1	1	yes	0	1	good	no	yes		no
3357	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	10	12	12	yes	4	40	good	no	yes		lean
3358	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	12	8	3	yes	0	5	dead; standing	n/a	yes		slight lean
3359	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	5	4	3	yes	0	1	good	yes	yes		no
3360	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	8	5	yes	1	1	good	no	yes		lean
3361	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3362	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	12	16	11	yes	3	45	good	no	yes		slight lean
3363	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	13	8	yes	1	19	good	no	yes		lean
3364	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	10	13	5	yes	0	7	good	yes	yes		slight lean
3365	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	13	8	yes	2	11	good	no	yes		slight lean
3366	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	8	2	yes	1	1	good	no	yes		no
3367	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	5	3	yes	0	3	good	no	yes		slight lean
3368	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3369	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		slight lean
3370	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	7	6	2	yes	0	2	good	yes	yes		slight lean
3371	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	5	4	2	yes	0	1	good	yes	yes		slight lean
3372	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3373	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3374	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		no
3375	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	10	6	yes	0	5	fair	no	yes		no
3376	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	15	9	yes	2	22	good	no	yes		slight lean
3377	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	7	2	yes	0	1	fair	no	yes		no
3378	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	15	11	yes	3	35	fair	no	yes		slight lean
3379	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	5	3	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
3380	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3381	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	7	5	2	yes	0	1	good	yes	yes		slight lean
3382	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
3383	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	5	3	2	yes	1	1	good	yes	yes		slight lean
3384	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	7	6	2	yes	0	1	good	yes	yes		no
3385	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3386	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		slight lean
3387	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	9	5	yes	0	5	good	no	yes		slight lean
3388	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	9	2	yes	0	1	good	no	yes		slight lean
3389	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	10	13	9	yes	3	30	fair	no	yes		extreme lean
3390	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	11	9	yes	2	18	fair	no	yes		extreme lean
3391	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	12	19	15	yes	14	65	fair	no	yes		no
3392	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	8	9	9	yes	0	6	poor	no	yes		extreme lean
3393	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3394	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3395	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	8	10	4	yes	0	4	good	yes	yes		no
3396	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	7	2	yes	0	1	good	no	yes		slight lean
3397	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	9	3	yes	1	3	good	no	yes		slight lean
3398	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	8	2	yes	1	1	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3399	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	10	14	8	yes	5	40	fair	no	yes		slight lean
3400	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3401	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3402	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	9	16	15	yes	1	25	poor	no	yes		lean
3403	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3404	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	8	2	yes	0	1	good	no	yes		slight lean
3405	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	10	3	yes	0	1	good	no	yes		slight lean
3406	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	5	13	3	yes	0	3	good	no	yes		slight lean
3407	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3408	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	16	12	yes	0	21	poor	no	yes		lean
3409	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	4	2	yes	0	1	good	yes	yes		no
3410	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	9	3	yes	0	1	good	no	yes		slight lean
3411	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	15	6	yes	0	10	good	no	yes		lean
3412	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3413	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	9	4	yes	0	3	good	no	yes		slight lean
3414	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3415	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	9	15	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
3416	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	11	20	15	yes	5	55	fair	no	yes		slight lean
3417	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	13	4	yes	0	6	fair	no	yes		lean
3418	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	5	9	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
3419	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	9	13	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
3420	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	6	6	3	yes	0	2	good	no	yes		slight lean
3421	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	6	14	10	yes	0	14	poor	no	yes		lean
3422	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	14	8	yes	2	15	good	no	yes		slight lean
3423	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	10	4	yes	0	3	good	no	yes		lean
3424	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	11	3	yes	0	3	good	yes	yes		no
3425	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	9	11	8	yes	0	9	poor	no	yes		slight lean
3426	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	13	12	yes	0	19	poor	no	yes		lean
3427	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	15	11	yes	1	22	fair	no	yes		lean
3428	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	4	3	2	yes	0	1	good	no	yes		no
3429	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	14	6	yes	1	9	good	no	yes		slight lean
3430	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	14	8	yes	1	9	good	no	yes		lean
3431	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	6	2	yes	0	1	good	yes	yes		no
3432	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	11	9	yes	1	13	good	no	yes		no
3433	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
3434	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	8	10	yes	2	7	fair	no	yes		no
3435	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	7	6	yes	4	9	fair	no	yes		no
3436	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	4	3	3	yes	0	1	good	yes	yes		no
3437	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	9	11	6	yes	3	6	good	yes	yes		no
3438	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3439	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	13	7	yes	0	7	good	yes	yes		no
3440	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	12	11	yes	2	15	fair	no	yes		lean
3441	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	0	10	6	yes	0	7	good	no	yes		lean
3442	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	6	5	3	yes	0	1	good	no	yes		slight lean
3443	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	14	9	yes	0	15	good	no	yes		slight lean
3444	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	11	15	12	yes	3	25	fair	no	yes		slight lean
3445	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	10	6	yes	0	9	fair	no	yes		extreme lean
3446	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3447	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	8	3	yes	0	4	good	no	yes		slight lean
3448	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	7	8	2	yes	0	3	good	yes	yes		slight lean
3449	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3450	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	8	6	yes	0	4	dead; standing	n/a	yes		no
3451	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3452	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	8	5	yes	0	4	fair	no	yes		no
3453	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	4	3	1	yes	0	1	good	yes	yes		slight lean
3454	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	4	3	2	yes	0	1	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3455	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	7	3	yes	0	1	good	no	yes		slight lean
3456	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	11	7	5	yes	0	6	fair	no	yes		no
3457	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	11	11	14	yes	0	30	poor	no	yes		extreme lean
3458	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3459	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		no
3460	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	11	14	11	yes	4	50	fair	no	yes		no
3461	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	11	6	yes	0	11	good	no	yes		slight lean
3462	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	12	9	yes	2	15	good	no	yes		lean
3463	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	8	3	yes	0	3	good	yes	yes		slight lean
3464	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	8	4	yes	0	4	good	no	yes		slight lean
3465	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	14	15	yes	2	40	poor	no	yes		slight lean
3466	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	8	5	yes	0	3	good	no	yes		lean
3467	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3468	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	7	5	yes	0	5	fair	no	yes		lean
3469	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	7	7	2	yes	1	1	good	yes	yes		no
3470	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3471	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	9	6	yes	0	9	good	no	yes		slight lean
3472	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	8	3	yes	0	3	good	no	yes		no
3473	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		slight lean
3474	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	12	8	yes	0	10	good	no	yes		lean
3475	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	11	18	12	yes	4	45	fair	no	yes		lean
3476	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	9	15	11	yes	0	29	poor	no	yes		lean
3477	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	8	5	yes	0	3	good	no	yes		slight lean
3478	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	5	5	2	yes	0	1	good	yes	yes		slight lean
3479	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	5	7	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
3480	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	11	10	8	yes	0	19	good	yes	yes		no
3481	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	14	12	yes	4	28	good	no	yes	woodrat midden at base	no
3482	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	5	4	2	yes	0	1	good	no	yes		slight lean
3483	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3484	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3485	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	13	7	yes	0	17	fair	no	yes		no
3486	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3487	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	5	8	5	yes	0	7	fair	no	yes		lean
3488	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	14	11	yes	2	25	fair	no	yes		lean
3489	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	15	1	yes	1	15	good	no	yes		slight lean
3490	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	7	8	7	yes	0	10	poor	no	yes		lean
3491	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	10	8	14	yes	0	10	critical	no	yes		extreme lean
3492	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	4	3	2	yes	0	2	good	yes	yes		slight lean
3493	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	7	8	8	yes	0	11	poor	no	yes		no
3494	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	6	8	5	yes	0	7	fair	no	yes		slight lean
3495	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3496	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3497	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	6	6	2	yes	0	1	good	yes	yes		no
3498	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3499	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	10	12	9	yes	0	11	fair	no	yes		lean
3500	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	6	11	5	yes	0	7	good	no	yes		slight lean
3501	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3502	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3503	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	12	12	n/a	yes	0	11	dead; moderately aged	n/a	yes		n/a
3504	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	6	3	6	no	0	6	poor	no	yes		no
3505	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	10	15	n/a	no	0	15	dead; moderately aged	n/a	yes		n/a
3506	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	12	13	10	yes	1	26	good	yes	yes		slight lean
3507	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	6	4	3	no	0	1	good	no	yes		slight lean
3508	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	6	5	3	no	0	1	good	no	yes		slight lean
3509	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	4	3	2	no	0	1	good	no	yes		lean
3510	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	4	2	2	no	0	1	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3511	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	11	4	no	0	8	good	no	yes		slight lean
3512	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	10	12	13	yes	4	35	good	yes	yes		no
3513	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	5	6	5	no	0	3	good	no	yes		lean
3514	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
3515	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	10	15	n/a	no	0	18	dead; moderately aged	n/a	yes		n/a
3516	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	6	7	3	no	0	1	good	yes	yes		slight lean
3517	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3518	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	9	15	n/a	no	0	17	dead; moderately aged	n/a	yes		n/a
3519	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3521	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3522	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3523	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	6	4	3	no	0	1	good	yes	yes		slight lean
3524	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	5	3	2	no	0	1	good	no	yes		lean
3525	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	7	10	n/a	no	0	10	dead; moderately aged	n/a	yes		n/a
3526	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	3	1	1	no	0	1	good	no	yes		no
3527	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	12	4	no	0	4	good	no	yes		no
3528	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	12	5	no	0	3	good	no	yes		no
3529	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	3	3	no	0	2	good	no	yes		slight lean
3530	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	11	3	no	0	3	good	no	yes		slight lean
3531	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	5	2	no	0	1	good	no	yes		no
3532	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	8	10	3	no	0	3	good	yes	yes		slight lean
3533	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	6	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3534	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	13	11	yes	1	36	good	no	yes		slight lean
3535	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
3536	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	10	7	no	0	13	fair	no	yes		slight lean
3537	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3538	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	10	12	14	yes	3	32	fair	no	yes		slight lean
3539	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	6	4	2	no	0	1	good	no	yes		slight lean
3540	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	13	10	yes	2	23	good	no	yes		slight lean
3541	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3542	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	12	16	10	yes	4	45	good	no	yes		slight lean
3543	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3544	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3545	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	13	16	12	yes	10	64	good	no	yes		slight lean
3546	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	4	5	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
3547	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	9	4	no	0	4	good	no	yes		lean
3548	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
3549	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	4	2	no	0	1	good	no	yes		no
3550	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	9	11	8	yes	1	16	good	yes	yes		slight lean
3551	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3552	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	6	7	3	yes	1	1	good	yes	yes		no
3553	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
3554	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	7	8	n/a	no	0	5	dead; moderately aged	n/a	yes		n/a
3555	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	11	12	10	yes	6	22	good	no	yes		slight lean
3556	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	8	11	n/a	no	0	5	dead; moderately aged	n/a	yes		n/a
3557	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	8	10	n/a	no	0	9	dead; moderately aged	n/a	yes		n/a
3558	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	7	3	no	0	1	good	no	yes		slight lean
3559	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3560	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	5	3	2	no	0	1	good	yes	yes		no
3561	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	8	9	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
3562	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	10	8	no	0	16	good	no	yes		slight lean
3563	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
3564	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	10	5	n/a	no	0	10	dead; moderately aged	n/a	yes		n/a
3565	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3566	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3567	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3568	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	8	4	no	0	5	good	no	yes		no
3569	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	13	10	no	0	8	poor	no	yes		no
3570	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	8	3	no	0	3	good	no	yes		lean
3571	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	10	6	no	0	6	good	no	yes		no
3572	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	6	11	6	no	0	10	good	no	yes		slight lean
3573	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	11	7	yes	2	25	good	no	yes		no
3574	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	10	10	8	no	0	15	fair	no	yes		slight lean
3575	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	11	12	n/a	no	0	17	dead; moderately aged	n/a	yes		n/a
3576	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	4	3	1	no	0	1	good	no	yes		slight lean
3577	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	7	9	5	no	0	10	good	yes	yes		slight lean
3578	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	15	16	24	yes	9	100+	good	no	yes		lean
3579	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	7	14	10	no	0	16	fair	no	yes		slight lean
3580	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	4	4	2	no	0	1	good	no	yes		slight lean
3581	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	4	5	no	0	3	dead; freshly fallen	n/a	yes		n/a
3582	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3583	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	8	8	4	yes	0	3	good	yes	yes		slight lean
3584	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	6	10	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
3585	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	14	11	no	0	27	good	no	yes		slight lean
3586	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	4	2	1	no	0	1	good	no	yes		no
3587	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	14	8	yes	2	15	good	no	yes		no
3588	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	12	7	yes	2	14	good	no	yes		no
3589	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	10	5	yes	2	6	good	no	yes		slight lean
3590	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3591	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	12	13	10	no	0	20	poor	no	yes		no
3592	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	12	4	n/a	no	0	10	dead; moderately aged	n/a	yes		n/a
3593	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	6	3	n/a	no	0	2	dead; moderately aged	n/a	yes		n/a
3594	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
3595	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	12	10	n/a	no	0	13	dead; moderately aged	n/a	yes		n/a
3596	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	12	12	n/a	no	0	15	dead; moderately aged	n/a	yes		n/a
3597	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	12	8	no	0	22	poor	no	yes		no
3598	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	8	11	10	yes	1	20	fair	no	yes		extreme lean
3599	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	10	12	n/a	no	0	13	dead; moderately aged	n/a	yes		n/a
3600	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	7	3	yes	1	1	good	no	yes		slight lean
3601	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	7	3	yes	0	1	good	no	yes		no
3602	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
3603	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	4	2	1	no	0	1	good	no	yes		no
3604	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	5	6	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
3605	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	3	1	1	no	0	1	good	no	yes		no
3606	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
3607	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
3608	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
3609	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
3610	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	6	5	3	yes	0	1	good	yes	yes		no
3611	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	7	8	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
3612	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
3613	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	7	8	n/a	no	0	9	dead; moderately aged	n/a	yes		n/a
3614	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
3615	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
3616	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	11	12	12	yes	8	32	good	yes	yes		slight lean
3617	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	10	15	10	yes	5	19	fair	no	yes		lean
3618	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3619	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3620	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	9	10	3	yes	0	4	good	no	yes		slight lean
3621	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3622	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	8	11	7	no	0	8	good	no	yes		slight lean
3623	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	13	9	yes	1	11	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3624	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	8	12	7	no	0	8	good	yes	yes		no
3625	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	6	13	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
3626	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	4	2	1	no	0	1	dead; standing	n/a	yes		no
3627	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	4	7	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
3628	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	6	7	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
3629	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	8	6	3	no	0	1	good	no	yes		no
3630	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
3631	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	5	3	1	no	0	1	good	no	yes		slight lean
3632	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3633	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3634	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	6	9	n/a	no	0	5	dead; moderately aged	n/a	yes		n/a
3635	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	9	4	no	0	9	good	no	yes		slight lean
3636	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	10	6	yes	0	10	good	no	yes		slight lean
3637	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	8	5	n/a	no	0	7	dead; moderately aged	n/a	yes		n/a
3638	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3639	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	8	5	yes	1	7	good	no	yes		slight lean
3640	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	10	5	no	0	9	good	no	yes		slight lean
3641	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	7	4	2	no	0	1	good	no	yes		slight lean
3642	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3643	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	yes	6	8	6	yes	1	6	good	no	yes		slight lean
3644	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	no	yes	2	1	1	no	0	1	dead; standing	n/a	yes		no
3645	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/17/2022	yes	no	11	12	10	no	0	12	good	yes	yes		slight lean
3647	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	12	5	no	0	11	good	no	yes		slight lean
3648	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3649	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	10	4	no	0	6	good	no	yes		slight lean
3650	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	9	4	no	0	8	good	no	yes		slight lean
3651	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	9	4	no	0	4	dead; standing	n/a	yes		slight lean
3652	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	13	8	yes	1	13	good	no	yes		no
3653	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3654	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	11	7	yes	2	11	good	no	yes		slight lean
3655	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	6	6	3	yes	1	1	good	yes	yes		slight lean
3656	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	4	3	no	0	2	good	no	yes		lean
3657	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	3	3	no	0	2	good	no	yes		no
3658	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	7	7	3	no	0	1	good	yes	yes		no
3659	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	8	3	no	0	3	good	no	yes		slight lean
3660	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	1	1	1	no	0	1	good	no	yes		no
3661	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3662	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	10	9	no	0	11	good	no	yes		lean
3663	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	7	6	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
3664	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
3665	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3666	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3667	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	8	10	n/a	no	0	7	dead; moderately aged	n/a	yes		n/a
3668	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3669	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3670	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	6	2	no	0	1	good	no	yes		no
3671	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	7	9	4	yes	1	1	good	no	yes		lean
3672	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3673	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3674	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	10	14	15	yes	1	34	good	no	yes		lean
3675	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	10	13	10	no	0	12	good	no	yes		slight lean
3676	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	13	7	no	0	6	good	no	yes		slight lean
3677	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3678	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	11	4	no	0	8	fair	no	yes		lean
3679	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	10	8	no	0	3	good	no	yes		extreme lean
3680	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	11	4	no	0	3	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3681	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
3682	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	12	7	no	0	9	good	no	yes		slight lean
3683	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	10	4	no	0	3	good	no	yes		slight lean
3684	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	10	18	10	no	0	27	fair	no	yes		lean
3685	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	13	8	no	0	12	good	no	yes		slight lean
3686	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	12	5	no	0	13	fair	no	yes		slight lean
3687	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	9	3	no	0	3	good	no	yes		slight lean
3688	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	2	1	no	0	1	good	no	yes		no
3689	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	7	6	3	no	0	1	good	yes	yes		slight lean
3690	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	5	3	no	0	1	good	no	yes		slight lean
3691	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	4	2	no	0	1	good	no	yes		no
3692	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	10	17	11	yes	1	23	fair	no	yes		slight lean
3693	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	4	3	no	0	1	good	no	yes		slight lean
3694	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3695	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	13	9	yes	1	13	good	no	yes		slight lean
3696	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	10	15	10	no	0	22	good	no	yes		slight lean
3697	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	2	2	no	0	1	good	no	yes		no
3698	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	13	n/a	no	0	6	dead; moderately aged	n/a	yes		n/a
3699	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	6	3	no	0	1	good	no	yes		no
3700	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3701	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	4	2	no	0	1	good	no	yes		slight lean
3702	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	3	2	no	0	1	good	no	yes		slight lean
3703	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	9	4	no	0	5	good	no	yes		slight lean
3704	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	11	7	yes	1	10	good	no	yes		slight lean
3705	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	7	4	no	0	16	poor	no	yes		lean
3706	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	10	11	no	0	12	fair	no	yes		lean
3707	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	5	3	no	0	1	good	no	yes		no
3708	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	5	3	no	0	1	good	no	yes		slight lean
3709	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	6	6	3	no	0	9	fair	no	yes		lean
3710	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	7	3	no	0	1	good	no	yes		slight lean
3711	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	13	7	yes	1	13	good	no	yes		slight lean
3712	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	6	2	no	0	1	good	no	yes		slight lean
3713	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
3714	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	5	4	no	0	2	good	no	yes		no
3715	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	5	2	no	0	1	good	no	yes		slight lean
3716	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	14	14	no	0	14	critical	no	yes	recently uprooted	extreme lean
3717	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	5	2	no	0	1	good	no	yes		no
3718	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	8	3	no	0	3	good	no	yes		slight lean
3719	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	1	1	1	no	0	1	good	no	yes		no
3720	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	2	2	no	0	1	good	no	yes		no
3721	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	14	10	yes	1	20	good	no	yes		slight lean
3722	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	6	2	no	0	1	good	no	yes		slight lean
3723	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3724	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	13	8	yes	0	8	good	no	yes		slight lean
3725	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	6	3	no	0	1	good	no	yes		slight lean
3726	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	12	6	no	0	17	good	no	yes		slight lean
3727	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	10	5	no	0	7	good	no	yes		lean
3728	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	9	n/a	no	0	2	dead; moderately aged	n/a	yes		n/a
3729	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	7	4	no	0	3	good	no	yes		slight lean
3730	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	6	2	no	0	1	good	no	yes		slight lean
3731	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	9	4	no	0	4	good	no	yes		lean
3732	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	8	4	no	0	4	good	no	yes		slight lean
3733	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	1	1	1	no	0	1	good	no	yes		no
3734	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	8	12	7	yes	1	15	good	yes	yes		slight lean
3735	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	9	3	yes	1	3	good	no	yes		slight lean
3736	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3737	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3738	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	6	8	2	no	0	1	good	yes	yes		slight lean
3739	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	7	7	2	no	0	1	good	yes	yes		slight lean
3740	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	9	15	12	yes	3	23	good	yes	yes		slight lean
3741	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	2	1	no	0	1	good	no	yes		no
3742	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	10	6	no	0	8	good	no	yes		lean
3743	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	11	5	no	0	10	good	no	yes		slight lean
3744	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3745	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	9	13	8	yes	2	14	good	yes	yes		slight lean
3746	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	14	8	yes	1	12	good	no	yes		slight lean
3747	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	4	4	no	0	2	good	no	yes		slight lean
3748	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	4	2	2	no	0	1	good	yes	yes		slight lean
3750	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	5	4	3	no	0	1	good	yes	yes		slight lean
3751	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	2	2	no	0	1	good	no	yes		no
3752	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	13	7	yes	1	14	good	no	yes		slight lean
3753	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	2	2	1	no	0	1	dead; standing	n/a	yes		no
3754	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	3	3	no	0	2	good	no	yes		slight lean
3755	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	2	2	no	0	1	good	no	yes		slight lean
3756	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	9	n/a	no	0	10	dead; moderately aged	n/a	yes		n/a
3757	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	6	2	no	0	1	good	no	yes		slight lean
3758	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	5	9	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
3759	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	9	13	8	yes	2	15	good	no	yes		slight lean
3760	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	12	6	yes	1	7	good	no	yes		lean
3761	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3762	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	8	5	yes	1	5	good	no	yes		lean
3763	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	10	8	yes	2	12	good	no	yes		lean
3764	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
3765	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	6	3	no	0	1	good	no	yes		no
3766	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3767	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	5	8	n/a	no	0	4	dead; moderately aged	n/a	yes		n/a
3768	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	7	8	4	yes	1	6	good	no	yes		lean
3769	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3770	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	8	3	yes	1	4	good	no	yes		lean
3771	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
3772	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3773	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	6	3	yes	1	3	good	no	yes		lean
3774	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	9	5	no	0	8	good	no	yes		lean
3775	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	5	2	no	0	1	good	no	yes		slight lean
3776	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	3	2	no	0	1	fair	no	yes		lean
3777	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	5	4	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
3778	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
3779	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	2	1	no	0	1	good	no	yes		no
3780	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3781	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	3	4	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
3782	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3783	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	8	3	no	0	3	good	no	yes		slight lean
3784	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
3785	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3786	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3787	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3788	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	7	11	7	yes	1	17	good	no	yes		slight lean
3789	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3790	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	5	4	3	no	0	1	good	no	yes		slight lean
3791	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	8	10	7	yes	1	16	good	no	yes		lean
3792	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	3	2	no	0	1	good	no	yes		slight lean
3793	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	1	1	1	no	0	1	fair	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3794	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3795	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	6	10	7	no	0	13	good	yes	yes		slight lean
3796	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
3797	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	6	9	3	yes	1	3	good	no	yes		slight lean
3798	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	yes	4	2	1	no	0	1	good	no	yes		no
3799	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	no	yes	5	9	n/a	no	0	5	dead; moderately aged	n/a	yes		n/a
3800	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/18/2022	yes	no	6	11	6	yes	2	8	good	yes	yes		slight lean
3801	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3802	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3803	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	8	10	n/a	no	0	14	dead; moderately aged	n/a	yes		n/a
3804	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	5	2	no	0	1	good	no	yes		slight lean
3805	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	9	14	10	yes	0	27	good	no	yes		slight lean
3806	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	13	7	yes	1	9	fair	no	yes		no
3807	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3808	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	4	3	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
3809	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	5	4	no	0	2	good	no	yes		lean
3810	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	10	11	12	yes	2	16	fair	no	yes		lean
3811	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	9	14	12	yes	3	25	good	no	yes		slight lean
3812	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	7	11	6	yes	1	9	good	yes	yes		slight lean
3813	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	10	3	no	0	5	fair	no	yes		slight lean
3814	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3815	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	6	3	no	0	2	good	no	yes		slight lean
3816	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	9	14	10	no	0	33	good	no	yes		no
3817	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	7	10	n/a	no	0	6	dead; moderately aged	n/a	yes		n/a
3818	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	4	2	1	no	0	1	good	yes	yes		no
3819	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	4	4	n/a	no	0	5	dead; moderately aged	n/a	yes		n/a
3820	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	11	5	no	0	8	good	no	yes		slight lean
3821	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	14	12	yes	1	20	good	no	yes		lean
3822	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	4	3	2	no	0	2	good	no	yes		slight lean
3823	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
3824	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	11	4	yes	2	3	good	no	yes		slight lean
3825	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	10	2	no	0	1	fair	no	yes		lean
3826	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
3827	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3828	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	12	10	no	0	27	poor	no	yes		slight lean
3829	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3830	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	5	10	4	no	0	7	fair	no	yes		lean
3831	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	8	3	no	0	3	critical	no	yes		slight lean
3832	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; moderately aged	n/a	yes		n/a
3833	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	8	3	no	0	1	good	no	yes		lean
3834	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3835	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	11	4	no	0	2	good	no	yes		slight lean
3836	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	6	2	no	0	1	good	no	yes		no
3837	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	4	4	3	no	0	1	good	yes	yes		slight lean
3838	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3839	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3840	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	13	14	no	0	11	dead; standing	n/a	yes		no
3841	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	4	3	no	0	1	good	no	yes		slight lean
3842	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	9	13	n/a	no	0	16	dead; moderately aged	n/a	yes		n/a
3843	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	14	6	yes	1	15	good	no	yes		slight lean
3844	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	9	4	yes	1	3	good	no	yes		no
3845	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	9	14	10	yes	1	27	good	no	yes		slight lean
3846	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	7	4	no	0	3	good	no	yes		slight lean
3847	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	8	8	3	no	0	3	good	yes	yes		no
3848	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	5	4	no	0	4	poor	no	yes		no
3849	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3850	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	7	9	5	no	0	6	good	no	yes		lean
3851	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3852	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	13	9	yes	2	10	good	no	yes		lean
3853	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	15	20	14	yes	8	69	fair	no	yes		slight lean
3854	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	10	4	no	0	4	good	no	yes		slight lean
3855	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	10	12	n/a	no	0	8	dead; moderately aged	n/a	yes		n/a
3856	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	9	8	n/a	no	0	3	dead; moderately aged	n/a	yes		n/a
3857	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3858	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3859	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3860	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	6	3	no	0	1	good	no	yes		lean
3861	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3862	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	8	12	10	yes	1	11	fair	no	yes		slight lean
3863	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	8	2	yes	1	1	good	no	yes		slight lean
3864	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3865	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	7	3	yes	1	1	good	no	yes		lean
3866	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	4	3	2	no	0	1	good	no	yes		lean
3867	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	9	5	yes	1	3	good	no	yes		slight lean
3868	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3869	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
3870	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	8	9	no	0	11	fair	no	yes		lean
3871	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	4	3	2	no	0	1	good	no	yes		no
3872	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	3	4	no	0	2	good	no	yes		no
3873	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	4	2	no	0	1	good	no	yes		slight lean
3874	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	5	3	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
3875	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	4	2	1	no	0	1	good	no	yes		no
3876	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	11	4	yes	1	3	good	no	yes		slight lean
3877	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	10	16	7	yes	3	11	good	no	yes		slight lean
3878	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3879	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	3	2	1	no	0	1	good	yes	yes		slight lean
3880	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	6	6	n/a	no	0	1	dead; moderately aged	n/a	yes		n/a
3881	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	6	3	no	0	1	good	no	yes		slight lean
3882	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	4	1	1	no	0	1	dead; standing	n/a	yes		no
3883	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	4	2	1	no	0	1	good	yes	yes		slight lean
3884	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	3	2	no	0	2	fair	no	yes		no
3885	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	7	3	yes	1	3	good	no	yes		no
3886	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	4	2	1	no	0	1	good	no	yes		lean
3887	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	9	8	4	no	0	4	good	no	yes		slight lean
3888	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	4	2	1	no	0	1	good	no	yes		slight lean
3889	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	3	2	no	0	1	good	no	yes		slight lean
3890	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	5	3	5	no	0	4	fair	no	yes		slight lean
3891	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	6	6	3	no	0	4	good	no	yes		lean
3892	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	8	4	no	0	3	fair	no	yes		slight lean
3893	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	1	1	1	no	0	1	good	no	yes		no
3894	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
3895	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	2	1	1	no	0	2	good	no	yes		no
3896	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	10	15	13	yes	3	53	good	no	yes		no
3897	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	9	4	no	0	5	good	no	yes		slight lean
3898	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	6	4	2	no	0	1	good	yes	yes		slight lean
3899	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3900	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	10	13	12	yes	4	29	good	yes	yes		slight lean
3901	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	6	5	2	no	0	1	good	yes	yes		slight lean
3902	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3903	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	13	10	no	0	8	fair	no	yes		slight lean
3904	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	5	3	2	no	0	1	good	no	yes		no
3905	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	6	6	3	no	0	1	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3906	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3907	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	13	9	yes	1	31	good	no	yes		slight lean
3908	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	13	9	yes	1	21	good	no	yes		slight lean
3909	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	13	7	yes	1	23	good	no	yes		slight lean
3910	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	14	8	yes	2	29	good	no	yes		slight lean
3911	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	3	2	1	no	0	1	good	no	yes		no
3912	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	4	2	2	no	0	2	good	no	yes		no
3913	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	6	2	no	0	1	good	no	yes		no
3914	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	13	8	no	0	26	good	no	yes		lean
3915	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	6	11	5	yes	3	17	good	no	yes		lean
3916	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	8	9	7	no	0	9	good	no	yes		lean
3917	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	7	5	4	no	0	3	good	no	yes		slight lean
3918	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	2	1	1	no	0	1	good	no	yes		no
3919	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	4	3	no	0	1	good	no	yes		slight lean
3920	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	yes	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3921	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3922	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	7	12	8	no	0	6	good	no	yes		lean
3924	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3925	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3926	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	no	no	n/a	n/a	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
3927	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	no	7	6	3	no	0	1	good	yes	yes		slight lean
3928	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	6	5	3	no	0	1	good	no	yes		slight lean
3929	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/19/2022	yes	yes	13	17	16	yes	2	60	good	no	yes		slight lean
3930	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	5	5	5	yes	0	1	good	yes	yes		no
3931	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	12	13	13	yes	2	27	fair	no	yes		no
3932	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3933	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	12	12	yes	5	22	fair	no	yes		lean
3934	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	10	8	yes	0	10	good	no	yes		lean
3935	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	9	6	4	yes	0	1	good	no	yes		no
3936	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	7	5	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
3937	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	yes	1	1	1	yes	0	1	good	no	yes		no
3938	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	4	3	yes	0	1	good	no	yes		no
3939	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3940	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	8	11	n/a	yes	0	7	dead; moderately aged	n/a	yes		n/a
3941	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	8	9	5	yes	0	7	good	yes	yes		slight lean
3942	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3943	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	10	10	8	yes	1	9	good	no	yes		lean
3944	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	3	4	yes	0	1	good	no	yes		slight lean
3945	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	12	2	3	yes	0	1	good	no	yes		no
3946	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	7	6	3	yes	0	1	good	no	yes		no
3947	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3948	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	8	3	2	yes	0	1	good	no	yes		slight lean
3949	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	no	yes	8	9	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
3950	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	10	5	3	yes	0	1	fair	no	yes		slight lean
3951	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	12	8	6	yes	1	1	good	no	yes		slight lean
3952	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	10	12	9	yes	0	23	good	yes	yes		slight lean
3953	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	12	3	3	yes	0	1	good	yes	yes		no
3954	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	10	7	4	yes	0	1	fair	no	yes		lean
3955	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	yes	9	7	3	yes	0	1	fair	no	yes		slight lean
3956	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	24	8	5	yes	1	1	good	yes	yes		no
3957	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	9	13	8	yes	2	9	good	yes	yes		slight lean
3958	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	6	6	5	yes	0	1	good	no	yes		no
3959	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	6	5	5	yes	0	1	fair	no	yes		no
3960	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	12	14	14	yes	2	21	fair	no	yes		lean
3961	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	8	13	10	yes	0	8	good	yes	yes		slight lean
3962	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	6	4	3	yes	0	2	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
3963	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	6	2	yes	0	1	critical	no	yes		no
3964	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	10	12	5	yes	1	5	fair	no	yes		no
3965	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	yes	8	10	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
3966	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	8	12	9	yes	0	13	good	yes	yes		slight lean
3967	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		no
3968	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	yes	8	2	2	yes	0	1	good	no	yes		no
3969	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	6	5	4	yes	0	1	good	yes	yes		no
3970	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	8	9	4	yes	1	7	fair	no	yes		slight lean
3971	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	yes	n/a	11	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
3972	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3973	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3974	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	18	5	3	yes	0	1	fair	no	yes		no
3975	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	12	9	yes	1	28	fair	no	yes		lean
3976	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	10	16	12	yes	2	43	poor	no	yes		slight lean
3977	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	12	5	yes	0	4	fair	no	yes		lean
3978	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	14	10	yes	2	9	fair	no	yes		slight lean
3979	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	13	6	yes	1	5	fair	no	yes		no
3980	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	11	11	9	yes	1	22	fair	no	yes		lean
3981	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	12	8	yes	0	18	fair	no	yes		lean
3982	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	11	8	yes	0	6	fair	no	yes		lean
3983	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	9	5	yes	0	15	poor	no	yes		lean
3984	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	11	8	5	yes	1	14	fair	no	yes		no
3985	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	10	8	5	yes	0	3	fair	no	yes		slight lean
3986	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	9	8	yes	0	15	fair	no	yes		slight lean
3987	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	7	8	yes	0	4	poor	no	yes		lean
3988	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	10	8	yes	0	30	poor	no	yes		lean
3989	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	4	6	3	yes	0	1	fair	no	yes		no
3990	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	8	8	yes	0	7	fair	no	yes		lean
3991	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	4	3	3	yes	0	1	fair	no	yes		no
3992	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3993	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
3994	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	9	11	6	yes	1	18	fair	no	yes		lean
3995	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	11	15	15	yes	0	27	fair	no	yes		slight lean
3996	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	5	5	3	yes	0	1	fair	no	yes		no
3997	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	8	10	8	yes	0	9	fair	no	yes		slight lean
3998	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	10	9	8	yes	1	5	fair	no	yes		no
3999	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	8	6	4	yes	0	1	fair	no	yes		slight lean
4000	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	9	6	yes	0	8	fair	no	yes		lean
4001	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4002	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	7	7	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4003	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	9	8	yes	1	8	fair	no	yes		lean
4004	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	2	2	yes	0	1	fair	no	yes		no
4005	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	7	4	3	yes	0	1	fair	no	yes		slight lean
4006	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4007	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	10	4	3	yes	0	1	fair	no	yes		slight lean
4008	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	5	3	3	yes	0	1	fair	no	yes		slight lean
4009	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; freshly fallen	n/a	yes		n/a
4010	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	6	7	3	yes	0	1	fair	no	yes		lean
4011	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	8	12	8	yes	0	13	fair	no	yes		lean
4012	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	9	12	6	yes	0	14	fair	no	yes		lean
4013	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	8	13	16	yes	0	21	fair	no	yes		lean
4014	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	4	5	4	yes	0	1	fair	no	yes		slight lean
4015	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	10	11	10	yes	0	17	poor	no	yes		lean
4016	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	no	yes	6	10	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4017	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	13	9	5	yes	0	4	fair	no	yes		slight lean
4018	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	10	9	7	yes	2	15	fair	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4019	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	yes	5	4	4	yes	0	1	fair	no	yes		slight lean
4020	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/26/2022	yes	no	5	6	4	yes	0	1	fair	no	yes		slight lean
4021	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	9	9	6	yes	0	4	fair	no	yes		lean
4022	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	10	10	12	yes	2	51	poor	no	yes		extreme lean
4023	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	17	6	3	yes	0	1	fair	no	yes		slight lean
4024	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	8	11	8	yes	1	20	poor	no	yes		slight lean
4025	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	10	7	5	yes	1	3	fair	no	yes		lean
4026	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	10	15	15	yes	3	47	fair	no	yes		lean
4027	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	9	13	10	yes	5	23	poor	no	yes		slight lean
4028	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	9	7	5	yes	1	6	good	yes	yes		slight lean
4029	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	11	13	15	yes	2	50	fair	no	yes		no
4030	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	15	6	3	yes	0	1	fair	no	yes		lean
4031	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	7	4	yes	1	4	fair	no	yes		lean
4032	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	11	8	6	yes	1	6	fair	no	yes		lean
4033	western Joshua tree	<i>Yucca brevifolia</i>	off-site	5/27/2022	yes	yes	10	8	5	yes	0	3	good	no	yes		no
4034	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	11	11	8	yes	2	19	good	no	yes		slight lean
4035	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	4	3	3	yes	0	1	good	yes	yes		no
4036	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	10	9	6	yes	1	7	good	yes	yes		slight lean
4037	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	8	8	6	yes	0	8	good	no	yes		no
4038	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	9	4	yes	1	5	fair	no	yes		slight lean
4039	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	10	6	3	yes	0	3	good	no	yes		no
4040	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4041	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4042	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	7	3	yes	0	1	fair	no	yes		slight lean
4043	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	6	4	yes	0	3	poor	no	yes		lean
4044	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	12	12	8	yes	1	35	fair	no	yes		no
4045	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	10	10	yes	0	21	poor	no	yes		slight lean
4046	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	6	13	10	yes	1	17	fair	no	yes		extreme lean
4047	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	6	9	8	yes	0	25	critical	no	yes		slight lean
4048	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4049	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4050	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	11	15	n/a	yes	0	15	dead; moderately aged	n/a	yes		n/a
4051	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	6	4	3	yes	0	1	good	yes	yes		no
4052	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	8	10	10	yes	2	31	poor	no	yes		lean
4053	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	7	6	6	yes	0	5	poor	no	yes		extreme lean
4054	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4055	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	10	11	8	yes	0	10	fair	no	yes		lean
4056	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	10	12	10	yes	2	21	fair	no	yes		lean
4057	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	22	7	5	yes	0	4	fair	no	yes		no
4058	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	10	10	10	yes	1	6	fair	no	yes		no
4059	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	9	10	12	yes	1	18	poor	no	yes		lean
4060	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	yes	10	10	8	yes	3	23	fair	no	yes		no
4061	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	8	7	4	yes	0	3	fair	no	yes		no
4062	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	6	4	5	yes	0	1	fair	no	yes		extreme lean
4063	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	6	3	4	yes	0	1	good	yes	yes		no
4064	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	6	3	3	yes	0	1	good	yes	yes		no
4065	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	6	5	4	yes	0	1	good	yes	yes		no
4066	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	7	5	5	yes	0	1	good	yes	yes		no
4067	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	13	15	20	yes	0	100+	fair	no	yes		extreme lean
4068	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	7	11	5	yes	0	4	fair	no	yes		slight lean
4069	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	8	5	3	yes	0	1	fair	no	yes		slight lean
4070	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4071	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	yes	no	12	6	4	yes	0	1	fair	no	yes		no
4072	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	13	8	yes	0	10	fair	no	no		lean
4073	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	15	10	yes	3	20	poor	no	yes		slight lean
4074	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	10	15	10	yes	6	54	fair	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4075	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	8	4	3	yes	0	1	good	yes	yes		slight lean
4076	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	11	3	yes	0	4	good	no	yes		slight lean
4077	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	3	2	2	yes	0	2	good	yes	yes		no
4078	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	16	15	15	yes	21	100+	fair	no	yes		lean
4079	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	7	11	3	yes	0	3	dead; standing	n/a	yes		lean
4080	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	5	10	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
4081	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	3	2	2	yes	0	2	fair	no	yes		no
4082	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	7	5	3	yes	0	1	good	yes	yes		no
4083	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	5	5	3	yes	0	1	good	no	yes		no
4084	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	9	8	yes	1	6	fair	no	yes		no
4085	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	11	8	yes	1	21	fair	no	yes		no
4086	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	10	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
4087	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	10	9	8	yes	0	22	fair	no	yes		slight lean
4088	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	11	12	10	yes	4	34	poor	no	yes		slight lean
4089	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		no
4090	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	4	3	3	yes	0	1	fair	no	yes		no
4091	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	no	yes	1	1	1	yes	0	1	good	no	yes		no
4092	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4093	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	12	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
4094	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4095	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	10	12	4	yes	0	3	fair	no	yes		lean
4096	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	9	12	10	yes	1	21	good	no	yes		lean
4097	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	10	11	6	yes	0	7	fair	no	yes		slight lean
4098	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	9	9	3	yes	0	1	good	no	yes		lean
4099	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	4	4	2	yes	0	1	good	yes	yes		no
4100	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4101	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	8	3	yes	1	1	good	no	yes		slight lean
4102	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	7	10	4	yes	2	4	good	yes	yes		slight lean
4103	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	4	3	yes	0	1	good	no	yes		slight lean
4104	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4105	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4106	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	11	6	yes	1	7	fair	no	yes		lean
4107	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	11	12	8	yes	2	13	fair	no	yes	mammal burrow at base	no
4108	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	12	14	10	yes	12	25	fair	no	yes		lean
4109	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	13	14	20	yes	9	55	fair	no	yes		lean
4110	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	7	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
4111	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	7	7	10	yes	0	7	critical	no	yes		extreme lean
4112	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	8	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
4113	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	13	6	5	yes	0	3	critical	no	yes		lean
4114	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	10	15	yes	1	13	fair	no	yes		extreme lean
4115	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	13	10	yes	2	18	fair	no	yes		lean
4116	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	10	15	13	yes	8	38	good	no	yes		slight lean
4117	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	11	7	yes	3	13	good	no	yes		slight lean
4118	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	7	4	yes	1	3	good	no	yes		lean
4119	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	8	10	yes	1	17	fair	no	yes		slight lean
4120	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4121	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	6	4	yes	2	3	good	no	yes		slight lean
4122	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	4	3	yes	0	1	good	no	yes		slight lean
4123	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4124	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	8	4	3	yes	0	1	good	yes	yes		no
4125	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	5	12	4	yes	0	4	good	no	yes		slight lean
4126	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	12	6	yes	0	3	good	yes	yes		slight lean
4127	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	6	4	yes	0	1	good	no	yes		slight lean
4128	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	5	11	5	yes	0	4	good	no	yes		lean
4129	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	10	10	20	yes	0	18	poor	no	yes		extreme lean
4130	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	13	6	yes	0	4	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4131	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	no	no	3	2	2	yes	0	1	fair	no	yes		no
4132	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	8	6	5	yes	0	2	good	yes	yes		no
4133	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	10	8	4	yes	0	1	fair	no	yes		lean
4134	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	5	6	yes	0	2	good	yes	yes		slight lean
4135	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	10	13	13	yes	2	17	good	no	yes		lean
4136	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	5	3	yes	0	1	good	yes	yes		slight lean
4137	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	6	4	yes	0	2	good	no	yes		slight lean
4138	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	11	4	yes	0	3	good	no	yes		lean
4139	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	3	3	yes	0	1	good	yes	yes		no
4140	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	11	6	yes	0	6	good	no	yes		slight lean
4141	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	4	3	yes	0	1	good	no	yes		no
4142	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	10	5	yes	0	3	fair	no	yes		lean
4143	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	7	3	yes	0	1	fair	no	yes		slight lean
4144	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	9	2	yes	0	3	poor	no	yes		lean
4145	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	5	4	3	yes	0	1	good	yes	yes		slight lean
4146	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	8	8	yes	0	2	fair	no	yes		no
4147	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	6	11	4	yes	0	5	poor	no	yes		lean
4148	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	7	6	yes	0	2	good	no	yes		no
4149	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	4	3	yes	0	1	fair	no	yes		lean
4150	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	no	no	2	1	1	yes	0	1	good	yes	yes		no
4151	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	10	8	yes	1	3	fair	no	yes		lean
4152	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	5	10	3	yes	0	1	fair	no	yes		no
4153	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	12	10	yes	1	4	good	no	yes		lean
4154	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	7	8	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
4155	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	5	2	yes	0	1	good	no	yes		no
4156	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	3	2	yes	0	1	fair	no	yes		no
4157	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4158	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	7	5	yes	0	2	fair	no	yes		slight lean
4159	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	13	7	yes	0	3	fair	no	yes		lean
4160	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	12	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
4161	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	4	3	yes	0	1	fair	no	yes		lean
4162	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	10	8	yes	0	3	fair	no	yes		lean
4163	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	12	10	yes	0	7	fair	no	yes		lean
4164	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4165	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	13	n/a	yes	0	11	dead; moderately aged	n/a	yes		n/a
4166	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	5	3	3	yes	0	1	good	no	yes		slight lean
4167	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	13	10	yes	3	14	fair	no	yes		lean
4168	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	11	14	12	yes	3	17	good	no	yes		slight lean
4169	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	10	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
4170	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	9	12	10	yes	0	7	fair	no	yes		lean
4172	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	13	10	yes	3	9	fair	no	yes		extreme lean
4173	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	4	2	2	yes	0	1	fair	no	yes		no
4174	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4175	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	10	n/a	yes	0	6	dead; moderately aged	n/a	yes		n/a
4176	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	12	5	3	yes	0	1	good	no	yes		slight lean
4177	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	4	3	yes	0	1	good	no	yes		no
4178	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	10	8	yes	0	3	fair	no	yes		lean
4179	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	10	5	yes	0	3	dead; standing	n/a	yes		extreme lean
4180	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	5	2	yes	0	1	fair	no	yes		no
4181	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	2	2	yes	0	1	good	yes	yes		no
4182	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	7	5	yes	0	4	fair	no	yes		lean
4183	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		lean
4184	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	9	6	yes	1	3	fair	no	yes		lean
4185	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	12	13	10	yes	2	17	fair	no	yes		lean
4186	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4187	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	12	9	yes	1	15	fair	no	yes		extreme lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4188	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	7	2	3	yes	0	2	good	yes	yes		slight lean
4189	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	7	9	yes	0	1	fair	no	yes		extreme lean
4190	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	no	no	2	2	2	yes	0	1	dead; standing	n/a	yes		slight lean
4191	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	no	no	3	2	1	yes	0	1	dead; standing	n/a	yes		slight lean
4192	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		slight lean
4193	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	10	10	yes	0	3	critical	no	yes		extreme lean
4194	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	4	2	2	yes	0	1	fair	no	yes		no
4195	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4196	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	8	4	yes	1	1	good	yes	yes		slight lean
4197	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	12	5	4	yes	0	1	good	no	yes		slight lean
4198	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	11	8	yes	1	2	good	no	yes		lean
4199	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	12	5	4	yes	0	1	good	yes	yes		slight lean
4200	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	12	9	yes	2	5	fair	no	yes		lean
4201	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	6	6	yes	0	2	good	no	yes		slight lean
4202	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	3	3	yes	0	1	fair	no	yes		slight lean
4203	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	8	7	yes	0	5	fair	no	yes		lean
4204	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4205	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	12	n/a	yes	0	7	dead; moderately aged	n/a	yes		n/a
4206	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	5	2	2	yes	0	1	good	yes	yes		no
4207	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	10	8	yes	0	5	fair	no	yes		crown leanin
4208	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	10	6	yes	0	7	dead; standing	n/a	yes		no
4209	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	10	5	yes	0	3	dead; standing	n/a	yes		lean
4210	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	no	no	1	1	1	yes	0	1	poor	no	yes		no
4211	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	3	2	yes	0	1	good	yes	yes		no
4212	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	10	8	yes	1	9	fair	no	yes		lean
4213	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	11	8	yes	1	7	fair	no	yes		lean
4214	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		no
4215	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	9	3	yes	0	2	fair	no	yes		lean
4216	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	12	13	15	yes	4	27	fair	no	yes		lean
4217	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	11	9	yes	2	7	fair	no	yes		lean
4218	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	12	4	3	yes	0	1	good	no	yes		lean
4219	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	9	7	yes	0	4	poor	no	yes		lean
4220	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	5	5	2	yes	0	1	good	no	yes		slight lean
4221	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	10	6	yes	3	7	good	no	yes		lean
4222	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
4223	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	13	4	yes	2	3	fair	no	yes		slight lean
4224	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	12	8	yes	2	7	poor	no	yes		lean
4225	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	11	5	yes	0	3	poor	no	yes		crown leanin
4226	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	7	12	8	yes	2	6	fair	no	yes		lean
4227	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	9	11	6	yes	2	5	fair	no	yes		lean
4228	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	12	11	10	yes	4	16	poor	no	yes		lean
4229	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	14	10	n/a	yes	0	15	dead; moderately aged	n/a	yes		n/a
4230	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	11	7	yes	2	7	fair	no	yes		lean
4231	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	8	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
4232	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	14	7	5	yes	0	3	fair	no	yes		lean
4233	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	15	7	4	yes	1	1	fair	no	yes		lean
4234	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4235	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	10	8	yes	0	6	dead; standing	n/a	yes		lean
4236	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	4	4	3	yes	0	1	good	yes	yes		no
4237	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	13	6	3	yes	0	2	poor	no	yes		slight lean
4238	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	12	12	yes	1	5	fair	no	yes		lean
4239	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	12	12	yes	4	14	fair	no	yes		extreme lean
4240	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	14	8	6	yes	1	1	fair	no	yes		extreme lean
4241	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	3	2	yes	0	1	good	yes	yes		slight lean
4242	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	11	6	yes	1	5	fair	no	yes		lean
4243	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	no	no	1	1	1	yes	0	1	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4244	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	11	9	yes	1	5	poor	no	yes		extreme lean
4245	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	9	9	yes	1	5	fair	no	yes		extreme lean
4246	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	9	6	yes	0	3	fair	no	yes		lean
4247	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	14	15	12	yes	5	29	fair	no	yes		lean
4248	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
4249	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	12	n/a	yes	0	9	dead; moderately aged	n/a	yes		n/a
4250	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	6	7	4	yes	1	1	good	no	yes		slight lean
4251	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	10	6	yes	3	8	good	no	yes		slight lean
4252	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4253	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	5	3	yes	0	1	good	yes	yes		no
4254	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	7	3	yes	0	1	good	yes	yes		slight lean
4255	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	5	3	yes	0	1	good	no	yes		slight lean
4256	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	6	12	6	yes	0	11	critical	no	yes		lean
4257	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4258	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	10	6	yes	0	7	fair	no	yes		lean
4259	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	12	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
4260	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	4	3	yes	0	1	poor	no	yes		lean
4261	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4262	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4263	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4264	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4265	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	12	12	10	yes	5	18	good	no	yes		no
4266	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4267	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	10	7	yes	0	8	fair	no	yes		crown leanin
4268	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	12	8	7	yes	1	5	fair	no	yes	mammal burrow at base	slight lean
4269	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	11	12	10	yes	2	16	fair	no	yes		lean
4270	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4271	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	12	12	8	yes	0	5	fair	no	no		slight lean
4272	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	12	12	10	yes	1	7	fair	no	no		no
4273	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	11	6	yes	0	3	fair	no	no		no
4274	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	n/a	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	no		n/a
4275	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	14	16	8	yes	0	13	poor	no	no		no
4276	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	10	9	4	yes	0	3	fair	no	no		slight lean
4277	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	10	12	3	yes	0	1	fair	no	no		lean
4278	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	no		n/a
4279	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	13	10	3	yes	0	3	fair	no	no		crown leanin
4280	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	10	6	2	yes	0	1	fair	no	no		no
4281	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	16	14	10	yes	0	21	poor	no	no		no
4282	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	13	8	yes	1	11	poor	no	no		slight lean
4283	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	8	3	yes	0	1	good	no	no		no
4284	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	10	11	5	yes	0	5	fair	no	no		no
4285	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	13	12	9	yes	0	7	poor	no	no		lean
4286	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	13	14	12	yes	0	12	fair	no	no		lean
4287	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	9	12	6	yes	0	5	fair	no	no		no
4288	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	10	14	14	yes	0	9	fair	no	no		lean
4289	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	10	9	3	yes	1	1	good	yes	no		no
4290	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	10	11	8	yes	0	4	poor	no	no		extreme lean
4291	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	13	11	10	yes	0	9	poor	no	no		lean
4292	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	6	4	3	yes	0	1	good	yes	no		no
4293	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	13	14	6	yes	0	6	poor	no	no		lean
4294	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	8	12	7	yes	0	4	poor	no	no		lean
4295	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	15	14	12	yes	2	22	poor	no	no		lean
4296	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	no		n/a
4297	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	8	10	3	yes	0	3	dead; standing	n/a	no		slight lean
4298	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	13	16	9	yes	1	10	fair	no	no		lean
4299	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	12	10	3	yes	1	1	fair	no	no		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4300	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	10	11	7	yes	1	3	fair	no	no		no
4301	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	10	13	5	yes	0	6	fair	no	no		no
4302	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	10	14	10	yes	0	9	fair	no	no		no
4303	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	10	10	5	yes	0	7	fair	no	no		no
4304	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	8	10	4	yes	0	2	fair	no	no		lean
4305	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	8	13	13	yes	0	8	fair	no	no		extreme lean
4306	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	no		n/a
4307	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	15	12	yes	0	12	good	no	no		no
4308	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	12	14	8	yes	0	7	fair	no	no		slight lean
4309	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	12	11	3	yes	0	1	poor	no	no		crown leaning
4310	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; freshly fallen	n/a	no		n/a
4312	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	13	8	yes	0	8	good	no	no		no
4313	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	4	3	2	yes	0	1	fair	no	no		extreme lean
4314	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	4	4	3	yes	0	1	fair	no	no		no
4315	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	13	12	12	yes	0	10	good	no	no		slight lean
4316	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	8	4	yes	0	1	fair	no	no		no
4317	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	14	16	12	yes	0	13	good	no	no		lean
4318	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	7	5	3	yes	0	1	good	yes	no		no
4319	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	8	6	3	yes	0	1	good	no	no		no
4320	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	8	9	3	yes	1	1	fair	no	no		no
4321	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	15	17	12	yes	1	15	fair	no	no		slight lean
4322	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	16	18	15	yes	3	30	good	no	no		no
4326	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	13	10	8	yes	0	5	fair	no	no		no
4327	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	13	12	5	yes	0	2	fair	no	no		lean
4328	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	11	4	yes	0	1	fair	no	no		lean
4329	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	11	5	yes	0	1	fair	no	no		lean
4330	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	8	5	3	yes	0	1	good	yes	no		no
4331	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	9	13	7	yes	0	6	fair	no	no		lean
4332	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	14	6	yes	0	3	poor	no	no		lean
4333	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	6	4	3	yes	0	1	good	yes	no		no
4334	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	13	14	4	yes	1	3	fair	no	no		lean
4335	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	14	12	10	yes	0	10	poor	no	no		lean
4336	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	12	11	8	yes	0	3	poor	no	no		slight lean
4337	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	8	6	5	yes	0	2	good	no	no		lean
4338	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	11	9	4	yes	0	2	fair	no	no		slight lean
4339	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	7	10	8	yes	0	2	critical	no	no		lean
4340	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	6	4	3	yes	0	1	fair	no	no		no
4341	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	11	12	6	yes	0	5	good	no	no		slight lean
4342	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	12	11	4	yes	0	1	fair	no	no		no
4343	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	5	3	2	yes	0	1	good	yes	no		no
4344	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	12	6	3	yes	0	1	good	no	no		no
4345	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	6	4	3	yes	0	1	good	no	no		no
4346	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	13	12	10	yes	0	5	fair	no	no		no
4347	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	13	14	8	yes	0	5	fair	no	no		lean
4348	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	13	7	4	yes	0	1	fair	no	no		crown leaning
4349	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	11	12	10	yes	0	6	fair	no	no		lean
4350	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	12	16	12	yes	2	18	fair	no	no		lean
4351	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	10	10	8	yes	0	7	fair	no	no		lean
4352	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	11	10	8	yes	1	3	fair	no	no		no
4353	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	14	17	12	yes	0	17	fair	no	no		lean
4354	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	11	11	5	yes	0	5	fair	no	no		lean
4355	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	10	12	8	yes	0	7	fair	no	no		lean
4356	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	9	5	3	yes	0	1	fair	no	no		no
4357	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	5	3	2	yes	0	1	good	yes	no		no
4358	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	9	7	4	yes	0	1	fair	no	no		slight lean
4359	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	10	5	3	yes	0	1	fair	no	no		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4360	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	12	14	10	yes	0	11	fair	no	no		lean
4361	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	3	3	2	yes	0	1	fair	no	no		no
4362	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	10	6	3	yes	0	1	fair	no	no		slight lean
4363	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	12	15	15	yes	4	25	poor	no	no		lean
4364	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	5	4	3	yes	0	1	fair	no	no		no
4365	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	8	10	5	yes	0	4	good	no	no		slight lean
4366	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	9	13	10	yes	0	5	fair	no	no		lean
4367	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	5	3	2	yes	0	1	fair	no	no		slight lean
4368	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	13	13	10	yes	0	10	poor	no	no		extreme lean
4369	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	11	11	6	yes	0	5	good	yes	no		no
4370	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	13	13	10	yes	1	11	fair	no	no		lean
4373	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	no		n/a
4376	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	10	11	8	yes	0	9	fair	no	no		no
4377	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	11	11	8	yes	1	6	fair	no	no		lean
4378	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	12	8	5	yes	1	3	good	yes	no		no
4379	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	14	4	yes	0	4	fair	no	yes		slight lean
4380	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	14	11	6	yes	1	3	good	no	no		crown leaning
4381	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	13	12	9	yes	1	8	fair	no	no		extreme lean
4382	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	15	14	16	yes	8	30	poor	no	no		lean
4383	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	12	10	6	yes	1	5	poor	no	no		lean
4384	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	14	15	12	yes	3	15	fair	no	no		lean
4385	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	15	15	12	yes	1	15	fair	no	no		lean
4386	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	12	9	3	yes	1	1	good	yes	no		no
4387	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	16	14	12	yes	0	20	poor	no	no		lean
4390	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	18	5	3	yes	0	1	fair	no	no		no
4391	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	22	18	13	yes	4	25	fair	no	no		extreme lean
4392	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	18	18	15	yes	0	20	fair	no	no		lean
4393	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	22	18	15	yes	2	25	fair	no	no		lean
4394	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	6	4	3	yes	0	1	good	yes	no		no
4395	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	16	15	8	yes	0	9	fair	no	no		lean
4396	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	18	16	10	yes	1	11	fair	no	no		lean
4397	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	no		n/a
4398	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	2	2	2	yes	0	1	good	yes	no		no
4399	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	6	4	3	yes	0	1	fair	no	no		no
4400	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	no		n/a
4401	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	16	13	13	yes	4	22	fair	no	no		slight lean
4402	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	6	5	3	yes	0	1	fair	no	no		no
4403	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	20	14	10	yes	3	18	critical	no	no		lean
4404	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	25	21	15	yes	3	30	poor	no	no		extreme lean
4405	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	2	2	2	yes	0	1	fair	no	no		no
4406	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	22	14	15	yes	0	22	poor	no	no		extreme lean
4407	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	12	7	3	yes	0	1	fair	no	no		no
4408	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	no		n/a
4409	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	25	18	20	yes	5	35	fair	no	no		slight lean
4411	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	20	14	12	yes	4	11	good	no	no		slight lean
4412	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	18	14	8	yes	1	6	fair	no	no		lean
4414	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	12	8	4	yes	0	1	fair	no	no		no
4418	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	8	5	3	yes	0	1	fair	no	no		no
4419	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	25	18	15	yes	3	20	fair	no	no		no
4420	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	25	12	12	yes	0	12	dead; standing	n/a	no		lean
4421	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	22	15	10	yes	1	11	fair	no	no		no
4422	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	8	5	3	yes	0	1	good	yes	no		no
4423	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	14	15	12	yes	0	23	fair	no	no		no
4424	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	no	14	11	4	yes	0	3	fair	no	no		no
4425	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	6	8	6	yes	0	2	good	no	yes		lean
4426	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	12	9	4	yes	0	4	fair	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4427	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	10	7	yes	2	10	fair	no	yes		lean
4428	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	14	12	10	yes	2	16	good	yes	yes		no
4429	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	11	7	yes	0	8	poor	no	yes		lean
4430	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	9	14	10	yes	1	19	poor	no	yes		lean
4431	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	13	11	8	yes	3	9	fair	no	yes		lean
4432	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	8	12	9	yes	1	11	fair	no	yes		extreme lean
4433	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	9	12	10	yes	0	18	fair	no	yes		extreme lean
4434	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	11	14	10	yes	3	35	poor	no	yes		lean
4435	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	12	9	5	yes	1	4	fair	no	yes		slight lean
4436	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4437	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	12	8	yes	1	13	fair	no	yes		lean
4438	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4439	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	9	12	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
4440	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	11	12	9	yes	0	16	dead; freshly fallen	n/a	yes		n/a
4441	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4442	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4443	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4444	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	6	11	6	yes	1	6	fair	no	yes		lean
4445	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	no	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4446	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	5	4	3	yes	0	1	fair	no	yes		no
4447	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4448	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	11	6	3	yes	0	1	fair	no	yes		slight lean
4449	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4450	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	7	13	7	yes	0	20	critical	no	yes		lean
4451	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	8	9	5	yes	0	3	fair	no	yes		lean
4452	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	9	12	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
4453	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	5	4	3	yes	0	1	fair	no	yes		lean
4454	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	5	4	3	yes	0	1	fair	no	yes		lean
4455	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	13	15	n/a	yes	0	20	dead; moderately aged	n/a	yes		n/a
4456	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	7	12	8	yes	0	5	poor	no	yes		extreme lean
4457	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	9	12	8	yes	2	9	poor	no	yes		lean
4458	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4459	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4460	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	10	14	9	yes	0	35	fair	no	yes		lean
4461	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	11	13	10	yes	5	15	good	no	yes		no
4462	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	12	15	12	yes	1	35	poor	no	yes		slight lean
4463	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	6	7	3	yes	0	1	fair	no	yes		lean
4464	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	12	13	12	yes	6	28	fair	no	yes		crown lean
4465	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	10	10	7	yes	0	10	fair	no	yes		lean
4466	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	13	14	12	yes	9	45	poor	no	yes		lean
4467	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	5	9	5	yes	0	6	fair	no	yes		lean
4468	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4469	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	12	7	yes	0	4	fair	no	yes		lean
4470	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	6	8	6	yes	0	7	fair	no	yes		lean
4471	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	5	3	3	yes	0	1	good	yes	yes		no
4472	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	14	17	15	yes	11	50	fair	no	yes		slight lean
4473	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	12	10	yes	0	10	poor	no	yes		lean
4474	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4475	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	6	11	8	yes	0	8	fair	no	yes		lean
4476	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	7	10	6	yes	2	6	fair	no	yes		slight lean
4477	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	4	6	3	yes	0	1	fair	no	yes		lean
4478	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4479	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	11	13	10	yes	3	40	poor	no	yes		no
4480	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	13	15	13	yes	6	50	fair	no	yes		no
4481	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	6	5	3	yes	0	1	fair	no	yes		lean
4482	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	8	12	10	yes	0	30	poor	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4483	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	8	5	4	yes	0	2	fair	no	yes		lean
4484	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	7	6	3	yes	0	1	fair	no	yes		slight lean
4485	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	6	6	4	yes	0	2	fair	no	yes		lean
4486	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	4	4	3	yes	0	1	fair	no	yes		lean
4487	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	8	10	6	yes	1	9	fair	no	yes		lean
4488	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	13	12	13	yes	12	55	fair	no	yes		no
4489	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	4	4	3	yes	0	2	fair	no	yes		no
4490	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	5	5	3	yes	0	1	fair	no	yes		no
4491	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	12	8	yes	0	15	fair	no	yes		lean
4492	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	8	10	10	yes	1	13	poor	no	yes		slight lean
4493	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	7	6	5	yes	0	2	fair	no	yes		lean
4494	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	11	13	10	yes	3	13	fair	no	yes		slight lean
4495	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	9	10	4	yes	2	3	fair	no	yes		lean
4496	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	4	3	2	yes	0	1	fair	no	yes		lean
4497	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	5	6	3	yes	0	1	fair	no	yes		slight lean
4498	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	9	13	12	yes	7	35	fair	no	yes		slight lean
4499	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	11	10	yes	5	28	fair	no	yes		lean
4500	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	12	9	yes	0	27	fair	no	yes		extreme lean
4501	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4502	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	13	14	6	yes	0	14	critical	no	yes		slight lean
4503	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	10	7	4	yes	0	4	dead; standing	n/a	yes		slight lean
4504	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	5	3	1	yes	0	1	good	no	yes		no
4505	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	15	18	14	yes	5	75	good	no	yes		slight lean
4506	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	11	10	5	yes	0	17	good	no	yes		no
4507	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	1	1	1	yes	0	1	good	no	yes		no
4508	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	9	5	yes	1	5	good	no	yes		slight lean
4509	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4510	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	13	5	yes	2	18	good	no	yes		slight lean
4511	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	7	6	3	yes	0	3	good	no	yes		no
4512	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4513	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	3	2	yes	0	1	good	yes	yes		no
4514	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		no
4515	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	6	4	2	yes	0	1	good	yes	yes		no
4516	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	5	5	2	yes	0	1	good	yes	yes		no
4517	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	13	8	yes	1	18	fair	no	yes		extreme lean
4518	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	14	7	yes	1	18	good	no	yes		lean
4519	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	12	4	yes	1	10	good	no	yes		lean
4520	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4521	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	9	4	yes	1	6	good	no	yes		slight lean
4522	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	8	12	4	yes	0	13	good	no	yes		slight lean
4523	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	9	10	5	yes	0	12	good	yes	yes		no
4524	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	9	13	6	yes	2	15	good	no	yes		slight lean
4525	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	11	12	7	yes	2	14	good	yes	yes		slight lean
4526	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4527	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4528	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/31/2022	yes	no	15	20	19	yes	12	60	good	no	yes		no
4529	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	9	7	yes	1	17	good	no	yes		extreme lean
4530	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	15	16	14	yes	8	65	good	no	yes		extreme lean
4531	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	7	6	2	yes	0	1	good	yes	yes		no
4532	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	15	11	yes	2	10	good	no	yes		lean
4533	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4534	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4535	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	16	13	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4536	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	11	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4537	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4538	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	7	13	n/a	yes	0	n/a	dead; freshly fallen	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4539	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	11	5	yes	1	5	good	no	yes		slight lean
4540	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	11	7	yes	1	9	good	no	yes		lean
4541	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		slight lean
4542	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
4543	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	14	20	13	yes	20	100+	good	no	yes		lean
4544	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	11	4	yes	0	11	good	no	yes		slight lean
4545	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	14	12	yes	6	60	good	no	yes		slight lean
4546	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4547	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	5	4	3	yes	0	2	good	yes	yes		slight lean
4548	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	8	6	yes	3	17	good	no	yes		no
4549	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	7	13	11	yes	6	23	good	no	yes		extreme lean
4550	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	5	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4551	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	13	13	11	yes	12	65	good	no	yes		crown leaning
4552	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	12	16	14	yes	9	60	good	no	yes		slight lean
4553	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	13	7	yes	3	13	good	no	yes		slight lean
4554	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	11	13	12	yes	9	65	good	no	yes		lean
4555	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
4556	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	5	10	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4557	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	11	13	8	yes	11	35	good	no	yes		lean
4558	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	6	6	2	yes	0	1	good	no	yes		no
4559	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	5	2	yes	0	1	dead; freshly fallen	n/a	yes		n/a
4560	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	7	2	yes	0	2	good	no	yes		no
4561	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	9	9	6	yes	2	8	good	yes	yes		slight lean
4562	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	9	4	yes	0	5	good	yes	yes		slight lean
4563	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	10	4	yes	1	7	good	no	yes		slight lean
4564	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	11	13	7	yes	4	13	good	no	yes		slight lean
4565	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4566	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	15	15	14	yes	14	100+	good	no	yes		no
4567	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	11	5	yes	0	20	good	no	yes		lean
4568	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	9	12	5	yes	1	11	good	yes	yes		slight lean
4569	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	18	16	20	yes	11	50	fair	no	yes		extreme lean
4570	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	9	n/a	dead; severely aged	n/a	yes		n/a
4571	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	15	7	yes	5	23	fair	no	yes		no
4572	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	5	2	yes	0	1	good	yes	yes		no
4573	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	5	7	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
4574	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	13	6	yes	2	10	good	no	yes		lean
4575	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	11	4	yes	0	7	good	yes	yes		no
4576	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4577	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
4578	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4579	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
4580	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	13	12	yes	0	14	fair	no	yes		lean
4581	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	10	3	yes	0	1	good	no	yes		no
4582	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	10	15	10	yes	1	23	good	no	yes		lean
4583	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	9	12	15	yes	11	60	good	no	yes		lean
4584	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	7	14	9	yes	4	24	good	yes	yes		slight lean
4585	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	10	5	yes	4	14	good	no	yes		no
4586	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4587	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	7	4	yes	1	4	good	no	yes		slight lean
4588	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	5	6	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
4589	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	12	11	8	yes	3	24	good	yes	yes		no
4590	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	15	13	yes	5	30	fair	no	yes		extreme lean
4591	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	11	12	5	yes	3	14	good	yes	yes		slight lean
4592	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	6	5	2	yes	0	1	good	yes	yes		no
4593	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4594	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	13	7	yes	2	10	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4595	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4596	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	10	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4597	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	8	11	4	yes	0	5	good	no	yes		slight lean
4598	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	11	4	yes	0	5	good	no	yes		no
4599	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	no	8	5	2	yes	0	1	good	yes	yes		no
4600	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	13	7	yes	1	13	good	no	yes		no
4601	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	23	16	12	yes	2	35	fair	no	yes		extreme lean
4602	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	7	2	yes	2	3	good	no	yes		slight lean
4603	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	10	6	yes	1	9	good	no	yes		slight lean
4604	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	13	6	yes	3	13	good	no	yes		slight lean
4605	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4606	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	14	18	15	yes	11	100+	good	no	yes		no
4607	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	8	2	yes	0	2	good	no	yes		slight lean
4608	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	5	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4609	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4610	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4611	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4612	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4613	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4614	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	6	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4615	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	6	10	4	yes	0	4	good	no	yes		slight lean
4616	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	18	12	yes	2	33	good	no	yes		slight lean
4617	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	7	10	4	yes	1	7	good	no	yes		slight lean
4618	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	12	6	yes	0	9	good	yes	yes		slight lean
4619	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	7	3	yes	0	2	good	yes	yes		slight lean
4620	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	12	9	yes	2	28	good	no	yes		slight lean
4621	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4622	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	11	6	yes	4	24	good	no	yes		slight lean
4623	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	14	11	yes	0	65	fair	no	yes		lean
4624	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	7	12	10	yes	2	36	good	no	yes		lean
4625	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4626	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	6	8	3	yes	0	6	good	no	yes	one stem appears to be saw cut	no
4627	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	11	7	yes	2	13	good	yes	yes		slight lean
4628	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	14	20	20	yes	15	100+	good	no	yes		lean
4629	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	5	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4630	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	14	9	yes	2	35	good	yes	yes		slight lean
4631	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	15	8	yes	0	30	good	no	yes		extreme lean
4632	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	11	3	yes	0	6	good	no	yes		extreme lean
4633	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	11	5	yes	0	9	good	yes	yes		slight lean
4634	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	5	7	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4635	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	12	6	yes	0	8	good	no	yes		slight lean
4636	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	11	5	yes	1	5	good	no	yes		extreme lean
4637	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4638	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	13	9	yes	1	19	good	no	yes		lean
4639	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	13	6	yes	2	15	good	yes	yes		no
4640	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	12	4	yes	2	6	good	yes	yes		no
4641	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	13	9	yes	1	18	good	no	yes		slight lean
4642	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4643	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	5	6	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4644	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	5	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4645	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	11	12	7	yes	2	17	good	yes	yes		no
4646	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	13	6	yes	0	11	good	yes	yes		no
4647	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	11	5	yes	0	5	good	yes	yes		no
4648	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	10	4	yes	0	3	good	no	yes		slight lean
4649	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4650	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	10	2	yes	0	3	fair	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4651	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	12	3	yes	0	5	good	yes	yes		slight lean
4652	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4653	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	13	5	yes	0	5	good	no	yes		slight lean
4654	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	6	2	yes	0	1	good	no	yes		slight lean
4655	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	6	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4656	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	10	5	yes	1	5	good	no	yes		lean
4657	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	11	5	yes	0	5	good	no	yes		slight lean
4658	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	10	3	yes	0	4	good	yes	yes		slight lean
4659	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	13	8	yes	1	23	good	no	yes		lean
4660	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	11	4	yes	2	3	good	no	yes		slight lean
4661	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	13	6	yes	1	12	good	no	yes		no
4662	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	13	5	yes	0	9	good	no	yes		slight lean
4663	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	13	6	yes	3	10	good	yes	yes		no
4664	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	13	6	yes	0	16	good	no	yes		lean
4665	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	14	6	yes	1	14	good	no	yes		no
4666	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	13	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4667	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	13	8	yes	0	18	good	no	yes		lean
4668	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	12	8	yes	0	12	good	yes	yes		slight lean
4669	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	9	3	yes	0	4	good	no	yes		slight lean
4670	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4671	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	12	8	yes	0	12	good	no	yes		slight lean
4672	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4673	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	7	12	5	yes	2	5	good	no	yes		lean
4674	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	14	9	yes	1	16	good	no	yes		lean
4675	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	5	4	2	yes	0	1	good	yes	yes		no
4676	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	12	5	yes	0	6	good	no	yes		slight lean
4677	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	11	3	yes	1	5	good	no	yes		no
4678	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	14	9	yes	0	23	good	no	yes		slight lean
4679	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	12	5	yes	0	7	good	yes	yes		slight lean
4680	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		slight lean
4681	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	13	6	yes	0	11	good	no	yes		lean
4682	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		slight lean
4683	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	12	6	yes	0	10	good	yes	yes		slight lean
4684	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	8	5	yes	0	4	good	yes	yes		slight lean
4685	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	13	6	yes	1	5	good	no	yes		slight lean
4686	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
4687	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	9	2	yes	0	1	good	no	yes		no
4688	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	8	5	yes	1	8	good	no	yes		slight lean
4689	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	12	12	8	yes	2	18	good	yes	yes		slight lean
4690	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	12	6	yes	1	12	good	no	yes		slight lean
4691	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	11	8	6	yes	1	22	good	no	yes		lean
4692	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	15	8	yes	1	30	good	yes	yes		slight lean
4693	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	9	3	yes	0	5	good	yes	yes		no
4694	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	10	14	9	yes	4	65	good	yes	yes		slight lean
4695	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	1	1	1	yes	0	1	good	yes	yes		no
4696	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	4	2	1	yes	0	1	good	yes	yes		no
4697	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4698	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	13	7	yes	2	11	good	no	yes		slight lean
4699	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	17	7	yes	0	19	good	no	yes		extreme lean
4700	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	8	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4701	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	4	4	2	yes	0	1	good	no	yes		slight lean
4702	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	17	22	20	yes	34	100+	good	no	yes		extreme lean
4703	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	16	22	22	yes	4	100+	fair	no	yes		extreme lean
4704	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	9	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4705	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	12	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4706	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	11	11	5	yes	0	8	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4707	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	10	13	5	yes	2	12	good	yes	yes		slight lean
4708	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	9	15	8	yes	0	17	good	yes	yes		slight lean
4709	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	11	10	7	yes	0	7	good	yes	yes		slight lean
4710	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	12	4	yes	0	6	good	no	yes		lean
4711	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	13	8	yes	0	15	good	no	yes		lean
4712	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		no
4713	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	11	15	10	yes	1	65	good	yes	yes		slight lean
4714	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	14	7	yes	1	17	good	no	yes		no
4715	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	11	15	13	yes	1	42	good	yes	yes		no
4716	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	6	1	yes	0	1	good	no	yes		lean
4717	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	14	16	15	yes	4	100+	good	no	yes		extreme lean
4718	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	8	8	4	yes	0	3	good	yes	yes		slight lean
4719	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	8	9	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4720	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	9	9	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4721	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	14	18	12	yes	0	45	fair	no	yes		slight lean
4722	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	12	10	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4723	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4724	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4725	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	10	5	yes	2	5	good	no	yes		slight lean
4726	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		lean
4727	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	10	14	12	yes	3	22	good	no	yes		lean
4728	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	15	12	yes	0	50	good	no	yes		slight lean
4729	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	13	4	yes	1	7	good	no	yes		slight lean
4730	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	7	13	8	yes	0	7	good	no	yes		lean
4731	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	7	11	5	yes	0	5	good	no	yes		no
4732	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	8	11	4	yes	0	4	good	no	yes		lean
4733	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	10	3	yes	0	5	fair	no	yes		slight lean
4734	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	15	10	yes	0	25	good	no	yes		extreme lean
4735	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	13	10	yes	2	19	good	no	yes		slight lean
4736	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	8	3	yes	1	7	good	no	yes		slight lean
4737	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	9	13	10	yes	4	25	fair	no	yes		extreme lean
4738	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	11	13	11	yes	4	55	good	yes	yes		slight lean
4739	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	12	10	yes	0	19	fair	no	yes		slight lean
4740	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	10	7	3	yes	0	6	good	yes	yes		slight lean
4741	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	13	10	yes	2	25	fair	no	yes		extreme lean
4742	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	11	7	yes	1	18	good	no	yes		lean
4743	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	7	9	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4744	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	8	10	10	yes	0	19	good	yes	yes		no
4745	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	12	6	yes	0	9	good	no	yes		slight lean
4746	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	10	7	yes	0	13	fair	no	yes		lean
4747	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	8	5	yes	1	10	good	no	yes		slight lean
4748	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	12	8	yes	0	26	good	no	yes		lean
4749	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	7	5	2	yes	0	1	good	yes	yes		slight lean
4750	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	9	12	7	yes	0	5	good	yes	yes		slight lean
4751	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	9	7	yes	3	20	good	no	yes		slight lean
4752	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	9	10	5	yes	2	15	good	no	yes		lean
4753	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	7	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4754	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	13	10	yes	1	15	good	no	yes		lean
4755	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	9	13	12	yes	0	33	good	no	yes		lean
4756	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	15	10	yes	2	35	good	no	yes		lean
4757	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	11	13	7	yes	1	14	good	yes	yes		no
4758	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	11	9	5	yes	0	8	good	no	yes		no
4759	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	8	2	yes	1	1	good	no	yes		lean
4760	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	10	2	yes	1	3	good	no	yes		extreme lean
4761	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	7	4	yes	0	2	good	no	yes		slight lean
4762	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	9	5	yes	0	11	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4763	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	12	11	yes	1	29	good	no	yes		lean
4764	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	13	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4765	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	13	10	yes	1	55	good	yes	yes		no
4766	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	14	10	yes	0	38	good	yes	yes		slight lean
4767	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	9	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4768	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	13	11	yes	1	40	good	yes	yes		slight lean
4769	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	12	6	yes	2	6	good	no	yes		slight lean
4770	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	14	8	yes	4	35	good	yes	yes		slight lean
4771	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	8	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4772	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	15	11	yes	2	40	good	no	yes		slight lean
4773	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	15	12	yes	0	40	good	no	yes		lean
4774	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	2	1	1	yes	0	1	good	yes	yes		no
4775	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	7	5	yes	0	2	good	no	yes		lean
4776	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	14	7	yes	1	13	good	no	yes		no
4777	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	6	3	yes	0	1	good	no	yes		slight lean
4778	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		lean
4779	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4780	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	7	3	yes	1	1	good	no	yes		lean
4781	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	8	3	yes	0	4	good	no	yes		slight lean
4782	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	15	12	yes	3	45	good	yes	yes		slight lean
4783	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	6	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4784	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4785	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	7	3	yes	0	3	good	no	yes		slight lean
4786	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	9	5	yes	1	13	good	no	yes		extreme lean
4787	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	7	4	yes	0	4	good	no	yes		slight lean
4788	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	8	3	yes	0	6	good	yes	yes		slight lean
4789	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		slight lean
4790	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	2	2	1	yes	0	1	good	yes	yes		no
4791	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	8	3	yes	0	7	good	no	yes		slight lean
4792	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4793	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	7	3	yes	0	3	good	yes	yes		no
4794	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	7	2	yes	0	3	good	yes	yes		slight lean
4795	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	6	3	1	yes	0	1	good	yes	yes		no
4796	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
4797	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	12	6	yes	0	15	good	no	yes		lean
4798	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	3	2	yes	0	2	good	yes	yes		slight lean
4799	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4800	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	8	6	yes	0	13	fair	no	yes		no
4801	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4802	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	8	3	yes	0	3	good	no	yes		slight lean
4803	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	8	10	yes	1	20	good	no	yes		extreme lean
4804	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	6	3	2	yes	0	1	good	yes	yes		no
4805	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	9	5	yes	8	10	good	no	yes		lean
4806	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		slight lean
4807	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	3	1	yes	0	1	good	no	yes		slight lean
4808	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	11	17	12	yes	0	60	good	no	yes		lean
4809	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4810	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	15	14	yes	4	65	fair	no	yes		lean
4811	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	10	4	yes	2	8	good	yes	yes		no
4812	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	11	7	yes	0	16	good	no	yes		lean
4813	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	13	10	yes	4	35	good	no	yes		lean
4814	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	11	5	yes	0	8	good	no	yes		slight lean
4815	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	6	2	yes	0	3	good	no	yes		slight lean
4816	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	6	3	yes	0	1	good	no	yes		slight lean
4817	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	5	3	1	yes	0	1	good	no	yes		no
4818	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	6	4	yes	0	2	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4819	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	6	3	1	yes	0	1	good	yes	yes		slight lean
4820	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		no
4821	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		slight lean
4822	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4823	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	11	6	yes	1	18	good	yes	yes		slight lean
4824	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4825	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	6	3	2	yes	0	1	good	no	yes		no
4826	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	13	9	yes	3	30	good	no	yes		lean
4827	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4828	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	12	6	yes	0	10	good	no	yes		lean
4829	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4830	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	11	18	13	yes	0	70	good	no	yes		slight lean
4831	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	7	5	yes	0	6	good	no	yes		lean
4832	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	12	7	yes	0	21	good	no	yes		slight lean
4833	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	9	6	yes	0	9	good	no	yes		lean
4834	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	12	6	yes	1	14	good	yes	yes		slight lean
4835	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	14	12	yes	0	62	good	yes	yes		slight lean
4836	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	15	9	yes	0	26	good	yes	yes		slight lean
4837	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	13	12	yes	0	45	good	yes	yes		no
4838	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	1	1	1	yes	0	1	good	yes	yes		no
4839	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	11	14	12	yes	2	30	good	no	yes		no
4840	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	13	7	yes	0	35	fair	no	yes		extreme lean
4841	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	11	8	yes	2	14	good	no	yes		lean
4842	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	11	14	8	yes	4	40	good	no	yes		no
4843	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	11	11	yes	3	19	good	no	yes		extreme lean
4844	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	7	3	yes	0	4	good	yes	yes		no
4845	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	11	8	4	yes	0	4	good	no	yes		lean
4846	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	8	3	yes	0	3	good	yes	yes		slight lean
4847	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	7	yes	1	16	good	no	yes		lean
4848	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	10	5	yes	0	5	good	yes	yes		slight lean
4849	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	9	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4850	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	13	7	yes	2	15	good	no	yes		lean
4851	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	6	2	yes	0	1	good	yes	yes		slight lean
4852	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	15	15	12	yes	9	100+	good	no	yes		no
4853	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	9	3	yes	0	4	good	no	yes		lean
4854	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	8	2	yes	0	1	good	no	yes		lean
4855	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	5	2	yes	0	1	good	yes	yes		slight lean
4856	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	14	12	yes	1	45	good	no	yes		no
4857	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	8	3	yes	0	1	good	no	yes		slight lean
4858	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4859	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4860	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		lean
4861	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	12	6	yes	0	6	good	no	yes		slight lean
4862	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	8	3	yes	0	3	good	no	yes		lean
4863	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	7	2	yes	0	1	good	no	yes		lean
4864	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	10	3	yes	0	3	good	no	yes		lean
4865	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4866	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	4	2	yes	0	1	good	no	yes		lean
4867	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	14	8	yes	3	22	good	yes	yes		slight lean
4868	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	14	11	yes	3	18	good	no	yes		slight lean
4869	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	7	2	yes	0	1	good	no	yes		slight lean
4870	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	13	10	yes	2	9	good	no	yes		lean
4871	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	7	3	yes	0	1	good	no	yes		slight lean
4872	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	11	14	12	yes	6	40	good	no	yes		lean
4873	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	14	6	yes	2	16	fair	no	yes		extreme lean
4874	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	3	2	1	yes	0	1	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4875	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		lean
4876	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	12	11	6	yes	1	9	good	no	yes		slight lean
4877	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	6	4	yes	1	2	good	no	yes		lean
4878	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	8	7	yes	0	9	good	no	yes		lean
4879	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	4	5	yes	0	2	good	no	yes		lean
4880	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	9	4	yes	3	4	good	no	yes		lean
4881	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	13	6	yes	2	12	good	no	yes		slight lean
4882	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	7	3	yes	0	3	good	no	yes		slight lean
4883	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	14	12	yes	4	38	good	yes	yes		slight lean
4884	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	13	6	yes	2	12	good	no	yes		lean
4885	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	11	5	yes	0	8	good	no	yes		lean
4886	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	12	8	yes	0	15	good	no	yes		lean
4887	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	5	2	yes	0	1	good	yes	yes		slight lean
4888	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	11	8	yes	1	15	good	no	yes		extreme lean
4889	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	5	2	yes	0	1	good	no	yes		lean
4890	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	11	10	yes	1	5	good	no	yes		extreme lean
4891	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	9	6	yes	1	5	good	no	yes		lean
4892	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	10	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4893	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	11	6	yes	1	9	good	no	yes		lean
4894	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	12	7	yes	0	16	good	no	yes		lean
4895	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	11	12	yes	1	19	good	no	yes		lean
4896	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4897	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	5	9	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4898	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	8	5	yes	0	5	good	no	yes		lean
4899	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	10	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4900	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	14	6	yes	1	19	good	no	yes		slight lean
4901	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	12	13	12	yes	4	50	good	no	yes		no
4902	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	13	7	yes	2	15	good	yes	yes		slight lean
4903	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	12	12	10	yes	0	n/a	dead; freshly fallen	n/a	yes		n/a
4904	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	15	22	10	yes	2	50	fair	no	yes		lean
4905	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	9	5	yes	0	16	good	no	yes		lean
4906	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	5	8	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4907	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	10	6	yes	0	8	good	yes	yes		slight lean
4908	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	11	17	15	yes	2	65	good	no	yes		lean
4909	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	10	7	yes	0	10	fair	no	yes		extreme lean
4910	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	12	16	20	yes	3	48	good	no	yes		extreme lean
4911	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	12	16	14	yes	4	50	good	no	yes		slight lean
4912	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	10	4	yes	0	3	good	no	yes		lean
4913	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	6	6	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4914	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	13	6	yes	0	19	fair	no	yes		extreme lean
4915	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	11	13	14	yes	5	80	fair	no	yes		extreme lean
4916	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	11	6	yes	0	11	good	no	yes		lean
4917	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	11	4	yes	0	3	fair	no	yes		slight lean
4918	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	6	9	6	yes	1	6	good	yes	yes		slight lean
4919	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	13	13	12	yes	6	40	good	yes	yes		slight lean
4920	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	10	6	yes	1	9	good	yes	yes		no
4921	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	14	14	13	yes	4	80	good	no	yes		no
4922	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	14	13	yes	2	45	good	yes	yes		slight lean
4923	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	6	2	yes	0	1	good	yes	yes		no
4924	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	8	3	yes	1	1	good	yes	yes		no
4925	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	6	3	yes	0	1	good	yes	yes		slight lean
4926	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	10	8	yes	1	22	good	yes	yes		slight lean
4927	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	12	9	yes	2	38	good	yes	yes		slight lean
4928	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	6	3	yes	0	4	good	no	yes		no
4929	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	12	20	12	yes	0	60	good	no	yes		no
4930	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	7	2	yes	0	3	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4931	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	5	3	1	yes	0	1	good	no	yes		lean
4932	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	14	12	yes	3	21	fair	no	yes		slight lean
4933	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	12	12	8	yes	0	19	good	yes	yes		no
4934	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	10	5	yes	1	9	good	no	yes		slight lean
4935	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	4	2	2	yes	0	2	good	yes	yes		slight lean
4936	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	13	12	yes	0	18	good	yes	yes		slight lean
4937	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	16	11	yes	3	50	good	no	yes		slight lean
4938	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
4939	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	14	7	yes	0	20	dead; freshly fallen	n/a	yes		n/a
4940	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	7	2	yes	0	1	good	no	yes		slight lean
4941	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	6	4	3	yes	0	2	good	no	yes		slight lean
4942	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	4	5	4	yes	0	1	good	no	yes		extreme lean
4943	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	9	4	yes	1	3	good	no	yes		slight lean
4944	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	9	9	yes	1	35	fair	no	yes		extreme lean
4945	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	10	12	yes	0	36	fair	no	yes		extreme lean
4946	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	12	13	9	yes	3	20	good	yes	yes		no
4947	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	1	1	1	yes	0	1	good	yes	yes		no
4948	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
4949	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	5	3	1	yes	0	1	good	no	yes		lean
4950	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	6	6	4	yes	1	3	good	yes	yes		slight lean
4951	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	9	4	yes	2	4	good	yes	yes		slight lean
4952	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	13	7	yes	2	12	good	no	yes		slight lean
4953	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4954	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	13	14	yes	1	45	good	no	yes		lean
4955	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	4	2	11	yes	0	1	good	yes	yes		slight lean
4956	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	4	2	yes	0	1	poor	no	yes		no
4957	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	9	4	yes	0	9	good	no	yes		lean
4958	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	5	3	yes	0	1	good	no	yes		lean
4959	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	5	4	2	yes	0	1	good	no	yes		lean
4960	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	11	10	yes	2	14	good	no	yes		extreme lean
4961	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	12	8	yes	2	19	good	no	yes		lean
4962	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	5	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4963	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	6	2	yes	0	1	good	no	yes		lean
4964	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	8	4	yes	1	3	good	yes	yes		no
4965	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	12	9	yes	0	20	good	yes	yes		slight lean
4966	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	12	7	3	yes	0	4	good	no	yes		slight lean
4967	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	11	13	yes	0	15	good	no	yes		extreme lean
4968	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	12	10	yes	2	13	good	no	yes		lean
4969	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	12	8	yes	3	18	fair	no	yes		extreme lean
4970	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	11	7	yes	0	12	good	no	yes		lean
4971	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		slight lean
4972	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	12	14	12	yes	2	25	good	no	yes		lean
4973	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	13	13	yes	3	40	fair	no	yes		extreme lean
4974	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	8	3	yes	0	1	good	no	yes		slight lean
4975	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	11	17	14	yes	1	40	good	no	yes		lean
4976	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	3	2	1	yes	0	1	good	no	yes		slight lean
4977	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	13	6	yes	0	18	good	no	yes		lean
4978	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	4	3	yes	0	2	good	no	yes		slight lean
4979	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	6	3	2	yes	0	1	good	no	yes		slight lean
4980	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	15	10	yes	2	28	good	no	yes		lean
4981	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	11	7	yes	0	7	fair	no	yes		lean
4982	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	4	2	yes	0	2	good	no	yes		lean
4983	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	6	2	yes	0	1	good	yes	yes		slight lean
4984	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
4985	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	7	2	yes	0	1	good	no	yes		lean
4986	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	14	11	12	yes	2	30	fair	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
4987	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
4988	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	10	4	yes	0	7	good	no	yes		lean
4989	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	10	4	yes	1	7	good	no	yes		lean
4990	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	5	2	yes	0	1	good	yes	yes		slight lean
4991	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	11	4	yes	1	8	good	no	yes		lean
4992	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	12	6	yes	1	12	good	no	yes		slight lean
4993	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	7	2	yes	0	5	dead; standing	n/a	yes		slight lean
4994	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	10	4	yes	0	6	good	yes	yes		slight lean
4995	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	13	9	yes	0	16	good	no	yes		lean
4996	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	10	3	yes	0	3	good	no	yes		lean
4997	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	9	4	yes	0	2	good	no	yes		lean
4998	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	11	4	yes	0	7	good	no	yes		slight lean
4999	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	12	6	yes	1	9	good	no	yes		lean
5000	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	13	6	yes	0	16	good	no	yes		lean
5001	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	7	11	10	yes	0	8	good	no	yes		extreme lean
5002	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		no
5003	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	9	9	10	yes	0	12	poor	no	yes		extreme lean
5004	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	7	13	8	yes	2	14	good	no	yes		lean
5005	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	10	9	12	yes	3	14	fair	no	yes		lean
5006	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	7	7	6	yes	0	7	fair	no	yes		lean
5007	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	10	8	9	yes	1	19	poor	no	yes		extreme lean
5008	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	10	12	11	yes	0	14	poor	no	yes		extreme lean
5009	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	8	10	12	yes	0	15	poor	no	yes		extreme lean
5010	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		slight lean
5011	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	9	13	10	yes	0	14	good	no	yes		lean
5012	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	10	16	15	yes	2	45	fair	no	yes		extreme lean
5013	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5014	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	4	3	1	yes	0	1	good	yes	yes		slight lean
5015	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	9	9	8	yes	0	7	fair	no	yes		slight lean
5016	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	9	8	9	yes	0	12	poor	no	yes		extreme lean
5017	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	7	9	7	yes	1	4	good	no	yes		lean
5018	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	5	5	2	yes	0	1	good	no	yes		slight lean
5019	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	9	13	10	yes	2	23	good	no	yes		lean
5020	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	9	10	6	yes	1	7	poor	no	yes		lean
5021	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	9	12	8	yes	1	12	good	no	yes		slight lean
5022	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	9	13	10	yes	0	16	poor	no	yes		extreme lean
5023	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	7	13	8	yes	0	10	good	no	yes		slight lean
5024	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	8	10	3	yes	0	3	good	no	yes		slight lean
5025	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	9	9	7	yes	0	7	poor	no	yes		lean
5026	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	11	14	12	yes	0	16	poor	no	yes		extreme lean
5027	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	6	6	7	yes	0	7	poor	no	yes		extreme lean
5028	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	9	9	3	yes	1	1	good	no	yes		slight lean
5029	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		slight lean
5030	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	9	7	4	yes	0	3	poor	no	yes		slight lean
5031	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5032	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/1/2022	yes	yes	8	13	7	yes	0	6	fair	no	yes		no
5033	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	8	7	3	yes	0	1	good	yes	yes		no
5034	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	9	8	6	yes	2	9	good	yes	yes		slight lean
5035	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	10	14	9	yes	1	20	good	no	yes		slight lean
5036	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	10	11	4	yes	0	3	good	yes	yes		slight lean
5037	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	11	13	13	yes	4	30	good	no	yes		slight lean
5038	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	10	5	yes	0	8	good	no	yes		slight lean
5039	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	5	5	7	yes	0	3	good	yes	yes		no
5040	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	8	13	9	yes	0	18	good	no	yes		lean
5041	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		slight lean
5042	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	7	7	3	yes	0	3	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5043	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	8	9	4	yes	0	3	good	no	yes		lean
5044	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	7	8	2	yes	0	1	good	no	yes		slight lean
5045	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5046	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	6	5	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
5047	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	4	5	2	yes	0	1	good	yes	yes		no
5048	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	7	7	3	yes	1	1	good	no	yes		lean
5049	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	8	14	6	yes	1	7	good	no	yes		no
5050	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	5	15	8	yes	0	4	poor	no	yes		no
5051	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	7	9	2	yes	0	1	good	no	yes		no
5052	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5053	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	8	15	9	yes	0	13	good	no	yes		no
5054	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	3	2	1	yes	0	1	good	no	yes		no
5055	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	7	14	6	yes	0	8	fair	no	yes		no
5056	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	10	14	n/a	yes	3	n/a	dead; severely aged	n/a	yes		n/a
5057	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5058	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5059	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5060	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	4	2	2	yes	0	1	good	yes	yes		no
5061	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	10	9	yes	1	10	good	yes	yes		slight lean
5062	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	13	5	yes	0	5	good	no	yes		lean
5063	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	16	11	yes	4	24	fair	no	yes		slight lean
5064	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	8	2	yes	0	1	good	yes	yes		no
5065	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	10	3	yes	0	1	good	no	yes		lean
5066	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		slight lean
5067	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	9	5	yes	0	6	dead; freshly fallen	n/a	yes		n/a
5068	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	4	3	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
5069	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5070	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	5	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5071	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5072	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5073	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5074	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	11	9	yes	0	11	good	yes	yes		slight lean
5075	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	13	7	yes	1	17	good	no	yes		no
5076	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	18	12	yes	3	40	good	no	yes		slight lean
5077	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	7	2	yes	0	1	good	yes	yes		slight lean
5078	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	9	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5079	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	4	3	yes	0	1	good	yes	yes		no
5080	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5081	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	11	21	13	yes	2	60	fair	no	yes		slight lean
5082	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	8	2	yes	0	1	good	yes	yes		slight lean
5083	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	6	5	2	yes	0	1	good	yes	yes		slight lean
5084	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	8	3	yes	0	1	good	no	yes		no
5085	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5086	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	12	9	yes	4	27	good	no	yes		slight lean
5087	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	10	6	yes	2	6	good	yes	yes		no
5088	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	7	4	yes	0	7	good	no	yes		slight lean
5089	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	8	3	yes	0	9	fair	no	yes		slight lean
5090	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	3	2	1	yes	0	1	good	yes	yes		no
5091	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5092	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	0	dead; severely aged	n/a	yes		n/a
5093	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	14	9	yes	1	17	good	no	yes		lean
5094	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	4	2	2	yes	0	2	good	yes	yes		slight lean
5095	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	11	15	10	yes	1	22	good	yes	yes		no
5096	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	2	3	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5097	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5098	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5099	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	2	2	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5100	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	4	2	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5101	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5102	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	12	9	yes	1	27	good	no	yes		slight lean
5103	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5104	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	15	15	yes	0	13	critical	no	yes	freshly fallen; not likely to survive	extreme lean
5105	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
5106	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	9	6	yes	1	8	good	yes	yes		slight lean
5107	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	10	4	yes	0	6	good	yes	yes		slight lean
5108	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5109	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	10	3	yes	0	3	good	no	yes		slight lean
5110	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	7	5	yes	0	2	good	yes	yes		slight lean
5111	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	13	6	yes	0	10	good	no	yes		slight lean
5112	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	10	4	yes	0	4	good	no	yes		no
5113	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	3	2	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5114	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	15	10	yes	0	45	good	yes	yes		slight lean
5115	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	16	10	yes	2	40	fair	no	yes		slight lean
5116	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	12	9	yes	0	15	good	no	yes		lean
5117	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5118	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	9	4	yes	0	11	good	yes	yes		slight lean
5119	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	8	9	5	yes	0	9	good	no	yes		lean
5120	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		slight lean
5121	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5122	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	2	1	1	yes	0	1	good	yes	yes		no
5123	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	5	11	11	yes	0	12	critical	no	yes	freshly fallen; not likely to survive	extreme lean
5124	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	6	11	5	yes	0	8	good	no	yes		slight lean
5125	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5126	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	7	8	3	yes	0	1	good	yes	yes		no
5127	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	11	6	yes	0	14	good	yes	yes		slight lean
5128	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	4	7	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5129	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	12	12	yes	0	12	good	no	yes		extreme lean
5130	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	9	3	yes	0	4	good	yes	yes		no
5131	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	7	7	3	yes	0	1	good	no	yes		lean
5132	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	13	10	yes	0	27	fair	no	yes		no
5133	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	6	12	n/a	yes	0	8	dead; moderately aged	n/a	yes		n/a
5134	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	8	3	yes	0	1	good	no	yes		no
5135	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		slight lean
5136	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	9	4	yes	1	6	good	no	yes		lean
5137	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	10	17	14	yes	4	45	fair	no	yes		no
5138	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	10	9	yes	0	3	fair	no	yes		extreme lean
5139	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	11	4	yes	0	4	good	no	yes		lean
5140	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	7	8	2	yes	0	1	good	no	yes		slight lean
5141	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	8	14	7	yes	1	14	good	no	yes		extreme lean
5142	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
5143	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	no	no	1	1	1	yes	0	1	good	yes	yes		no
5144	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	no	9	10	4	yes	0	5	good	yes	yes		no
5145	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/2/2022	yes	yes	9	13	7	yes	0	18	good	no	yes		no
5146	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	7	10	5	yes	0	5	good	no	yes		lean
5147	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	8	9	6	yes	0	6	good	no	yes		lean
5148	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	7	5	3	yes	0	1	good	no	yes		slight lean
5149	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	6	5	3	yes	0	1	good	yes	yes		slight lean
5150	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		slight lean
5151	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		lean
5152	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5153	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	11	5	yes	1	5	good	no	yes		slight lean
5154	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	12	6	yes	1	12	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5155	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	6	7	3	yes	0	1	good	no	yes		lean
5156	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	9	13	11	yes	1	22	good	no	yes		lean
5157	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	6	14	10	yes	2	10	fair	no	yes		lean
5158	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5159	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	10	15	8	yes	0	24	fair	no	yes		slight lean
5160	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5161	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	11	17	12	yes	0	32	good	no	yes		slight lean
5162	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	15	11	yes	2	20	good	no	yes		lean
5163	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	7	8	3	yes	0	1	good	no	yes		slight lean
5164	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	6	3	2	yes	0	1	good	yes	yes		no
5165	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	6	5	2	yes	0	1	good	no	yes		slight lean
5166	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	9	7	yes	0	11	good	no	yes		slight lean
5167	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	7	7	3	yes	0	1	good	yes	yes		slight lean
5168	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	11	14	n/a	yes	0	30	dead; moderately aged	n/a	yes		n/a
5169	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	9	11	8	yes	0	12	good	no	yes		lean
5170	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5171	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	9	9	yes	0	20	poor	no	yes		extreme lean
5172	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	5	5	2	yes	0	1	good	no	yes		slight lean
5173	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	11	13	7	yes	0	9	good	no	yes		lean
5174	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	13	13	yes	0	23	good	no	yes		lean
5175	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	10	13	12	yes	0	17	fair	no	yes		lean
5176	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	11	17	13	yes	0	35	fair	no	yes		lean
5177	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	8	8	9	yes	0	6	good	no	yes		lean
5178	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	11	11	9	yes	0	10	fair	no	yes		lean
5179	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	11	10	8	yes	0	10	good	no	yes		lean
5180	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	7	7	yes	0	4	good	no	yes		lean
5181	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	13	9	yes	0	19	poor	no	yes		slight lean
5182	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5183	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	11	13	8	yes	0	9	fair	no	yes		no
5184	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	13	9	yes	2	18	good	no	yes		no
5185	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
5186	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	7	8	4	yes	0	2	good	yes	yes		slight lean
5187	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	5	2	1	yes	0	1	good	no	yes		slight lean
5188	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	12	7	yes	0	11	good	no	yes		slight lean
5189	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	5	3	3	yes	0	1	good	no	yes		lean
5190	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		no
5191	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	9	10	5	yes	0	6	good	yes	yes		slight lean
5192	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	7	4	yes	0	2	good	no	yes		slight lean
5193	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	5	2	1	yes	0	1	good	yes	yes		no
5194	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5195	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5196	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	9	3	yes	1	1	good	no	yes		no
5197	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
5198	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
5199	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	6	3	3	yes	0	2	good	yes	yes		slight lean
5200	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	12	11	yes	0	17	critical	no	yes		extreme lean
5201	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	5	2	1	yes	0	1	good	yes	yes		slight lean
5202	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		slight lean
5203	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	12	14	14	yes	4	40	good	no	yes		lean
5204	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5205	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	7	11	6	yes	2	10	good	no	yes		lean
5206	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	13	12	10	yes	2	20	poor	no	yes		lean
5207	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	no	11	12	10	yes	2	13	poor	no	yes		lean
5208	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	10	14	12	yes	2	30	poor	no	yes		slight lean
5209	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	8	10	5	yes	0	7	good	no	yes		slight lean
5210	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	7	10	4	yes	0	6	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5211	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	14	11	yes	3	45	fair	no	yes		lean
5212	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	12	18	13	yes	0	55	fair	no	yes		no
5213	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5214	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	7	13	7	yes	0	8	fair	no	yes		slight lean
5215	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	8	7	3	yes	0	1	good	yes	yes		slight lean
5216	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	6	4	3	yes	0	2	good	no	yes		slight lean
5217	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5218	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	9	11	12	yes	0	25	critical	no	yes		lean
5219	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	9	9	4	yes	1	5	good	yes	yes		slight lean
5220	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	11	14	10	yes	4	16	good	yes	yes		slight lean
5221	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	10	11	11	yes	1	16	good	no	yes		slight lean
5222	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	12	16	11	yes	0	35	poor	no	yes		lean
5223	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	12	17	10	yes	0	45	poor	no	yes		slight lean
5224	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	9	9	4	yes	0	5	good	no	yes		lean
5225	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	9	7	6	yes	0	8	good	yes	yes		slight lean
5226	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	11	15	13	yes	2	45	poor	no	yes		slight lean
5227	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	10	9	7	yes	0	8	poor	no	yes		slight lean
5228	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	8	14	11	yes	2	18	fair	no	yes		slight lean
5229	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	7	8	8	yes	0	13	fair	no	yes		slight lean
5230	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	10	9	7	yes	0	5	good	no	yes		slight lean
5231	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	8	9	10	yes	0	15	fair	no	yes		lean
5232	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	9	8	7	yes	0	6	poor	no	yes		no
5233	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	9	13	7	yes	1	15	good	no	yes		slight lean
5234	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	9	14	13	yes	2	40	good	no	yes		slight lean
5235	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	9	14	7	yes	1	16	good	yes	yes		slight lean
5236	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	8	11	6	yes	0	10	good	no	yes		lean
5237	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	6	3	2	yes	0	1	good	yes	yes		no
5238	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	12	18	14	yes	0	25	poor	no	yes		no
5239	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	12	21	13	yes	2	60	poor	no	yes		slight lean
5240	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5241	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	8	13	8	yes	1	13	fair	no	yes		slight lean
5242	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	9	15	8	yes	1	30	poor	no	yes		no
5243	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5244	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	9	11	6	yes	0	13	critical	no	yes		lean
5245	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	7	10	8	yes	0	4	good	no	yes		extreme lean
5246	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	yes	yes	8	9	8	yes	0	5	good	no	yes		lean
5247	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	6	10	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
5248	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	9	10	8	yes	0	5	good	yes	yes		no
5249	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	4	4	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
5250	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5251	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	8	12	9	yes	2	13	good	no	yes		lean
5252	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	6	2	1	yes	0	1	good	no	yes		no
5253	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	8	12	8	yes	0	26	good	yes	yes		slight lean
5254	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5255	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	7	8	3	yes	0	1	good	yes	yes		slight lean
5256	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	7	10	6	yes	0	8	good	no	yes		lean
5257	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	10	14	10	yes	0	30	critical	no	yes	freshly fallen; not likely to survive	no
5258	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		slight lean
5259	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		slight lean
5260	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	6	5	2	yes	0	1	good	yes	yes		slight lean
5261	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	7	13	8	yes	2	16	fair	no	yes		lean
5262	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	9	14	n/a	yes	0	20	dead; moderately aged	n/a	yes		n/a
5263	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	7	6	3	yes	0	1	good	no	yes		lean
5264	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5265	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	7	14	8	yes	0	8	poor	no	yes		no
5266	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5267	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	6	10	4	yes	0	3	poor	no	yes		lean
5268	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	7	10	3	yes	0	5	good	yes	yes		slight lean
5269	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		slight lean
5270	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5271	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	7	12	7	yes	1	16	good	no	yes		lean
5272	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	8	13	8	yes	1	17	good	no	yes		lean
5273	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	9	12	7	yes	0	15	good	no	yes		slight lean
5274	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	5	9	6	yes	3	19	good	no	yes		slight lean
5275	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	7	3	2	yes	0	1	good	no	yes		no
5276	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	7	9	7	yes	3	15	good	no	yes		lean
5277	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	4	2	1	yes	0	2	good	yes	yes		no
5278	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	8	7	3	yes	1	4	good	yes	yes		slight lean
5279	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	8	13	10	yes	2	35	good	yes	yes		slight lean
5280	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	7	9	5	yes	1	14	good	no	yes		lean
5281	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	3	2	1	yes	0	1	good	no	yes		no
5282	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	6	4	3	yes	0	3	good	yes	yes		slight lean
5283	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	8	7	3	yes	0	4	good	no	yes		no
5284	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	7	9	5	yes	1	11	fair	no	yes		slight lean
5285	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	8	7	3	yes	0	4	good	no	yes		no
5286	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	8	11	6	yes	1	16	good	no	yes		slight lean
5287	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	1	6	2	yes	0	3	good	no	yes		slight lean
5288	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	7	8	4	yes	0	7	good	no	yes		slight lean
5289	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	9	10	7	yes	1	21	good	no	yes		no
5290	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	3	1	1	yes	1	1	dead; standing	n/a	yes		no
5291	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	8	5	3	yes	0	3	good	no	yes		slight lean
5292	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	8	6	3	yes	1	1	good	no	yes		slight lean
5293	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	8	6	3	yes	0	1	good	no	yes		slight lean
5294	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	no	7	5	3	yes	0	1	good	yes	yes		no
5295	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	9	7	3	yes	2	3	good	no	yes		slight lean
5296	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/8/2022	yes	yes	14	22	21	yes	4	55	good	no	yes		no
5297	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	8	8	8	yes	2	10	fair	no	yes		lean
5298	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5299	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	10	3	yes	0	4	good	no	yes		no
5300	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	8	3	yes	1	1	good	no	yes		no
5301	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	13	5	yes	0	8	good	no	yes		no
5302	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	15	8	yes	2	16	fair	no	yes		no
5303	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	9	11	4	yes	0	5	good	no	yes		slight lean
5304	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	5	3	yes	0	1	good	no	yes		no
5305	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	11	8	yes	0	5	critical	no	yes		lean
5306	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	7	3	yes	0	2	fair	no	yes		no
5307	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5308	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	7	13	7	yes	0	13	good	yes	yes		slight lean
5309	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	8	6	3	yes	0	1	good	yes	yes		slight lean
5310	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	13	4	yes	0	5	good	no	yes		slight lean
5311	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	6	3	yes	0	1	good	no	yes		slight lean
5312	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	12	3	yes	0	4	good	no	yes		slight lean
5313	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	11	3	yes	0	4	fair	no	yes		slight lean
5314	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	10	3	yes	0	5	good	no	yes		slight lean
5315	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	13	7	yes	2	6	good	no	yes		lean
5316	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	9	3	yes	0	3	fair	no	yes		no
5317	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	11	5	yes	1	3	good	no	yes		slight lean
5318	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	13	6	yes	0	7	good	no	yes		slight lean
5319	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	9	15	11	yes	1	16	good	yes	yes		no
5320	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	13	4	yes	0	5	good	no	yes		slight lean
5321	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	5	3	2	yes	0	2	good	no	yes		slight lean
5322	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5323	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	4	5	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5324	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	5	10	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5325	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	9	9	2	yes	0	1	good	no	yes		slight lean
5326	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	7	12	5	yes	0	5	good	yes	yes		slight lean
5327	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	10	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
5328	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	11	3	yes	0	3	good	no	yes		slight lean
5329	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	10	4	yes	0	3	fair	no	yes		lean
5330	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	6	9	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5331	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	12	3	yes	0	5	good	no	yes		no
5332	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	no	no	2	1	1	yes	0	1	good	yes	yes		no
5333	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	14	7	yes	1	9	good	no	yes		slight lean
5334	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	13	6	yes	0	9	good	no	yes		slight lean
5335	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	8	12	6	yes	0	4	fair	no	yes		no
5336	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5337	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	6	11	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
5338	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	6	12	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
5339	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5340	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	5	8	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
5341	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	13	4	yes	0	5	good	no	yes		slight lean
5342	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	7	12	6	yes	0	8	good	yes	yes		slight lean
5343	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
5344	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	13	4	yes	1	4	good	no	yes		slight lean
5345	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	10	19	10	yes	1	25	poor	no	yes		slight lean
5346	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	13	16	13	yes	0	45	fair	no	yes		lean
5347	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	10	5	yes	0	5	critical	no	yes	freshly fallen; not likely to survive	extreme lean
5348	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	7	8	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
5349	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	11	3	yes	0	5	good	no	yes		no
5350	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	5	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5351	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	6	9	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
5352	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	6	8	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
5353	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	12	3	yes	0	1	good	no	yes		slight lean
5354	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	9	7	yes	0	3	critical	no	yes		lean
5355	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	11	2	yes	0	1	good	no	yes		slight lean
5356	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	5	yes	0	13	good	no	yes		lean
5357	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	11	6	yes	0	12	good	no	yes		lean
5358	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	8	2	yes	0	1	good	no	yes		slight lean
5359	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	13	6	yes	0	8	good	no	yes		slight lean
5360	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	6	yes	0	9	good	no	yes		slight lean
5361	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	5	3	yes	0	1	good	no	yes		no
5362	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	5	yes	1	8	good	no	yes		slight lean
5363	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	9	3	yes	0	1	good	no	yes		lean
5364	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	10	4	yes	0	5	good	no	yes		slight lean
5365	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	6	7	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
5366	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		no
5367	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	5	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
5368	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	8	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5369	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	12	5	yes	0	6	fair	no	yes		slight lean
5370	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	11	4	yes	0	5	good	no	yes		no
5371	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	12	4	yes	0	5	good	no	yes		slight lean
5372	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	7	3	yes	0	1	good	no	yes		lean
5373	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	6	9	yes	0	11	critical	no	yes		no
5374	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	5	4	yes	0	1	dead; standing	n/a	yes		extreme lean
5375	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	8	3	yes	0	1	good	no	yes		lean
5376	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	14	7	yes	0	15	good	yes	yes		slight lean
5377	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	16	12	yes	0	26	good	no	yes		slight lean
5378	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	13	3	yes	0	5	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5379	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/7/2022	no	yes	8	4	3	yes	0	1	good	no	no		no
5380	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	12	22	20	yes	2	70	good	no	yes		slight lean
5381	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	17	9	yes	0	16	good	no	yes		lean
5382	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	20	12	yes	0	28	good	no	yes		no
5383	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	19	13	yes	0	35	good	no	yes		slight lean
5384	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	4	2	2	yes	0	1	good	no	yes		no
5385	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	20	12	yes	1	32	fair	no	yes	tarp in canopy	lean
5386	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	2	yes	0	3	good	no	yes		slight lean
5387	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	22	13	yes	0	40	fair	no	yes	nails and wire on trunk	slight lean
5388	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	14	23	14	yes	1	35	poor	no	yes		slight lean
5389	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	14	4	yes	0	7	good	no	yes		slight lean
5390	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	14	6	yes	0	10	good	no	yes		slight lean
5391	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	13	22	15	yes	0	65	poor	no	yes		no
5392	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	12	22	12	yes	0	35	fair	no	yes		lean
5393	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	16	6	yes	0	16	fair	no	yes		lean
5394	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	14	5	yes	0	4	poor	no	yes		lean
5395	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	13	22	15	yes	0	45	fair	no	yes		slight lean
5396	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	11	8	yes	0	15	poor	no	yes		lean
5397	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	10	6	yes	0	12	poor	no	yes		lean
5398	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	20	n/a	yes	0	15	dead; moderately aged	n/a	yes		n/a
5399	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	14	5	yes	0	8	fair	no	yes		extreme lean
5400	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	11	yes	0	5	good	no	yes		extreme lean
5401	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	14	25	n/a	yes	0	30	dead; moderately aged	n/a	yes		n/a
5402	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	20	n/a	yes	0	20	dead; moderately aged	n/a	yes		n/a
5403	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	10	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
5404	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	8	2	yes	0	3	dead; standing	n/a	yes		slight lean
5405	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	4	yes	0	4	good	no	yes		slight lean
5406	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	12	8	yes	0	19	poor	no	yes		slight lean
5407	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	5	yes	0	7	good	no	yes		slight lean
5408	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	11	4	yes	0	4	good	no	yes		slight lean
5409	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	9	5	yes	1	5	good	no	yes		slight lean
5411	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	10	4	yes	1	4	good	yes	yes		slight lean
5412	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	18	24	yes	4	45	good	no	yes		no
5413	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	16	11	yes	0	20	fair	no	yes		slight lean
5414	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	15	9	yes	0	22	fair	no	yes		slight lean
5415	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	17	11	yes	3	20	good	no	yes		slight lean
5416	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	14	10	yes	4	20	fair	no	yes		lean
5417	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5418	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	14	12	yes	4	30	good	no	yes		lean
5419	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5420	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	6	13	5	yes	0	7	good	no	yes		slight lean
5421	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		slight lean
5422	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	7	5	yes	0	8	poor	no	yes		slight lean
5423	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	6	10	6	yes	0	6	poor	no	yes		lean
5424	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	10	15	yes	0	21	poor	no	yes		lean
5425	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	12	12	6	yes	0	7	fair	no	yes		slight lean
5426	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	12	5	yes	0	7	good	no	yes		slight lean
5427	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	8	6	yes	0	13	poor	no	yes		slight lean
5428	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	13	5	yes	1	10	fair	no	yes		slight lean
5429	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	13	7	4	yes	0	6	fair	no	yes		slight lean
5430	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5431	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	12	13	yes	0	14	poor	no	yes		lean
5432	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	14	yes	2	27	poor	no	yes		lean
5433	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	7	yes	1	18	poor	no	yes		lean
5434	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	7	3	yes	0	1	good	no	yes		slight lean
5435	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	4	2	1	yes	0	1	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5436	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	13	8	yes	1	18	poor	no	yes		slight lean
5437	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	15	12	yes	0	13	good	no	yes		lean
5438	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	9	3	yes	0	1	good	no	yes		slight lean
5439	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	10	4	yes	1	11	good	yes	yes		slight lean
5440	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5441	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	5	2	yes	0	1	good	yes	yes		no
5442	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	16	10	yes	0	28	good	no	yes		lean
5443	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	14	5	yes	0	8	good	yes	yes		slight lean
5444	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	6	3	yes	0	1	good	yes	yes		slight lean
5445	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5446	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	13	4	yes	0	3	good	no	yes		lean
5447	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
5448	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	8	3	yes	0	1	good	yes	yes		slight lean
5449	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	10	3	yes	0	5	good	no	yes		no
5450	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	9	4	yes	0	6	good	no	yes		slight lean
5451	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5452	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5453	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	11	20	13	yes	0	60	good	no	yes		slight lean
5454	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5455	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	12	7	yes	3	15	good	no	yes		slight lean
5456	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	12	7	yes	0	16	good	yes	yes		no
5457	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	3	2	1	yes	0	1	good	yes	yes		no
5458	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	6	13	4	yes	0	3	good	no	yes		lean
5459	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	8	4	yes	0	3	good	yes	yes		slight lean
5460	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	13	11	yes	0	5	good	no	yes		extreme lean
5461	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	15	11	yes	0	15	good	no	yes		slight lean
5462	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	9	6	yes	0	6	poor	no	yes		slight lean
5463	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	13	14	yes	0	15	fair	no	yes		lean
5464	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	12	6	yes	0	14	good	no	yes		slight lean
5465	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		slight lean
5466	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	10	4	yes	0	5	good	no	yes		lean
5467	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	8	4	yes	0	6	good	no	yes		lean
5468	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		slight lean
5469	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	5	2	yes	0	1	good	no	yes		slight lean
5470	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	5	2	yes	0	1	good	no	yes		slight lean
5471	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	4	2	yes	0	1	good	yes	yes		slight lean
5472	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	5	12	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
5473	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	10	6	yes	0	8	fair	no	yes		lean
5474	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	13	9	yes	0	17	good	no	yes		slight lean
5475	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	6	11	9	yes	0	9	poor	no	yes		lean
5476	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	13	8	yes	0	14	fair	no	yes		slight lean
5477	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5478	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	13	8	yes	0	11	fair	no	yes		slight lean
5479	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	8	10	yes	0	8	poor	no	yes		lean
5480	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	9	3	yes	0	3	good	yes	yes		slight lean
5481	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	13	7	yes	0	19	good	no	yes		slight lean
5482	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	10	6	yes	0	10	good	no	yes		slight lean
5483	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	4	5	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5484	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	3	2	yes	0	1	good	yes	yes		no
5485	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	14	14	12	yes	0	41	fair	no	yes		lean
5486	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	7	5	yes	0	5	poor	no	yes		slight lean
5487	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	1	1	1	yes	0	1	dead; standing	n/a	yes		no
5488	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5489	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	1	1	1	yes	0	1	good	yes	yes		no
5490	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	13	7	6	yes	0	7	poor	no	yes		slight lean
5491	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	14	9	yes	1	15	fair	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5492	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	11	8	yes	1	22	fair	no	yes		lean
5493	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	5	6	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
5494	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5495	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	5	12	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
5496	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		no
5497	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	14	9	yes	2	14	poor	no	yes		no
5498	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	6	4	3	yes	0	1	good	no	yes		no
5499	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	7	4	yes	0	3	good	no	yes		slight lean
5500	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	10	5	yes	1	10	good	no	yes		lean
5501	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	6	13	10	yes	0	23	poor	no	yes		lean
5502	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	8	12	8	yes	6	16	fair	no	yes		lean
5503	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	6	8	4	yes	0	7	fair	no	yes		lean
5504	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	9	11	8	yes	1	9	fair	no	yes		lean
5505	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	9	10	6	yes	2	7	fair	no	yes		no
5506	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	11	4	yes	1	5	fair	no	yes		slight lean
5507	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	6	12	12	yes	0	8	poor	no	yes		extreme lean
5508	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	13	6	yes	0	10	fair	no	yes		crown leaning
5509	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	6	9	3	yes	0	3	poor	no	yes		lean
5510	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5511	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	8	12	n/a	yes	0	20	dead; moderately aged	n/a	yes		n/a
5512	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5513	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5514	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	7	13	7	yes	1	10	fair	no	yes		lean
5515	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	10	12	12	yes	3	24	fair	no	yes		no
5516	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	9	12	n/a	yes	0	8	dead; moderately aged	n/a	yes		n/a
5517	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	5	5	3	yes	0	1	fair	no	yes		lean
5518	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	no	no	1	1	1	yes	0	1	fair	no	yes		no
5519	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	no	11	15	15	yes	1	36	fair	no	yes		lean
5520	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	9	8	3	yes	0	1	fair	no	yes		no
5521	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	9	8	yes	0	6	fair	no	yes		extreme lean
5522	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/8/2022	yes	yes	7	7	6	yes	0	9	poor	no	yes		lean
5523	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	12	8	yes	0	21	fair	no	yes		crown leaning
5524	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	13	10	yes	1	21	poor	no	yes		crown leaning
5525	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	8	14	10	yes	1	30	fair	no	yes		lean
5526	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	10	5	yes	0	5	fair	no	yes		lean
5527	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	9	3	yes	0	1	fair	no	yes		lean
5528	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	12	14	13	yes	2	38	poor	no	yes		slight lean
5529	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	12	6	yes	0	8	fair	no	yes		slight lean
5530	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	6	11	5	yes	0	3	fair	no	yes		lean
5531	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	10	5	yes	0	4	fair	no	yes		slight lean
5532	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5533	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	5	3	yes	0	1	good	yes	yes		slight lean
5534	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	9	3	yes	1	3	good	yes	yes		no
5535	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	9	4	yes	1	3	fair	no	yes		lean
5536	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	10	6	yes	1	6	fair	no	yes		lean
5537	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	9	5	yes	0	3	good	yes	yes		no
5538	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	7	2	yes	0	1	poor	no	yes		lean
5539	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5540	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5541	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		slight lean
5542	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	13	10	7	yes	1	10	good	no	yes		slight lean
5543	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	11	6	yes	0	9	fair	no	yes		lean
5544	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	12	10	yes	1	20	fair	no	yes		lean
5545	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	1	1	1	yes	0	1	poor	no	yes		lean
5546	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	5	5	2	yes	0	1	fair	no	yes		slight lean
5547	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	12	11	yes	2	17	fair	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5548	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	12	7	yes	0	7	fair	no	yes		no
5549	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	9	5	yes	0	2	poor	no	yes	mammal burrow at base	lean
5550	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	4	3	2	yes	0	1	fair	no	yes		no
5551	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	12	18	12	yes	3	35	fair	no	yes		lean
5552	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	13	9	7	yes	0	8	poor	no	yes		slight lean
5553	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	13	8	6	yes	1	16	fair	no	yes		no
5554	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	14	11	10	yes	6	23	poor	no	yes	mammal burrow at base	slight lean
5555	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	4	2	1	yes	0	1	poor	no	yes		lean
5556	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5557	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	4	2	yes	0	1	fair	no	yes		no
5558	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	10	8	yes	0	13	fair	no	yes		slight lean
5559	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	12	11	6	yes	1	16	fair	no	yes		lean
5560	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	11	8	3	yes	0	3	fair	no	yes		lean
5561	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	8	3	yes	0	4	fair	no	yes		lean
5562	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	15	10	yes	0	25	fair	no	yes		no
5563	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	8	3	yes	0	1	fair	no	yes		slight lean
5564	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	9	5	yes	0	3	fair	no	yes		lean
5565	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	5	4	yes	0	2	good	no	yes		lean
5566	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	9	5	yes	0	4	poor	no	yes		lean
5567	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	no	no	2	2	1	yes	0	1	good	no	yes		lean
5568	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5569	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	13	14	7	yes	0	8	fair	no	yes		slight lean
5570	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	10	4	yes	0	3	fair	no	yes		no
5571	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5572	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	7	3	yes	0	1	poor	no	yes		no
5573	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	15	10	yes	1	38	poor	no	yes		lean
5574	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	5	2	yes	0	1	fair	no	yes		lean
5575	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	12	8	yes	1	21	fair	no	yes		lean
5576	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	4	2	yes	0	1	fair	no	yes		no
5577	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	15	15	yes	0	14	fair	no	yes		extreme lean
5578	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	12	6	yes	1	9	fair	no	yes		lean
5579	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5580	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	9	8	yes	1	4	fair	no	yes		lean
5581	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	14	7	yes	2	8	fair	no	yes		no
5582	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	7	3	yes	0	1	fair	no	yes		slight lean
5583	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	13	8	yes	6	22	fair	no	yes		no
5584	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	2	2	1	yes	0	1	good	yes	yes		slight lean
5585	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5586	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	13	9	yes	0	16	poor	no	yes		lean
5587	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	15	10	yes	1	31	poor	no	yes		lean
5588	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	14	10	yes	0	8	fair	no	yes		lean
5589	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	12	5	yes	0	8	fair	no	yes		lean
5590	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5591	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	4	3	yes	0	1	dead; standing	n/a	yes		lean
5592	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	4	4	yes	0	2	fair	no	yes		slight lean
5593	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5594	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	6	3	yes	0	1	fair	no	yes		lean
5595	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	10	3	yes	1	1	fair	no	yes		lean
5596	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	10	4	yes	0	5	fair	no	yes		lean
5597	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	8	3	yes	0	1	fair	no	yes		lean
5598	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5599	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	9	3	yes	0	1	fair	no	yes		lean
5600	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	5	4	3	yes	0	2	fair	no	yes		slight lean
5601	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	13	5	yes	1	7	fair	no	yes		no
5602	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	8	4	yes	0	2	fair	no	yes		no
5603	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	3	2	1	yes	0	1	critical	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5604	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	9	10	4	yes	0	2	fair	no	yes		lean
5605	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	13	20	9	yes	3	55	fair	no	yes		lean
5606	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5607	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	14	15	yes	2	20	fair	no	yes		extreme lean
5608	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	8	3	yes	0	5	fair	no	yes		no
5609	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	7	2	yes	0	2	fair	no	yes		no
5610	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	15	6	yes	3	8	fair	no	yes		slight lean
5611	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	4	2	yes	0	1	good	yes	yes		no
5612	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	7	5	yes	0	3	poor	no	yes		lean
5613	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	10	13	n/a	yes	0	11	dead; moderately aged	n/a	yes		n/a
5614	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	8	3	yes	2	4	fair	no	yes		slight lean
5615	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	13	9	yes	3	20	fair	no	yes		lean
5616	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	no	no	1	1	1	yes	0	1	good	yes	yes		no
5617	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	11	6	yes	2	7	good	no	yes		slight lean
5618	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	9	3	yes	1	1	good	yes	yes		slight lean
5619	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	15	8	yes	0	12	poor	no	yes		no
5620	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	9	18	n/a	yes	0	15	dead; moderately aged	n/a	yes		n/a
5621	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	3	2	2	yes	0	1	good	yes	yes		no
5622	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	14	7	yes	0	8	fair	no	yes		lean
5623	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	6	3	yes	0	1	fair	no	yes		slight lean
5624	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	5	3	yes	0	2	good	yes	yes		slight lean
5625	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	25	15	yes	1	25	poor	no	yes		slight lean
5626	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5627	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5628	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	8	9	6	yes	0	7	fair	no	yes		lean
5629	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	8	5	yes	0	3	fair	no	yes		lean
5630	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5631	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	yes	7	10	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
5632	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	10	20	9	yes	1	12	fair	no	yes		lean
5633	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	5	3	yes	0	1	good	yes	yes		slight lean
5634	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	6	3	yes	0	1	good	no	yes		lean
5635	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	11	18	10	yes	0	27	fair	no	yes		lean
5636	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	7	14	7	yes	2	10	fair	no	yes		lean
5637	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	5	4	4	yes	0	2	fair	no	yes		no
5638	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/10/2022	yes	no	10	11	10	yes	3	19	fair	no	yes		lean
5639	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	4	3	2	yes	0	1	fair	no	yes		slight lean
5640	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5641	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	7	5	yes	0	4	fair	no	yes		no
5642	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	12	6	3	yes	0	1	fair	no	yes		lean
5643	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/10/2022	yes	no	11	13	10	yes	3	15	fair	no	yes	mammal burrow at base	no
5644	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	12	9	yes	1	8	poor	no	yes		slight lean
5645	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	12	8	yes	0	12	fair	no	yes		lean
5646	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	12	11	7	yes	1	3	fair	no	yes		lean
5647	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	5	4	3	yes	0	1	fair	no	yes		slight lean
5648	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	13	8	yes	1	11	fair	no	yes		slight lean
5649	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	13	15	12	yes	0	38	poor	no	yes		lean
5650	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	11	14	12	yes	4	30	fair	no	yes		no
5651	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5652	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	12	12	10	yes	0	17	fair	no	yes		no
5653	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	12	10	yes	0	9	fair	no	yes		slight lean
5654	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	7	3	yes	1	3	fair	no	yes		lean
5655	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5656	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	5	3	yes	0	1	dead; standing	n/a	yes		no
5657	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	13	12	13	yes	0	23	fair	no	yes		slight lean
5658	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	10	3	yes	0	3	fair	no	yes		lean
5659	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5660	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5661	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	12	9	yes	0	10	fair	no	yes		lean
5662	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	12	8	yes	0	10	fair	no	yes		lean
5663	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	9	5	yes	1	7	fair	no	yes		lean
5664	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5665	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5666	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	10	8	yes	1	11	fair	no	yes		lean
5667	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	8	6	yes	0	6	fair	no	yes		lean
5668	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5669	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	6	12	6	yes	0	8	fair	no	yes		lean
5670	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	16	10	yes	0	15	fair	no	yes		lean
5671	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	11	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
5672	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5673	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5674	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	10	6	yes	1	5	good	yes	yes		slight lean
5675	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	6	5	3	yes	0	1	good	yes	yes		no
5676	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	8	6	yes	1	3	fair	no	yes		no
5677	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	7	6	yes	1	11	fair	no	yes		slight lean
5678	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5679	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5680	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	12	5	yes	0	6	fair	no	yes		lean
5681	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	4	3	3	yes	0	2	good	no	yes		no
5682	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5683	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5684	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5685	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	14	15	12	yes	0	25	critical	no	yes		lean
5686	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	2	2	2	yes	0	1	good	no	yes		lean
5687	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	10	5	yes	0	7	fair	no	yes		lean
5688	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	6	3	yes	0	1	good	no	yes		lean
5689	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	9	4	yes	0	4	fair	no	yes		lean
5690	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	10	7	yes	0	6	fair	no	yes		lean
5691	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	6	9	4	yes	0	4	fair	no	yes		slight lean
5692	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5693	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	7	4	yes	0	3	good	yes	yes		no
5694	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	12	5	yes	0	4	fair	no	yes		slight lean
5695	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5696	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	13	10	yes	0	19	fair	no	yes		lean
5697	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	14	12	yes	0	16	fair	no	yes		lean
5698	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	12	4	yes	0	4	fair	no	yes		lean
5699	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	12	5	yes	0	11	fair	no	yes		lean
5700	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	6	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5701	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5702	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5703	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	10	4	yes	0	7	fair	no	yes		slight lean
5704	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	9	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
5705	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5706	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	6	7	2	yes	0	3	fair	no	yes		lean
5707	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5708	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	6	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
5709	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5710	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	10	4	yes	0	6	fair	no	yes		no
5711	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	10	4	yes	0	3	good	yes	yes		no
5712	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5713	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5714	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5715	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5716	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5717	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/10/2022	yes	yes	7	8	3	yes	1	1	fair	no	yes		lean
5718	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	10	15	10	yes	0	20	fair	no	yes		lean
5719	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	13	10	yes	3	25	fair	no	yes		lean
5720	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	13	13	yes	0	22	fair	no	yes		extreme lean
5721	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	12	n/a	yes	0	9	dead; moderately aged	n/a	yes		n/a
5722	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	5	5	4	yes	0	2	fair	no	yes		lean
5723	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	6	7	4	yes	0	1	poor	no	yes		no
5724	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	13	20	yes	0	45	fair	no	yes		lean
5725	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5726	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5727	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5728	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5729	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	5	5	3	yes	0	1	good	yes	yes		no
5730	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	6	7	4	yes	0	4	critical	no	yes		lean
5731	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	5	4	3	yes	0	1	fair	no	yes		lean
5732	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	8	8	yes	0	19	fair	no	yes		extreme lean
5733	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	5	5	yes	0	2	fair	no	yes		lean
5734	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	11	12	12	yes	8	40	poor	no	yes		lean
5735	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	4	4	2	yes	0	1	fair	no	yes		no
5736	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	13	11	yes	0	11	poor	no	yes		extreme lean
5737	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	13	9	yes	3	28	fair	no	yes		lean
5738	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	6	4	3	yes	0	1	fair	no	yes		no
5739	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/7/2022	yes	yes	9	12	10	yes	3	30	fair	no	yes		extreme lean
5740	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	11	10	8	yes	2	13	fair	no	yes		no
5741	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	10	3	yes	0	1	poor	no	yes		lean
5742	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	12	12	yes	0	25	fair	no	yes		slight lean
5743	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	9	4	yes	0	3	fair	no	yes		lean
5744	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	11	12	10	yes	1	10	fair	no	yes		lean
5745	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	7	10	5	yes	0	6	critical	no	yes		lean
5746	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	7	3	yes	0	3	fair	no	yes		lean
5747	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	11	17	12	yes	2	34	critical	no	yes		lean
5748	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	5	4	2	yes	0	1	fair	no	yes		no
5749	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	11	10	8	yes	0	23	fair	no	yes		lean
5750	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	7	12	7	yes	0	13	fair	no	yes		lean
5751	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5752	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	11	12	yes	0	20	fair	no	yes		lean
5753	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5754	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	12	6	yes	0	10	fair	no	yes		lean
5755	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	13	9	yes	2	20	poor	no	yes		lean
5756	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	4	3	1	yes	0	1	fair	no	yes		slight lean
5757	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	8	6	yes	0	8	fair	no	yes		slight lean
5758	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	6	15	8	yes	0	20	poor	no	yes		lean
5759	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	6	8	5	yes	0	5	poor	no	yes		lean
5760	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	12	10	yes	0	15	fair	no	yes		no
5761	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	7	9	6	yes	1	10	fair	no	yes		lean
5762	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	5	3	yes	0	1	good	yes	yes		no
5763	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	5	3	2	yes	0	1	fair	no	yes		slight lean
5764	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	12	10	yes	0	13	fair	no	yes		lean
5765	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	12	9	yes	0	7	poor	no	yes		lean
5766	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	7	8	5	yes	0	1	critical	no	yes		lean
5767	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	14	12	20	yes	4	45	poor	no	yes		lean
5768	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	5	5	3	yes	0	1	poor	no	yes		lean
5769	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	7	13	10	yes	0	24	poor	no	yes		lean
5770	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	15	6	yes	1	17	fair	no	yes		crown lean
5771	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	6	7	3	yes	0	1	fair	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5772	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	6	10	8	yes	0	6	critical	no	yes		lean
5773	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	5	14	8	yes	0	4	poor	no	yes		lean
5774	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	6	9	5	yes	0	1	dead; standing	n/a	yes		lean
5775	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	6	9	6	yes	0	4	poor	no	yes		lean
5776	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	11	14	10	yes	0	9	fair	no	yes		lean
5777	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	10	7	yes	1	9	fair	no	yes		lean
5778	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	15	10	yes	3	14	critical	no	yes		extreme lean
5779	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	12	9	yes	0	11	critical	no	yes		slight lean
5780	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	10	6	yes	1	6	poor	no	yes		lean
5781	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	9	5	yes	1	5	fair	no	yes		slight lean
5782	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	12	10	4	yes	0	3	fair	no	yes		lean
5783	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	12	7	5	yes	0	4	poor	no	yes		slight lean
5784	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	14	18	n/a	yes	0	25	dead; moderately aged	n/a	yes		n/a
5785	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5786	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5787	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	13	11	5	yes	0	10	good	yes	yes		no
5790	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	10	7	3	yes	0	2	fair	no	yes		slight lean
5791	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	6	13	4	yes	1	3	fair	no	yes		lean
5793	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	7	9	8	yes	1	5	poor	no	yes		lean
5795	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	6	6	3	yes	0	1	fair	no	yes		slight lean
5796	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5797	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	5	4	2	yes	0	1	fair	no	yes		no
5798	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	13	14	10	yes	6	20	fair	no	yes		slight lean
5799	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5800	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	13	12	10	yes	1	28	poor	no	yes		lean
5801	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	12	9	yes	0	7	critical	no	yes		extreme lean
5802	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	3	3	yes	0	2	critical	no	yes		no
5803	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	6	3	yes	0	4	critical	no	yes		lean
5804	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	10	6	3	yes	0	3	poor	no	yes		slight lean
5805	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	6	5	3	yes	0	1	fair	no	yes		no
5806	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5807	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	6	11	5	yes	1	4	critical	no	yes		lean
5808	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	10	6	yes	1	9	fair	no	yes		lean
5809	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	12	11	8	yes	0	14	fair	no	yes		no
5810	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	13	12	7	yes	2	27	fair	no	yes		slight lean
5811	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	12	12	6	yes	0	10	fair	no	yes		no
5812	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	10	10	5	yes	0	4	fair	no	yes		lean
5817	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	7	3	yes	1	1	fair	no	yes		lean
5818	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	15	10	yes	2	11	poor	no	yes		extreme lean
5819	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5820	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	11	3	yes	1	5	poor	no	yes		lean
5821	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5822	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	5	3	2	yes	0	1	poor	no	yes		slight lean
5823	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	10	6	3	yes	0	3	fair	no	yes		lean
5824	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5825	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	12	12	yes	1	21	fair	no	yes		extreme lean
5826	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	7	7	4	yes	0	5	fair	no	yes		lean
5827	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	14	17	20	yes	5	50	poor	no	yes		lean
5828	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	13	6	yes	0	17	critical	no	yes		lean
5829	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	6	4	3	yes	0	1	fair	no	yes		lean
5830	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	5	4	3	yes	0	1	fair	no	yes		slight lean
5831	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	12	10	yes	1	22	fair	no	yes		lean
5832	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
5833	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	12	3	yes	0	3	fair	no	yes		lean
5834	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	13	9	yes	0	6	fair	no	yes		lean
5835	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	6	3	yes	0	1	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5836	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	5	11	3	yes	0	3	fair	no	yes		lean
5837	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	8	3	yes	0	1	good	yes	yes		slight lean
5838	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	6	4	4	yes	0	2	fair	no	yes		slight lean
5839	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	6	13	7	yes	1	7	poor	no	yes		lean
5840	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	7	3	yes	0	1	good	yes	yes		no
5841	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	5	4	yes	0	1	fair	no	yes		lean
5842	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	13	8	yes	1	14	poor	no	yes		extreme lean
5843	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	13	12	15	yes	3	65	poor	no	yes		lean
5844	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	5	3	2	yes	0	1	fair	no	yes		slight lean
5845	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	5	3	yes	0	1	fair	no	yes		no
5846	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5847	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	9	12	8	yes	2	12	fair	no	yes		slight lean
5848	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	7	10	5	yes	0	5	critical	no	yes		no
5849	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	9	16	10	yes	2	32	fair	no	yes		lean
5850	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	5	5	5	yes	0	2	fair	no	yes		lean
5851	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	10	10	8	yes	1	9	fair	no	yes		slight lean
5852	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	1	1	1	yes	0	1	fair	no	yes		no
5855	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5856	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	7	10	8	yes	2	15	fair	no	yes		lean
5857	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5858	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	10	14	10	yes	1	26	poor	no	yes		lean
5859	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	6	14	12	yes	1	8	poor	no	yes		lean
5860	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5861	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	7	12	9	yes	0	8	poor	no	yes		lean
5862	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	7	20	10	yes	1	11	poor	no	yes		lean
5863	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	7	14	n/a	yes	0	7	dead; moderately aged	n/a	yes		n/a
5864	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	10	7	yes	1	7	good	no	yes		slight lean
5865	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	2	2	1	yes	0	1	good	yes	yes		slight lean
5866	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5867	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5868	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	5	4	3	yes	0	1	fair	no	yes		lean
5869	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	7	4	yes	0	2	fair	no	yes		lean
5870	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	8	3	yes	0	3	fair	no	yes		slight lean
5871	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	12	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
5872	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	8	5	yes	0	4	fair	no	yes		lean
5873	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5874	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	8	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
5875	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	6	6	3	yes	0	1	fair	no	yes		slight lean
5876	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	7	5	yes	1	1	critical	no	yes		extreme lean
5877	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5878	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5879	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5880	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	12	6	yes	0	7	critical	no	yes		lean
5881	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	12	8	yes	1	5	fair	no	yes		lean
5882	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	14	10	yes	2	13	fair	no	yes		lean
5883	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	12	20	yes	0	21	poor	no	yes		lean
5884	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	13	8	yes	0	7	fair	no	yes		lean
5885	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	11	13	7	yes	1	12	fair	no	yes		lean
5886	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	11	15	12	yes	2	13	fair	no	yes		slight lean
5887	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	11	12	yes	4	12	fair	no	yes		lean
5888	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	11	10	10	yes	0	34	poor	no	yes		lean
5889	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5890	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	6	4	yes	0	1	fair	no	yes		extreme lean
5891	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5892	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	8	5	yes	0	5	fair	no	yes		lean
5893	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	7	7	yes	0	5	fair	no	yes		extreme lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5894	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	11	7	yes	2	12	fair	no	yes		extreme lean
5895	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	11	20	15	yes	2	25	critical	no	yes		lean
5896	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	12	15	9	yes	0	32	fair	no	yes		lean
5897	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	11	14	12	yes	2	33	fair	no	yes		slight lean
5898	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	4	3	1	yes	0	1	poor	no	yes		no
5899	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	8	10	3	yes	0	3	fair	no	yes		slight lean
5900	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	9	10	3	yes	0	1	fair	no	yes		slight lean
5901	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	8	7	2	yes	0	1	fair	no	yes		lean
5902	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	9	12	6	yes	1	6	fair	no	yes		lean
5903	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	6	15	6	yes	2	3	fair	no	yes		lean
5904	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	7	14	5	yes	2	4	fair	no	yes		lean
5905	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	10	15	15	yes	0	10	poor	no	yes		extreme lean
5906	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5907	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	7	8	3	yes	0	1	fair	no	yes		lean
5908	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	9	10	7	yes	0	7	poor	no	yes		slight lean
5909	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	10	14	10	yes	2	16	fair	no	yes		lean
5910	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	11	13	10	yes	0	15	critical	no	yes		lean
5911	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	16	9	yes	1	10	fair	no	yes		lean
5912	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	14	12	yes	0	10	fair	no	yes		lean
5913	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	13	10	yes	2	11	fair	no	yes		lean
5914	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	15	10	yes	1	13	fair	no	yes		lean
5915	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	14	8	yes	1	6	fair	no	yes		lean
5916	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	14	7	yes	2	5	fair	no	yes		lean
5917	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	13	13	yes	1	3	fair	no	yes		lean
5918	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	6	11	5	yes	0	1	fair	no	yes		lean
5919	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	13	8	yes	1	9	fair	no	yes		lean
5920	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	13	8	yes	0	7	fair	no	yes		lean
5921	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	15	15	yes	2	9	fair	no	yes		lean
5922	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	12	7	yes	1	3	fair	no	yes		lean
5923	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	12	8	yes	2	6	fair	no	yes		slight lean
5924	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	13	9	yes	2	15	poor	no	yes		lean
5925	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5926	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	12	12	yes	0	5	fair	no	yes		extreme lean
5927	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5928	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	16	16	yes	2	11	fair	no	yes		extreme lean
5929	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5930	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	15	12	yes	2	7	fair	no	yes		lean
5931	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	15	13	yes	1	10	fair	no	yes		lean
5932	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	18	18	yes	0	9	poor	no	yes		extreme lean
5933	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	15	15	yes	4	30	poor	no	yes		lean
5934	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	12	4	yes	1	8	fair	no	yes		slight lean
5935	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	13	10	yes	0	8	fair	no	yes		lean
5936	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	6	7	3	yes	1	1	good	yes	yes		no
5937	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	14	8	yes	2	28	fair	no	yes		lean
5938	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	8	6	yes	0	4	fair	no	yes		extreme lean
5939	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	8	3	yes	0	1	fair	no	yes		no
5940	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	11	8	3	yes	0	1	good	yes	yes		no
5941	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	11	8	yes	0	18	poor	no	yes		lean
5942	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	10	8	yes	0	25	poor	no	yes		lean
5943	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	12	8	yes	2	26	poor	no	yes		lean
5944	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	10	8	yes	0	19	fair	no	yes		lean
5945	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	14	6	yes	0	17	poor	no	yes		lean
5946	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	10	6	yes	0	10	good	no	yes		no
5947	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	7	3	yes	0	3	fair	no	yes		lean
5948	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	8	3	yes	0	3	fair	no	yes		lean
5949	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	13	20	13	yes	0	50	critical	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
5950	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	10	12	yes	0	12	fair	no	yes		lean
5951	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	13	13	yes	1	15	fair	no	yes		lean
5952	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	11	15	12	yes	1	21	fair	no	yes		lean
5953	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	6	12	6	yes	0	20	poor	no	yes		slight lean
5954	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	11	6	yes	0	7	fair	no	yes		slight lean
5955	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5958	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	5	5	3	yes	0	1	fair	no	yes		lean
5959	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	5	6	5	yes	1	3	fair	no	yes		lean
5960	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	6	9	8	yes	1	9	poor	no	yes		no
5961	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5962	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	5	4	yes	0	2	fair	no	yes		slight lean
5963	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	7	5	yes	0	5	fair	no	yes		lean
5964	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	9	10	yes	1	8	poor	no	yes		lean
5965	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	10	8	yes	1	9	poor	no	yes		lean
5966	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	6	10	6	yes	0	7	poor	no	yes		lean
5967	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	10	9	yes	0	5	fair	no	yes		extreme lean
5968	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	10	8	yes	1	3	fair	no	yes		extreme lean
5969	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	12	7	yes	1	3	fair	no	yes		lean
5970	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	16	15	13	yes	9	18	fair	no	yes		extreme lean
5971	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	11	7	yes	0	8	fair	no	yes		lean
5972	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	10	13	8	yes	0	7	fair	no	yes		lean
5973	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	10	7	3	yes	0	1	fair	no	yes		slight lean
5974	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	16	8	yes	0	3	poor	no	yes		lean
5975	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	14	8	yes	0	5	poor	no	yes		lean
5976	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	11	8	yes	1	5	fair	no	yes		no
5977	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	6	12	10	yes	0	3	fair	no	yes		lean
5978	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	10	7	yes	1	21	fair	no	yes		lean
5979	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	12	15	20	yes	4	50	poor	no	yes		lean
5980	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	11	11	4	yes	1	3	good	no	yes		lean
5981	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	12	11	4	yes	3	4	good	no	yes		slight lean
5982	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	11	5	yes	0	3	good	no	yes		lean
5983	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	11	13	20	yes	1	50	good	no	yes		lean
5984	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5985	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5986	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	9	4	yes	0	4	fair	no	yes		lean
5987	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
5988	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	13	7	yes	2	20	fair	no	yes		lean
5989	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	13	7	yes	1	14	good	no	yes		slight lean
5990	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	16	25	15	yes	3	50	poor	no	yes		no
5991	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	10	12	10	yes	1	1	fair	no	yes		lean
5992	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	11	10	2	yes	0	3	dead; freshly fallen	n/a	yes		n/a
5993	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	2	2	2	yes	0	1	fair	no	yes		no
5994	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	5	4	3	yes	0	1	good	yes	yes		no
5995	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	14	30	20	yes	1	42	critical	no	yes		lean
5996	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	15	25	15	yes	6	33	poor	no	yes		lean
5997	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	5	5	yes	0	2	good	yes	yes		slight lean
5998	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	7	3	yes	0	1	good	yes	yes		slight lean
5999	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6000	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	10	6	yes	0	5	good	no	yes		lean
6001	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	10	4	yes	1	6	good	no	yes		slight lean
6002	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	3	2	yes	0	1	good	yes	yes		no
6003	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	12	6	yes	0	12	good	yes	yes		slight lean
6004	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	9	6	yes	1	9	good	no	yes		slight lean
6005	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6006	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	13	7	yes	2	18	fair	no	yes		lean
6007	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	6	5	4	yes	0	3	fair	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6008	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	14	8	yes	3	20	good	no	yes		slight lean
6009	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	7	4	yes	0	7	good	no	yes		slight lean
6010	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	11	4	yes	1	13	fair	no	yes		lean
6011	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	9	4	yes	1	6	good	no	yes		slight lean
6012	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	10	7	yes	2	9	fair	no	yes		no
6013	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	12	7	yes	2	20	good	no	yes		slight lean
6014	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6015	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	11	n/a	yes	0	8	dead; moderately aged	n/a	yes		n/a
6016	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	14	6	yes	1	4	good	no	yes		lean
6017	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	6	2	yes	0	1	good	yes	yes		no
6018	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	11	3	yes	0	1	good	no	yes		lean
6019	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	19	11	yes	0	23	fair	no	yes		lean
6020	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		no
6021	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	13	6	yes	0	9	good	no	yes		slight lean
6022	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	13	3	yes	0	4	good	no	yes		no
6023	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	5	7	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
6024	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	8	7	yes	1	4	poor	no	yes		lean
6025	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	3	3	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
6026	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	11	5	yes	0	2	good	no	yes		no
6027	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	10	9	3	yes	0	1	good	no	yes		no
6028	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	9	9	3	yes	0	1	good	yes	yes		no
6029	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	6	4	yes	0	2	good	no	yes		slight lean
6030	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	13	4	yes	0	4	fair	no	yes		slight lean
6031	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	5	8	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6032	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		slight lean
6033	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	13	4	yes	0	7	good	no	yes		slight lean
6034	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	12	7	yes	2	13	good	no	yes		lean
6035	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	11	4	yes	0	4	good	no	yes		slight lean
6036	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	8	3	yes	0	5	good	yes	yes		slight lean
6037	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	11	2	yes	0	1	good	no	yes		slight lean
6038	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	10	3	yes	0	4	fair	no	yes		slight lean
6039	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		slight lean
6040	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
6041	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	11	3	yes	0	3	good	no	yes		slight lean
6042	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	11	5	yes	0	7	good	no	yes		slight lean
6043	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	6	6	6	yes	0	1	fair	no	yes		extreme lean
6044	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		slight lean
6045	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	14	7	yes	0	10	good	no	yes		slight lean
6046	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	7	5	2	yes	0	1	good	yes	yes		no
6047	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	13	7	yes	0	9	good	no	yes		slight lean
6048	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	10	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6049	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		no
6050	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		slight lean
6051	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	13	10	yes	1	9	good	no	yes		lean
6052	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	4	3	3	yes	0	3	fair	no	yes		no
6053	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	12	7	yes	0	6	good	no	yes		slight lean
6054	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	12	5	yes	0	5	good	no	yes		slight lean
6055	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	11	3	yes	0	5	good	no	yes		slight lean
6056	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	12	5	yes	0	8	good	no	yes		slight lean
6057	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	12	4	yes	0	4	good	no	yes		slight lean
6058	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	6	10	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
6059	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		no
6060	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6061	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	3	6	1	yes	0	1	dead; standing	n/a	yes		no
6062	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	3	6	yes	0	15	good	no	yes		lean
6063	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	3	2	1	yes	0	1	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6064	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	9	5	yes	0	6	good	no	yes		lean
6065	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	11	2	yes	0	3	good	no	yes		slight lean
6066	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	13	7	yes	1	8	fair	no	yes		slight lean
6067	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	7	10	7	yes	1	3	good	no	yes		lean
6068	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	5	3	yes	0	1	good	no	yes		slight lean
6069	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	12	7	yes	0	8	good	yes	yes		slight lean
6070	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	no	8	13	8	yes	1	10	good	yes	yes		slight lean
6071	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
6072	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/10/2022	yes	yes	9	7	3	yes	0	1	good	no	yes		no
6073	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	7	2	yes	0	1	good	no	yes		no
6074	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	6	12	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
6075	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	12	5	yes	0	5	good	yes	yes		slight lean
6076	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		slight lean
6077	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	9	5	yes	0	1	good	no	yes		crown leaning
6078	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	11	4	yes	0	9	good	no	yes		slight lean
6079	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	15	11	yes	1	18	good	no	yes		lean
6080	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		no
6081	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	9	3	yes	0	4	good	no	yes		slight lean
6082	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	11	8	yes	1	9	good	no	yes		slight lean
6083	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	6	3	2	yes	0	1	good	yes	yes		slight lean
6084	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	6	2	yes	0	1	good	no	yes		lean
6085	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
6086	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	12	7	yes	0	14	good	no	yes		lean
6087	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	10	4	yes	1	4	good	no	yes		slight lean
6088	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	7	5	yes	1	7	good	no	yes		no
6089	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	6	3	2	yes	0	1	good	no	yes		slight lean
6090	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
6091	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	12	4	yes	0	5	good	yes	yes		slight lean
6092	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	10	5	yes	0	5	good	no	yes		lean
6093	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	11	7	yes	0	7	good	no	yes		slight lean
6094	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	4	9	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
6095	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	6	3	2	yes	0	1	good	no	yes		slight lean
6096	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		no
6097	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	7	9	3	yes	0	3	good	yes	yes		slight lean
6098	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	11	8	yes	1	6	good	no	yes		slight lean
6099	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
6100	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	7	3	yes	0	1	good	no	yes		slight lean
6101	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6102	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	9	4	yes	0	4	good	no	yes		slight lean
6103	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	11	21	14	yes	4	24	good	no	yes		slight lean
6104	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	5	2	yes	0	1	good	yes	yes		no
6105	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	14	9	yes	0	11	good	yes	yes		slight lean
6106	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	13	8	yes	0	12	fair	no	yes		slight lean
6107	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	9	3	yes	0	1	good	no	yes		no
6108	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		slight lean
6109	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	8	3	yes	0	1	good	no	yes		lean
6110	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	13	n/a	yes	0	7	dead; moderately aged	n/a	yes		n/a
6111	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	11	5	yes	0	7	fair	no	yes		slight lean
6112	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	13	6	yes	0	6	fair	no	yes		slight lean
6113	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	6	10	5	yes	0	6	fair	no	yes		lean
6114	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	9	3	yes	0	2	good	no	yes		lean
6115	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	9	3	yes	1	1	good	no	yes		no
6116	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	7	2	yes	0	1	good	yes	yes		no
6117	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	14	14	yes	3	45	poor	no	yes		lean
6118	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	13	5	yes	0	7	fair	no	yes		slight lean
6119	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	13	6	yes	1	7	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6120	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	9	7	yes	1	3	good	no	yes		extreme lean
6121	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6122	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	9	7	5	yes	1	9	poor	no	yes		no
6123	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6124	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	8	11	8	yes	0	8	fair	no	yes		lean
6125	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	9	8	3	yes	0	3	good	no	yes		no
6126	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	9	8	2	yes	0	1	good	yes	yes		no
6127	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6128	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
6129	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	6	3	2	yes	0	1	good	no	yes		no
6130	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	7	10	5	yes	0	7	good	no	yes		slight lean
6131	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	9	9	3	yes	1	3	good	no	yes		no
6132	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	8	9	5	yes	0	5	good	no	yes		lean
6133	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6134	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	7	5	3	yes	0	1	good	no	yes		lean
6135	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	8	11	3	yes	0	1	good	no	yes		slight lean
6136	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	8	6	4	yes	0	2	good	no	yes		slight lean
6137	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
6138	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	7	10	3	yes	0	3	good	no	yes		slight lean
6139	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	7	6	3	yes	0	2	good	no	yes		slight lean
6140	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	13	20	18	yes	5	70	poor	no	yes		extreme lean
6141	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	9	12	13	yes	1	16	good	no	yes		lean
6142	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	8	8	9	yes	0	5	poor	no	yes		slight lean
6143	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	6	5	2	yes	0	1	good	no	yes		lean
6144	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	9	11	11	yes	1	10	poor	no	yes		slight lean
6145	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	9	16	11	yes	1	23	good	no	yes		slight lean
6146	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	11	18	12	yes	2	35	good	no	yes		slight lean
6147	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	7	2	2	yes	0	1	good	no	yes		no
6148	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	10	16	13	yes	4	26	fair	no	yes		lean
6149	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	9	14	8	yes	1	10	good	no	yes		lean
6150	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	9	15	15	yes	0	23	poor	no	yes		lean
6151	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	8	14	9	yes	1	14	good	yes	yes		slight lean
6152	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	10	17	12	yes	1	30	fair	no	yes		slight lean
6153	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	8	14	7	yes	0	13	good	no	yes		slight lean
6154	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6155	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	9	15	9	yes	0	25	good	no	yes		lean
6156	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	8	12	10	yes	0	12	good	no	yes		lean
6157	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	8	7	2	yes	0	1	good	yes	yes		no
6158	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	7	4	2	yes	0	1	good	yes	yes		slight lean
6159	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	9	8	3	yes	0	3	good	no	yes		lean
6160	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	12	18	13	yes	1	50	fair	no	yes		lean
6161	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	7	9	3	yes	0	6	good	no	yes		slight lean
6162	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	8	9	3	yes	0	4	good	no	yes		lean
6163	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	5	10	4	yes	0	10	poor	no	yes		slight lean
6164	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	6	10	7	yes	1	4	fair	no	yes		lean
6165	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	7	5	2	yes	0	1	good	yes	yes		slight lean
6166	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	7	13	6	yes	0	8	good	no	yes		slight lean
6167	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	8	7	2	yes	0	1	good	yes	yes		slight lean
6168	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	6	6	2	yes	0	1	good	no	yes		slight lean
6169	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		no
6170	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	no	no	2	1	1	yes	0	1	good	yes	yes		slight lean
6171	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	7	11	4	yes	0	6	fair	no	yes		lean
6172	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	8	12	5	yes	0	6	good	yes	yes		no
6173	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	4	3	4	yes	0	2	good	yes	yes		slight lean
6174	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	9	13	9	yes	2	16	good	no	yes		lean
6175	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6176	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6177	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	10	18	10	yes	3	15	good	no	yes		no
6178	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	8	13	11	yes	0	9	fair	no	yes		extreme lean
6179	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	yes	8	14	12	yes	0	8	critical	no	yes		extreme lean
6180	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	7	9	7	yes	0	7	poor	no	yes		no
6181	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6182	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	9	11	3	yes	0	3	good	yes	yes		slight lean
6183	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6184	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/13/2022	yes	no	4	2	1	yes	0	1	fair	no	yes		slight lean
6185	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	7	14	5	yes	1	8	good	no	yes		lean
6186	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	7	11	2	yes	0	3	good	no	yes		slight lean
6187	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6188	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	10	16	12	yes	1	25	good	no	yes		slight lean
6189	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	10	18	10	yes	1	35	good	no	yes		lean
6190	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		slight lean
6191	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	10	17	12	yes	1	22	good	no	yes		lean
6192	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	10	23	10	yes	0	20	poor	no	yes		lean
6193	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	10	15	n/a	yes	0	15	dead; moderately aged	n/a	yes		n/a
6194	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	8	14	6	yes	0	7	good	no	yes		lean
6195	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	9	16	15	yes	0	23	good	no	yes		extreme lean
6196	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6197	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	9	16	9	yes	0	23	good	no	yes		slight lean
6198	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	9	8	3	yes	1	3	fair	no	yes		slight lean
6199	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	9	9	6	yes	1	8	good	no	yes		slight lean
6200	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	no	9	9	3	yes	0	5	good	yes	yes		slight lean
6201	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/14/2022	yes	yes	10	17	11	yes	2	30	poor	no	yes		slight lean
6202	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	8	6	yes	1	12	good	no	yes		lean
6203	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	6	10	6	yes	0	14	fair	no	yes		lean
6204	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	5	9	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6205	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	6	4	5	yes	0	3	poor	no	yes		no
6206	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		no
6207	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	14	9	yes	1	13	good	no	yes		lean
6208	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		slight lean
6209	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	9	3	yes	0	4	good	no	yes		lean
6210	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	14	5	yes	0	12	good	no	yes		lean
6211	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	11	4	yes	0	7	good	no	yes		lean
6212	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	13	5	yes	0	8	good	no	yes		slight lean
6213	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	10	3	yes	0	9	good	no	yes		lean
6214	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	12	4	yes	0	6	good	no	yes		lean
6215	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	9	4	yes	0	5	good	no	yes		lean
6216	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	13	9	yes	0	100+	good	no	yes		lean
6217	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	12	9	yes	0	7	good	no	yes		lean
6218	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	6	5	yes	0	2	good	no	yes		lean
6219	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	9	4	yes	0	3	good	no	yes		lean
6220	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		slight lean
6221	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	15	9	yes	0	26	good	no	yes		lean
6222	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	11	4	yes	0	4	good	no	yes		extreme lean
6223	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
6224	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	12	11	yes	4	4	good	no	yes		extreme lean
6225	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	12	9	yes	0	10	good	no	yes		lean
6226	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		slight lean
6227	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		slight lean
6228	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	13	10	yes	0	15	fair	no	yes		extreme lean
6229	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	13	9	yes	0	11	good	no	yes		lean
6230	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6231	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	7	3	yes	0	3	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6232	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	6	2	yes	1	1	good	no	yes		no
6233	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	4	2	yes	0	1	good	no	yes		lean
6234	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	12	8	yes	0	15	fair	no	yes		slight lean
6235	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	9	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
6236	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	9	4	yes	0	8	good	no	yes		slight lean
6237	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	9	7	yes	1	6	good	yes	yes		no
6238	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6239	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6240	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	8	5	yes	0	3	good	yes	yes		slight lean
6241	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	6	2	yes	0	1	good	yes	yes		no
6242	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	3	2	yes	0	1	good	no	yes		no
6243	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	3	3	yes	0	2	good	no	yes		slight lean
6244	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	5	3	yes	0	1	good	no	yes		slight lean
6245	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	14	12	yes	2	30	fair	no	yes		slight lean
6246	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6247	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	9	6	yes	1	9	good	no	yes		no
6248	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	8	4	yes	0	5	good	yes	yes		slight lean
6249	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	9	6	yes	0	11	good	no	yes		slight lean
6250	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	10	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
6251	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		slight lean
6252	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	10	4	yes	1	9	good	no	yes		no
6253	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	7	3	yes	1	3	good	no	yes		slight lean
6254	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6255	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	10	6	yes	0	7	good	yes	yes		slight lean
6256	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6257	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	11	6	yes	1	13	good	no	yes		lean
6258	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
6259	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	10	4	yes	0	8	fair	no	yes		slight lean
6260	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	5	2	yes	0	1	good	yes	yes		slight lean
6261	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	9	5	yes	0	10	good	no	yes		slight lean
6262	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	11	9	yes	2	12	fair	no	yes		lean
6263	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	8	3	yes	1	6	good	no	yes		no
6264	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	9	6	yes	1	6	good	no	yes		lean
6265	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		slight lean
6266	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	6	3	2	yes	0	1	good	no	yes		no
6267	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	6	1	yes	0	1	good	no	yes		no
6268	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	6	2	yes	0	2	good	yes	yes		no
6269	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	8	4	yes	1	1	good	no	yes		lean
6270	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	9	5	yes	0	10	good	no	yes		lean
6271	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	5	3	4	yes	0	3	good	no	yes		slight lean
6272	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	9	3	yes	0	4	critical	no	yes		slight lean
6273	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	11	7	yes	0	11	good	no	yes		lean
6274	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	5	3	1	yes	0	1	good	no	yes		no
6275	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
6276	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	9	6	yes	1	13	good	yes	yes		slight lean
6277	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	10	5	yes	0	10	good	no	yes		lean
6278	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	4	2	yes	0	1	good	no	yes		lean
6279	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	10	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
6280	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	5	3	1	yes	0	1	good	no	yes		no
6281	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	7	3	yes	0	5	good	no	yes		lean
6282	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	4	7	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
6283	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	9	3	yes	0	7	good	no	yes		lean
6284	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	11	4	yes	1	8	good	no	yes		slight lean
6285	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	11	5	yes	1	9	good	no	yes		lean
6286	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
6287	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	13	10	yes	3	15	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6288	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	8	3	yes	0	3	good	no	yes		no
6289	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
6290	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	8	5	yes	0	10	good	no	yes		extreme lean
6291	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	8	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6292	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	4	3	yes	0	2	good	no	yes		slight lean
6293	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		no
6294	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	7	3	2	yes	0	1	good	yes	yes		no
6295	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	8	3	yes	0	3	good	no	yes		no
6296	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	11	7	yes	0	17	good	no	yes		lean
6297	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	11	7	yes	1	15	good	yes	yes		slight lean
6298	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	9	3	yes	0	4	good	no	yes		slight lean
6299	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	6	2	yes	1	1	good	no	yes		slight lean
6300	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	6	2	yes	0	1	fair	no	yes		no
6301	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	13	n/a	yes	0	15	dead; moderately aged	n/a	yes		n/a
6302	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	5	5	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
6303	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		no
6304	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	9	4	yes	0	11	good	no	yes		slight lean
6305	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	6	2	yes	0	1	good	yes	yes		slight lean
6306	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6307	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	6	8	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6308	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	4	2	yes	0	3	good	no	yes		slight lean
6309	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	6	10	5	yes	0	9	good	no	yes		extreme lean
6310	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	6	8	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6311	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	4	1	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
6312	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	10	4	yes	0	5	good	no	yes		slight lean
6313	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	6	3	2	yes	0	1	good	no	yes		no
6314	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	6	3	1	yes	0	1	good	no	yes		slight lean
6315	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	9	5	yes	0	15	good	no	yes		lean
6316	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	4	2	yes	0	1	good	yes	yes		slight lean
6317	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	5	9	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6318	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	6	2	yes	0	1	good	yes	yes		slight lean
6319	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	6	8	3	yes	0	4	good	no	yes		slight lean
6320	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		no
6321	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6322	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	5	8	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6323	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	6	9	6	yes	1	9	good	no	yes		lean
6324	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		slight lean
6325	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	9	5	yes	0	8	fair	no	yes		no
6326	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	3	2	yes	0	1	good	no	yes		lean
6327	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	11	13	10	yes	0	10	critical	no	yes		lean
6328	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	6	3	yes	0	1	good	no	yes		no
6329	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	10	4	yes	1	7	good	no	yes		slight lean
6330	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	9	5	yes	1	8	good	no	yes		lean
6331	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
6332	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	6	2	yes	0	1	good	yes	yes		no
6333	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	3	2	yes	0	1	good	no	yes		slight lean
6334	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	6	10	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6335	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	8	5	yes	0	5	poor	no	yes		no
6336	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	15	10	yes	0	9	good	no	yes		extreme lean
6337	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	3	4	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
6338	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	9	7	yes	0	5	poor	no	yes		slight lean
6339	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	14	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
6340	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	6	10	7	yes	0	8	poor	no	yes		lean
6341	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
6342	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	3	1	1	yes	0	1	dead; standing	n/a	yes		no
6343	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	12	8	yes	2	17	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6344	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	5	7	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
6345	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
6346	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	9	3	yes	0	5	good	no	yes		slight lean
6347	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		no
6348	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	4	10	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6349	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	4	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
6350	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	12	12	yes	2	22	poor	no	yes		slight lean
6351	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6352	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	10	5	yes	0	9	good	no	yes		slight lean
6353	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	7	2	yes	0	1	good	no	yes		slight lean
6354	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	15	11	yes	2	30	fair	no	yes		slight lean
6355	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	4	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
6356	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6357	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		no
6358	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	6	3	yes	0	1	good	yes	yes		slight lean
6359	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	6	3	2	yes	0	1	good	yes	yes		slight lean
6360	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	20	15	yes	2	40	fair	no	yes		slight lean
6361	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	5	3	yes	0	1	good	no	yes		lean
6362	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	7	5	yes	0	7	fair	no	yes		slight lean
6363	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	11	7	yes	0	11	fair	no	yes		lean
6364	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	9	4	yes	0	7	good	no	yes		slight lean
6365	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	9	4	yes	0	11	fair	no	yes		lean
6366	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6367	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6368	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	13	9	yes	1	21	poor	no	yes		lean
6369	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	14	7	yes	0	18	poor	no	yes		no
6370	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	6	3	yes	1	4	good	no	yes		no
6371	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	10	6	yes	1	10	good	no	yes		no
6372	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	12	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
6373	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	6	3	yes	1	3	good	no	yes		no
6374	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	8	9	yes	1	7	good	no	yes		slight lean
6375	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	7	3	yes	1	1	fair	no	yes		lean
6376	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	14	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
6377	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	8	3	yes	0	3	good	no	yes		slight lean
6378	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	14	8	yes	0	23	good	no	yes		lean
6379	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	5	2	1	yes	0	1	good	no	yes		no
6380	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	9	7	yes	2	18	fair	no	yes		slight lean
6381	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	9	3	yes	0	6	good	no	yes		slight lean
6382	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	14	9	yes	3	30	fair	no	yes		lean
6383	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		no
6384	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
6385	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	7	3	yes	0	12	poor	no	yes		slight lean
6386	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	11	5	yes	0	11	good	no	yes		no
6387	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	10	13	13	yes	1	35	poor	no	yes		slight lean
6388	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	12	10	yes	1	30	fair	no	yes		lean
6389	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6390	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	8	7	yes	0	10	fair	no	yes		lean
6391	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	3	2	yes	0	1	good	yes	yes		slight lean
6392	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	5	3	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
6393	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	8	3	yes	0	3	good	no	yes		slight lean
6394	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	9	3	yes	0	5	good	no	yes		slight lean
6395	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		no
6396	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	12	6	yes	0	6	good	yes	yes		slight lean
6397	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	14	11	yes	1	16	fair	no	yes		slight lean
6398	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6399	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	5	3	1	yes	0	1	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6400	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
6401	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	9	4	yes	0	3	good	no	yes		slight lean
6402	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	3	3	2	yes	0	1	fair	no	yes		lean
6403	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	9	4	yes	0	3	good	no	yes		lean
6404	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	6	6	4	yes	0	3	good	no	yes		lean
6405	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	8	11	5	yes	0	6	good	yes	yes		slight lean
6406	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6407	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	14	8	yes	0	17	good	no	yes		lean
6408	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	4	1	yes	0	1	good	no	yes		slight lean
6409	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	7	11	4	yes	0	6	good	yes	yes		slight lean
6410	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	15	9	yes	0	25	good	no	yes		slight lean
6411	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	12	17	10	yes	0	40	good	no	yes		lean
6412	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	12	18	14	yes	1	50	fair	no	yes		lean
6413	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6414	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	4	7	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6415	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	5	4	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6416	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	14	6	yes	0	9	good	no	yes		lean
6417	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	9	3	yes	0	2	good	no	yes		slight lean
6418	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		no
6419	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	9	10	6	yes	1	20	good	yes	yes		slight lean
6420	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	12	7	yes	0	16	fair	no	yes		lean
6421	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		no
6422	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	9	14	10	yes	3	17	good	yes	yes		slight lean
6423	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6424	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6425	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	9	13	13	yes	4	28	good	yes	yes		slight lean
6426	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6427	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	6	9	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
6428	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	8	14	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
6429	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	8	10	8	yes	0	12	dead; standing	n/a	yes		no
6430	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	7	8	2	yes	0	2	good	yes	yes		no
6431	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6432	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	12	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
6433	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6434	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	6	13	4	yes	1	5	fair	no	yes		lean
6435	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	15	9	yes	2	30	fair	no	yes		slight lean
6436	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		no
6437	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	8	12	7	yes	3	25	fair	no	yes		lean
6438	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	17	17	16	yes	9	75	fair	no	yes		no
6439	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6440	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	11	13	13	yes	5	25	fair	no	yes		slight lean
6441	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	1	1	1	yes	0	1	good	no	yes		no
6442	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	4	18	16	yes	5	45	poor	no	yes		slight lean
6443	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	7	12	4	yes	0	6	good	yes	yes		slight lean
6444	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6445	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	13	17	yes	1	23	poor	no	yes		lean
6446	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	8	3	yes	0	1	good	no	yes		lean
6447	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	11	9	yes	0	20	poor	no	yes		lean
6448	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	17	13	yes	0	35	fair	no	yes		lean
6449	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6450	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
6451	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	6	6	4	yes	0	4	fair	no	yes		lean
6452	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	8	6	3	yes	0	1	good	no	yes		lean
6453	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		slight lean
6454	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	13	13	10	yes	0	11	good	no	yes		slight lean
6455	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6456	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	8	9	4	yes	0	2	good	no	yes		lean
6457	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	8	8	4	yes	0	5	poor	no	yes		lean
6458	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	6	4	yes	0	2	good	no	yes		lean
6459	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	11	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6460	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	8	3	yes	1	1	good	no	yes		slight lean
6461	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6462	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	9	5	yes	0	1	good	no	yes		lean
6463	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6464	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	9	3	yes	0	1	good	no	yes		slight lean
6465	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	17	12	yes	0	25	poor	no	yes		lean
6466	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6467	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	10	3	yes	0	1	good	no	yes		lean
6468	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	11	4	yes	0	1	good	no	yes		lean
6469	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	9	3	yes	0	3	good	no	yes		no
6470	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	3	2	1	yes	0	1	good	yes	yes		no
6471	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	13	20	15	yes	4	80	fair	no	yes		no
6472	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	11	19	15	yes	3	30	fair	no	yes		slight lean
6473	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	6	6	3	yes	0	4	good	no	yes		no
6474	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	11	9	yes	0	7	good	no	yes		extreme lean
6475	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	4	2	1	yes	0	1	good	no	yes		lean
6476	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6477	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	9	13	13	yes	1	13	good	no	yes		lean
6478	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	14	13	yes	0	26	fair	no	yes		lean
6479	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	5	3	1	yes	0	1	good	yes	yes		slight lean
6480	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	8	2	yes	0	1	good	no	yes		lean
6481	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	9	4	yes	0	3	good	no	yes		lean
6482	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	11	5	yes	1	3	good	no	yes		lean
6483	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	6	6	3	yes	0	2	good	no	yes		lean
6484	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		no
6485	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	12	7	5	yes	0	5	poor	no	yes		lean
6486	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	13	8	yes	0	14	good	no	yes		lean
6487	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	3	3	2	yes	0	1	good	no	yes		slight lean
6488	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	4	3	yes	0	2	good	no	yes		slight lean
6489	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	4	8	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
6490	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	11	6	yes	1	6	poor	no	yes		lean
6491	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	5	3	3	yes	0	2	good	yes	yes		slight lean
6492	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	10	6	yes	0	13	good	no	yes		lean
6493	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	8	3	yes	0	1	good	no	yes		lean
6494	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	11	5	yes	0	13	poor	no	yes		lean
6495	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	11	9	yes	0	12	poor	no	yes		lean
6496	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	12	10	yes	1	11	fair	no	yes		lean
6497	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	15	14	yes	0	25	poor	no	yes		extreme lean
6498	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	6	7	6	yes	0	1	good	no	yes		extreme lean
6499	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	11	8	yes	0	9	fair	no	yes		lean
6500	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	11	3	yes	0	5	good	no	yes		lean
6501	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		slight lean
6502	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	12	5	yes	1	5	good	no	yes		lean
6503	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	12	10	yes	0	28	fair	no	yes		extreme lean
6504	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	14	14	yes	6	40	good	no	yes		lean
6505	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	10	7	yes	1	16	good	no	yes		lean
6506	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
6507	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	10	16	11	yes	6	30	fair	no	yes		extreme lean
6508	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	7	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6509	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	14	7	yes	1	10	good	no	yes		lean
6510	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	10	3	yes	0	3	good	no	yes		lean
6511	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	11	4	yes	1	7	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6512	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	13	6	yes	1	9	good	no	yes		lean
6513	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6514	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	7	3	yes	1	4	good	no	yes		extreme lean
6515	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	11	15	6	yes	2	15	good	no	yes		lean
6516	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	11	14	11	yes	6	30	good	no	yes		extreme lean
6517	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/9/2022	yes	no	12	15	12	yes	0	35	fair	no	yes		slight lean
6518	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	9	6	yes	0	8	good	no	yes		slight lean
6519	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	11	14	9	yes	1	44	good	no	yes		no
6520	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	11	13	12	yes	5	45	good	no	yes		crown leaning
6521	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6522	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		slight lean
6523	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6524	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	8	2	yes	0	3	dead; freshly fallen	n/a	yes		n/a
6525	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	5	8	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
6526	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	5	4	2	yes	0	1	good	no	yes		slight lean
6527	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	13	12	6	yes	4	32	good	yes	yes		no
6528	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	6	3	2	yes	0	1	good	yes	yes		no
6529	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	7	9	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6530	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	9	3	yes	0	7	good	yes	yes		slight lean
6531	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	13	15	12	yes	4	50	good	yes	yes		no
6532	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	14	6	yes	2	19	good	no	yes		lean
6533	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	12	6	yes	0	15	good	no	yes		lean
6534	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	9	4	yes	0	5	good	yes	yes		slight lean
6535	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	7	7	2	yes	0	3	good	yes	yes		slight lean
6536	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	13	6	yes	0	10	good	no	yes		lean
6537	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	8	4	yes	0	4	good	yes	yes		slight lean
6538	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	12	7	yes	0	19	good	no	yes		lean
6539	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	12	13	13	yes	1	32	good	no	yes		extreme lean
6540	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	12	13	12	yes	4	70	good	no	yes		lean
6541	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	4	3	1	yes	0	1	good	yes	yes		no
6542	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	14	7	yes	3	30	good	no	yes		lean
6543	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		no
6544	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	7	4	2	yes	0	1	good	no	yes		lean
6545	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	6	7	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6546	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	8	4	yes	0	10	fair	no	yes		lean
6547	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	6	4	2	yes	0	1	good	yes	yes		no
6548	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	8	3	yes	0	4	good	no	yes		slight lean
6549	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	12	3	yes	0	4	good	no	yes		lean
6550	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	4	1	1	yes	0	2	good	yes	yes		no
6551	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	10	4	yes	0	3	good	no	yes		lean
6552	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	1	1	1	yes	0	1	good	no	yes		lean
6553	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	3	2	1	yes	0	1	good	yes	yes		slight lean
6554	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6555	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	12	13	6	yes	3	7	good	yes	yes		no
6556	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	11	13	9	yes	1	30	fair	no	yes		extreme lean
6557	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	11	6	yes	1	16	good	no	yes		lean
6558	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	10	6	yes	1	19	good	no	yes		slight lean
6559	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	8	3	yes	1	6	good	no	yes		lean
6560	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	9	6	yes	0	17	good	no	yes		slight lean
6561	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	11	14	8	yes	0	35	fair	no	yes		lean
6562	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	7	1	yes	0	1	good	yes	yes		slight lean
6563	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	10	5	yes	0	7	poor	no	yes		lean
6564	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	4	4	1	yes	0	1	good	no	yes		lean
6565	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	11	14	10	yes	0	50	good	no	yes		extreme lean
6566	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	8	12	6	yes	0	16	good	no	yes		lean
6567	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	5	6	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6568	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	13	8	yes	4	21	good	no	yes		no
6569	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	12	5	yes	0	14	good	no	yes		slight lean
6570	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	11	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6571	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6572	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	10	12	10	yes	1	17	poor	no	yes		extreme lean
6573	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	11	8	3	yes	0	5	good	no	yes		lean
6574	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6575	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	8	4	yes	0	7	good	no	yes		lean
6576	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	10	15	8	yes	3	30	good	no	yes		no
6577	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	12	11	7	yes	5	30	good	yes	yes		no
6578	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	9	8	3	yes	0	4	good	no	yes		lean
6579	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	8	7	5	yes	0	5	good	no	yes		lean
6580	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	11	5	yes	1	9	good	no	yes		lean
6581	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	10	12	10	yes	6	28	good	no	yes		lean
6582	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	9	11	10	yes	3	45	fair	no	yes		extreme lean
6583	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	12	13	10	yes	2	25	good	no	yes		no
6584	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	14	13	12	yes	7	80	good	no	yes		no
6585	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	10	12	9	yes	1	25	good	no	yes		slight lean
6586	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
6587	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	5	4	3	yes	0	3	good	yes	yes		slight lean
6588	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		slight lean
6589	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	6	8	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6590	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	11	8	7	yes	0	11	dead; freshly fallen	n/a	yes		n/a
6591	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	10	7	6	yes	0	17	good	yes	yes		slight lean
6592	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	yes	13	13	8	yes	4	65	good	no	yes		slight lean
6593	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	11	14	12	yes	5	64	good	no	yes		extreme lean
6594	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/13/2022	yes	no	13	17	13	yes	7	70	good	no	yes		slight lean
6595	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	16	20	15	yes	7	100+	good	no	yes		extreme lean
6596	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	16	13	yes	6	51	good	no	yes		lean
6597	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	11	13	9	yes	0	35	good	no	yes		lean
6598	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	10	10	yes	1	17	good	no	yes		lean
6599	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	8	2	yes	1	3	good	no	yes		lean
6600	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	8	3	yes	0	5	dead; freshly fallen	n/a	yes		n/a
6601	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	9	7	yes	0	14	good	no	yes		lean
6602	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	4	3	1	yes	0	1	good	yes	yes		no
6603	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	10	6	yes	0	11	good	no	yes		slight lean
6604	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	15	25	18	yes	11	100+	good	no	yes		slight lean
6605	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	14	15	yes	3	60	good	no	yes		lean
6606	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	13	16	14	yes	1	34	fair	no	yes		extreme lean
6607	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	10	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6608	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	11	14	10	yes	0	40	good	no	yes		lean
6609	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	13	16	16	yes	7	85	good	no	yes		slight lean
6610	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	9	7	yes	0	12	good	no	yes		slight lean
6611	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	11	5	yes	1	8	good	no	yes		slight lean
6612	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	11	6	yes	1	11	good	no	yes		slight lean
6613	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	10	2	yes	0	1	good	no	yes		lean
6614	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	12	6	yes	0	11	good	no	yes		slight lean
6615	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	1	1	1	yes	0	1	good	no	yes		no
6616	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		lean
6617	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	16	14	14	yes	14	100+	good	no	yes		no
6618	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	13	15	14	yes	2	35	good	yes	yes		slight lean
6619	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	9	5	yes	0	5	good	no	yes		extreme lean
6620	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	6	7	4	yes	1	2	good	no	yes		lean
6621	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	5	7	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
6622	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	8	4	yes	1	3	good	no	yes		no
6623	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	9	4	yes	1	4	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6624	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	8	3	yes	0	5	good	no	yes		lean
6625	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	8	3	yes	0	3	good	yes	yes		slight lean
6626	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
6627	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	2	1	1	yes	0	1	good	yes	yes		no
6628	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6629	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	11	14	10	yes	1	17	good	no	yes		lean
6630	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	8	6	yes	0	14	good	no	yes		lean
6631	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	11	8	2	yes	0	1	good	yes	yes		slight lean
6632	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	14	10	yes	0	18	good	no	yes		lean
6633	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	12	6	yes	0	13	good	no	yes		lean
6634	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	7	2	yes	0	1	good	yes	yes		slight lean
6635	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	6	3	3	yes	0	3	good	no	yes		slight lean
6636	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	11	16	11	yes	0	27	good	no	yes		extreme lean
6637	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	15	16	15	yes	3	60	good	no	yes		lean
6638	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	11	12	10	yes	1	25	fair	no	yes		extreme lean
6639	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	14	8	yes	1	30	good	no	yes		lean
6640	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	11	7	2	yes	0	1	good	no	yes		slight lean
6641	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	11	10	3	yes	0	3	good	no	yes		slight lean
6642	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	14	13	14	yes	2	45	good	no	yes		extreme lean
6643	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	12	10	5	yes	1	5	good	no	yes		slight lean
6644	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	4	2	yes	0	1	good	no	yes		lean
6645	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	7	3	yes	0	4	good	no	yes		slight lean
6646	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	8	3	yes	0	4	good	yes	yes		slight lean
6647	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	5	2	yes	0	1	good	yes	yes		no
6648	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	4	4	yes	0	4	fair	no	yes		slight lean
6649	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	11	14	9	yes	0	16	good	no	yes		lean
6650	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	10	5	yes	0	3	good	no	yes		lean
6651	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	8	3	yes	1	4	good	no	yes		lean
6652	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	11	3	yes	0	4	good	yes	yes		no
6653	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	12	5	yes	0	7	good	no	yes		slight lean
6654	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	8	2	yes	0	1	good	no	yes		no
6655	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	11	6	2	yes	0	1	good	no	yes		slight lean
6656	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	11	10	3	yes	0	4	good	no	yes		slight lean
6657	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	9	2	yes	0	1	good	no	yes		slight lean
6658	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	4	3	3	yes	0	2	good	yes	yes		slight lean
6659	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	8	2	yes	0	1	good	no	yes		slight lean
6660	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	14	7	yes	2	6	good	no	yes		lean
6661	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	6	2	yes	0	1	good	yes	yes		no
6662	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	5	2	yes	0	1	good	no	yes		slight lean
6663	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	12	4	yes	0	5	good	no	yes		slight lean
6664	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	13	6	yes	3	12	good	no	yes		slight lean
6665	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	12	3	yes	1	5	good	no	yes		slight lean
6666	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	12	6	yes	1	2	good	no	yes		lean
6667	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	9	13	7	yes	0	14	dead; freshly fallen	n/a	yes		n/a
6668	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	5	3	1	yes	0	1	good	yes	yes		no
6669	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	12	4	yes	0	3	good	no	yes		slight lean
6670	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	10	11	6	yes	1	5	good	no	yes		slight lean
6671	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	10	3	yes	0	3	good	no	yes		slight lean
6672	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	11	16	11	yes	0	30	good	no	yes		lean
6673	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	10	6	2	yes	0	1	good	yes	yes		slight lean
6674	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	no	8	12	6	yes	0	7	fair	no	yes		lean
6675	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	9	3	yes	0	4	good	no	yes		lean
6676	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	14	7	yes	1	10	good	no	yes		slight lean
6677	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	8	10	4	yes	1	5	good	no	yes		lean
6678	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	11	6	2	yes	0	1	good	no	yes		slight lean
6679	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	14	5	yes	1	6	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6680	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		no
6681	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	13	4	yes	0	5	good	no	yes		slight lean
6682	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	3	1	1	yes	0	1	good	no	yes		slight lean
6683	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/14/2022	yes	yes	9	12	5	yes	0	5	good	no	yes		slight lean
6684	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	13	6	yes	0	6	good	no	yes		lean
6685	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	8	2	yes	0	1	good	no	yes		lean
6686	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	6	2	yes	0	1	good	no	yes		slight lean
6687	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
6688	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	12	5	yes	1	8	good	no	yes		slight lean
6689	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	6	3	2	yes	0	1	good	no	yes		lean
6690	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
6691	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	13	5	yes	0	9	good	no	yes		lean
6692	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	14	4	yes	1	6	good	no	yes		no
6693	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	14	5	yes	0	9	good	no	yes		slight lean
6694	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	13	5	yes	1	7	good	no	yes		slight lean
6695	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	13	6	yes	2	9	good	no	yes		lean
6696	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	11	2	yes	0	1	good	no	yes		no
6697	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	8	3	yes	0	1	good	no	yes		no
6698	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	13	6	yes	1	5	good	no	yes		slight lean
6699	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	11	7	2	yes	0	1	good	yes	yes		no
6700	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	10	15	6	yes	0	27	good	no	yes		lean
6701	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	13	5	yes	1	4	good	no	yes		lean
6702	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	4	2	yes	0	1	good	yes	yes		no
6703	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
6704	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	14	5	yes	1	6	good	no	yes		no
6705	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	5	3	yes	0	1	good	no	yes		no
6706	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	4	3	yes	0	1	good	no	yes		slight lean
6707	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	14	6	yes	1	3	good	no	yes		lean
6708	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	11	11	8	yes	0	13	dead; freshly fallen	n/a	yes		n/a
6709	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	14	7	yes	2	9	good	no	yes		lean
6710	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		slight lean
6711	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	7	11	4	yes	1	3	good	no	yes		lean
6712	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		lean
6713	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	11	14	8	yes	2	20	good	no	yes		slight lean
6714	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	15	8	yes	2	6	good	no	yes		no
6715	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	13	4	yes	2	11	fair	no	yes		lean
6716	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	14	6	yes	1	7	good	yes	yes		slight lean
6717	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	14	7	yes	2	11	good	no	yes		slight lean
6718	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	13	4	yes	1	3	good	no	yes		lean
6719	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	12	6	yes	0	7	good	no	yes		lean
6720	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	11	4	yes	0	3	good	no	yes		lean
6721	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	10	2	yes	0	1	good	no	yes		slight lean
6722	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	13	6	yes	0	3	good	no	yes		slight lean
6723	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	15	12	yes	0	10	good	no	yes		lean
6724	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	16	5	yes	0	12	good	no	yes		no
6725	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	10	3	yes	1	3	good	no	yes		slight lean
6726	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	11	3	yes	1	3	good	no	yes		slight lean
6727	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	14	7	yes	2	11	good	no	yes		slight lean
6728	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	2	1	1	yes	0	1	good	yes	yes		no
6729	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	13	6	yes	2	5	good	no	yes		extreme lean
6730	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	8	2	yes	0	1	good	no	yes		slight lean
6731	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	8	2	yes	0	1	good	no	yes		slight lean
6732	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		no
6733	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	14	7	yes	1	6	good	no	yes		lean
6734	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	6	7	n/a	yes	0	n/a	dead; freshly fallen	n/a	yes		n/a
6735	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	10	4	yes	0	5	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6736	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	10	4	yes	0	3	good	no	yes		slight lean
6737	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	10	6	2	yes	0	1	good	yes	yes		no
6738	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	15	6	yes	0	8	good	no	yes		slight lean
6739	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	17	10	yes	2	22	good	no	yes		lean
6740	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	8	12	3	yes	1	5	good	no	yes		lean
6741	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	8	3	yes	0	4	good	no	yes		slight lean
6742	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	8	3	yes	0	3	good	no	yes		slight lean
6743	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	17	10	yes	2	20	good	no	yes		slight lean
6744	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	12	6	yes	0	12	good	no	yes		slight lean
6745	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	11	16	18	yes	6	65	good	no	yes		lean
6746	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	6	9	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6747	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	13	8	yes	0	35	fair	no	yes		extreme lean
6748	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	10	3	yes	0	7	good	no	yes		lean
6749	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	9	4	yes	0	5	good	yes	yes		slight lean
6750	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	12	12	14	yes	2	35	good	no	yes		lean
6751	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	14	7	yes	0	26	good	no	yes		lean
6752	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	6	2	yes	0	3	good	yes	yes		slight lean
6753	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	5	2	yes	0	1	fair	no	yes		extreme lean
6754	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	15	13	7	yes	3	20	good	yes	yes		slight lean
6755	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	10	10	6	yes	0	13	fair	no	yes		slight lean
6756	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	3	2	1	yes	0	1	good	yes	yes		no
6757	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		no
6758	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	6	3	yes	0	1	good	yes	yes		slight lean
6759	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	9	7	4	yes	1	9	good	no	yes		lean
6760	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6761	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	13	10	yes	2	32	good	no	yes		lean
6762	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	7	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6763	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6764	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	12	11	8	yes	1	13	good	no	yes		extreme lean
6765	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	11	15	11	yes	2	18	good	no	yes		slight lean
6766	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	6	7	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6767	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	10	13	6	yes	1	11	good	no	yes		lean
6768	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	10	14	6	yes	1	7	good	no	yes		extreme lean
6769	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	9	13	6	yes	1	10	good	no	yes		lean
6770	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6771	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	10	11	7	yes	2	10	good	no	yes		lean
6772	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	10	8	3	yes	0	3	good	no	yes		slight lean
6773	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6774	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	7	4	2	yes	0	1	good	yes	yes		no
6775	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		lean
6776	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	10	10	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6777	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
6778	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		no
6782	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	10	9	5	yes	1	10	good	yes	yes		no
6783	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	9	14	7	yes	3	30	good	no	yes		lean
6784	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	3	1	1	yes	0	3	good	no	yes		slight lean
6789	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	10	12	6	yes	2	19	good	no	yes		slight lean
6790	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	10	12	8	yes	3	36	good	no	yes		lean
6791	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	10	9	2	yes	1	1	good	yes	yes		slight lean
6796	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	10	11	7	yes	2	22	good	no	yes		lean
6797	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	5	3	1	yes	0	1	good	no	yes		slight lean
6798	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	8	11	5	yes	1	29	good	no	yes		slight lean
6799	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	yes	8	9	4	yes	0	8	good	no	yes		lean
6800	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/15/2022	yes	no	8	4	1	yes	0	1	fair	no	yes		no
6801	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	14	11	yes	3	50	good	no	yes		lean
6802	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	5	3	1	yes	0	1	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6803	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	13	6	yes	3	20	good	no	yes		slight lean
6804	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6805	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	9	13	11	yes	0	23	good	no	yes		lean
6806	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	7	3	yes	0	3	good	no	yes		slight lean
6807	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	15	6	yes	0	32	good	no	yes		no
6808	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	9	12	5	yes	0	17	good	no	yes		extreme lean
6809	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	12	6	yes	1	28	good	no	yes		slight lean
6810	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	11	6	yes	5	20	good	no	yes		no
6811	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		slight lean
6812	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	11	16	12	yes	5	60	good	no	yes		extreme lean
6813	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		no
6814	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	12	5	yes	0	8	good	no	yes		lean
6815	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	14	8	yes	0	9	good	no	yes		lean
6816	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	14	7	yes	0	18	good	no	yes		lean
6817	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	11	6	yes	0	13	good	no	yes		slight lean
6818	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	8	9	3	yes	1	1	good	yes	yes		slight lean
6819	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	14	6	yes	0	15	good	no	yes		lean
6820	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	13	6	yes	0	11	good	no	yes		slight lean
6821	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	8	10	yes	1	6	good	no	yes		lean
6822	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	13	7	yes	2	20	fair	no	yes		extreme lean
6823	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	14	8	yes	5	24	good	no	yes		lean
6824	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	12	6	yes	1	7	good	no	yes		extreme lean
6825	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	12	4	yes	2	7	good	no	yes		slight lean
6826	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	14	19	17	yes	5	85	good	no	yes		slight lean
6827	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	7	2	yes	1	1	good	no	yes		no
6828	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	11	10	yes	0	14	good	no	yes		lean
6829	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	13	16	yes	0	28	good	no	yes		extreme lean
6830	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6831	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6832	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6833	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		slight lean
6834	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	6	11	8	yes	1	8	good	no	yes		lean
6835	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	5	2	yes	0	1	good	no	yes		slight lean
6836	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		slight lean
6837	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	5	2	yes	0	4	good	no	yes		slight lean
6838	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	11	14	10	yes	0	26	good	no	yes		lean
6839	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	9	16	6	yes	0	12	good	no	yes		slight lean
6840	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	18	7	yes	2	11	good	no	yes		no
6841	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	15	8	yes	3	8	good	no	yes		slight lean
6842	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	15	9	yes	2	6	good	no	yes		slight lean
6843	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	9	2	yes	1	1	good	no	yes		slight lean
6844	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	11	9	yes	3	26	good	no	yes		lean
6845	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	10	5	3	yes	0	3	good	yes	yes		slight lean
6846	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	15	12	yes	0	28	good	no	yes		lean
6847	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	12	16	yes	1	25	fair	no	yes		extreme lean
6848	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	10	12	11	yes	2	35	good	yes	yes		slight lean
6849	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	10	10	6	yes	0	7	good	yes	yes		slight lean
6850	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		slight lean
6851	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		slight lean
6852	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	7	2	yes	0	3	good	no	yes		lean
6853	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		slight lean
6854	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	10	5	yes	0	10	good	no	yes		lean
6855	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	6	2	yes	0	1	good	yes	yes		slight lean
6856	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	10	5	yes	0	15	good	no	yes		lean
6857	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		slight lean
6858	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6859	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	7	5	2	yes	0	1	good	yes	yes		slight lean
6860	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	12	6	yes	0	25	good	no	yes		lean
6861	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	10	7	4	yes	1	6	good	no	yes		slight lean
6862	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	5	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6863	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	7	6	2	yes	0	1	good	yes	yes		slight lean
6864	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	2	1	1	yes	0	1	good	yes	yes		slight lean
6865	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	9	8	3	yes	1	6	good	yes	yes		slight lean
6866	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		slight lean
6867	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	12	6	yes	1	17	good	no	yes		lean
6868	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	12	6	yes	1	25	good	no	yes		slight lean
6875	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	7	5	yes	0	9	good	no	yes		slight lean
6876	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	9	13	4	yes	0	5	good	no	yes		lean
6877	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	7	3	yes	1	3	good	no	yes		slight lean
6878	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	10	7	3	yes	0	6	good	no	yes		slight lean
6879	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	11	5	yes	2	16	good	no	yes		slight lean
6880	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	10	10	5	yes	2	19	good	no	yes		slight lean
6881	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	10	9	4	yes	1	9	good	yes	yes		slight lean
6882	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	11	6	yes	2	21	good	no	yes		slight lean
6883	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	9	8	6	yes	1	13	good	no	yes		lean
6884	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	9	4	yes	2	7	good	no	yes		slight lean
6885	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	7	5	yes	1	12	good	no	yes		lean
6886	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	6	3	yes	0	4	good	no	yes		lean
6887	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		slight lean
6888	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		slight lean
6889	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		no
6890	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	10	11	6	yes	0	17	good	no	yes		no
6891	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	9	4	yes	0	5	good	no	yes		slight lean
6892	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
6893	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	9	6	yes	2	7	good	no	yes		slight lean
6894	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6895	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	5	4	3	yes	0	1	good	yes	yes		slight lean
6896	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	13	17	15	yes	5	100+	good	no	yes		slight lean
6897	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	11	17	12	yes	2	45	fair	no	yes		lean
6898	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	10	14	9	yes	0	50	good	no	yes		lean
6899	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	9	10	5	yes	0	8	good	no	yes		lean
6900	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	13	17	yes	0	32	good	no	yes		extreme lean
6901	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		no
6902	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	6	4	1	yes	0	1	good	no	yes		slight lean
6903	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	9	4	yes	0	5	good	no	yes		no
6904	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	12	6	yes	2	11	good	no	yes		slight lean
6905	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	9	16	20	yes	3	30	fair	no	yes		extreme lean
6906	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	10	6	yes	0	14	good	no	yes		no
6907	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	15	17	15	yes	5	100+	good	no	yes		slight lean
6908	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	13	18	10	yes	5	72	good	no	yes		lean
6909	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	8	3	yes	0	3	good	no	yes		lean
6910	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	12	19	12	yes	0	75	good	no	yes		slight lean
6911	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	12	17	10	yes	3	65	fair	no	yes		lean
6912	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	11	17	12	yes	3	70	good	no	yes		no
6913	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	8	5	yes	0	9	good	no	yes		no
6914	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	12	6	yes	1	16	good	no	yes		lean
6915	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	6	3	yes	0	1	good	no	yes		no
6916	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		no
6917	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	14	8	yes	2	33	good	no	yes		slight lean
6918	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	10	4	yes	0	5	good	no	yes		slight lean
6919	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	14	10	yes	1	38	good	no	yes		slight lean
6920	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	14	8	yes	2	19	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6921	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	14	12	yes	0	28	good	no	yes		lean
6922	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	15	10	yes	1	30	good	yes	yes		slight lean
6923	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	7	5	yes	1	12	good	yes	yes		slight lean
6924	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	6	8	yes	0	20	good	no	yes		lean
6925	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	7	4	yes	1	9	good	yes	yes		slight lean
6926	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	7	2	yes	0	4	fair	no	yes		lean
6927	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	12	7	yes	3	17	good	no	yes		lean
6928	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6929	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	7	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6930	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	9	5	yes	0	13	good	no	yes		lean
6931	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	9	6	yes	1	14	good	no	yes		lean
6932	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		lean
6933	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	9	5	yes	0	8	good	no	yes		slight lean
6934	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	12	15	12	yes	3	74	good	yes	yes		slight lean
6935	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	7	4	yes	0	9	good	no	yes		slight lean
6936	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	12	9	yes	2	35	good	no	yes		lean
6937	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	12	7	yes	3	16	good	no	yes		slight lean
6938	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	13	7	yes	4	27	good	no	yes		slight lean
6939	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	9	5	yes	2	14	good	no	yes		lean
6940	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	16	11	yes	1	19	good	no	yes		lean
6941	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	12	6	yes	0	4	good	no	yes		extreme lean
6942	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	9	2	yes	0	3	good	no	yes		slight lean
6943	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	9	2	yes	1	1	good	no	yes		slight lean
6944	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	13	7	yes	0	16	good	no	yes		extreme lean
6945	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	12	6	yes	0	16	good	no	yes		lean
6946	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	10	3	yes	0	5	good	no	yes		slight lean
6947	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	12	6	yes	0	8	fair	no	yes		lean
6948	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	12	7	yes	0	6	good	no	yes		lean
6949	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	12	2	yes	0	2	good	no	yes		lean
6950	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	8	3	yes	0	4	good	no	yes		slight lean
6951	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	13	6	yes	0	11	good	no	yes		slight lean
6952	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	8	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6953	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	6	3	2	yes	0	1	good	yes	yes		slight lean
6954	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	10	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6955	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	no	8	12	10	yes	0	20	good	no	yes		lean
6956	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6957	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	no	7	12	9	yes	2	14	good	no	yes		extreme lean
6958	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	7	13	8	yes	1	9	good	no	yes		lean
6959	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	8	6	3	yes	1	3	good	no	yes		slight lean
6960	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	8	13	6	yes	0	7	good	no	yes		lean
6961	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
6962	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	10	17	10	yes	3	45	good	no	yes		lean
6963	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
6964	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	9	8	3	yes	1	3	good	no	yes		no
6965	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	10	14	7	yes	5	33	good	no	yes		slight lean
6966	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	9	8	3	yes	0	3	good	no	yes		slight lean
6967	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	no	8	9	2	yes	0	3	good	yes	yes		slight lean
6968	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	9	18	9	yes	3	23	good	no	yes		no
6969	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	7	11	5	yes	1	8	good	no	yes		lean
6970	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	6	10	6	yes	0	8	good	no	yes		lean
6971	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	7	11	3	yes	0	6	good	no	yes		lean
6972	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
6973	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	9	10	6	yes	2	16	good	no	yes		slight lean
6974	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	9	10	3	yes	0	1	good	no	yes		slight lean
6975	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	6	5	2	yes	0	1	good	no	yes		slight lean
6976	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	8	12	6	yes	2	17	good	no	yes		extreme lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
6977	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	12	12	12	yes	4	40	fair	no	yes		extreme lean
6978	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	10	8	3	yes	0	3	fair	no	yes		slight lean
6979	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	no	10	12	5	yes	0	8	good	yes	yes		slight lean
6980	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
6981	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	no	8	7	3	yes	0	5	good	yes	yes		slight lean
6982	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		slight lean
6983	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	8	8	4	yes	1	5	good	no	yes		slight lean
6984	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	7	4	yes	1	2	good	no	yes		slight lean
6985	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	12	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
6986	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	5	2	yes	0	1	good	no	yes		slight lean
6987	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	13	12	yes	0	14	good	no	yes		lean
6988	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	5	3	yes	0	3	fair	no	yes		lean
6989	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	7	5	yes	0	9	good	no	yes		slight lean
6990	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	no	10	14	10	yes	7	38	good	no	yes		extreme lean
6991	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/21/2022	yes	yes	7	10	7	yes	0	10	good	no	yes		lean
6992	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	10	5	yes	0	5	good	no	yes		slight lean
6993	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	12	7	yes	0	10	good	no	yes		slight lean
6994	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		no
6995	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		slight lean
6996	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	10	4	yes	0	3	good	no	yes		slight lean
6997	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	10	4	yes	1	3	good	yes	yes		slight lean
6998	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	14	7	yes	2	28	good	no	yes		lean
6999	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	9	4	yes	0	3	good	no	yes		slight lean
7000	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	8	3	yes	0	3	good	no	yes		slight lean
7001	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	no	no	1	1	1	yes	0	1	good	no	yes		lean
7002	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	11	5	yes	1	12	poor	no	yes		no
7003	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	5	4	3	yes	0	4	good	no	yes		no
7004	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	7	3	yes	0	1	good	yes	yes		slight lean
7005	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	10	7	3	yes	0	1	fair	no	yes		lean
7006	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	5	3	yes	0	1	good	yes	yes		no
7007	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	5	3	2	yes	0	1	fair	no	yes		no
7008	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	9	5	yes	1	7	good	yes	yes		slight lean
7009	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	10	8	3	yes	0	1	fair	no	yes		slight lean
7010	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7011	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	13	20	25	yes	1	45	poor	no	yes		lean
7012	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	9	9	3	yes	0	1	poor	no	yes		no
7013	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	6	5	3	yes	0	1	good	yes	yes		no
7014	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7015	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7016	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7017	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	yes	6	9	9	yes	1	6	fair	no	yes		extreme lean
7018	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	13	7	yes	0	3	poor	no	yes		lean
7019	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	13	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
7020	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	8	15	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
7021	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	10	3	yes	1	3	fair	no	yes		lean
7022	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/15/2022	yes	no	7	12	7	yes	0	5	fair	no	yes		lean
7023	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	12	10	yes	0	18	fair	no	yes		lean
7024	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	12	12	yes	1	13	critical	no	yes		lean
7025	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	5	3	2	yes	0	1	fair	no	yes		slight lean
7026	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	6	5	3	yes	0	1	fair	no	yes		slight lean
7027	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	6	8	3	yes	0	1	fair	no	yes		lean
7028	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	10	14	12	yes	1	11	critical	no	yes		extreme lean
7029	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	10	10	3	yes	0	1	fair	no	yes		lean
7030	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	10	15	11	yes	1	9	fair	no	yes		lean
7031	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	8	7	yes	0	3	poor	no	yes		lean
7032	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	10	11	8	yes	1	7	fair	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7033	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	6	5	3	yes	0	1	fair	no	yes		slight lean
7034	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	6	7	3	yes	0	1	fair	no	yes		lean
7035	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	7	7	3	yes	1	3	fair	no	yes		slight lean
7036	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	12	6	yes	0	12	fair	no	yes		lean
7037	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	11	7	yes	0	10	fair	no	yes		lean
7038	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	5	3	2	yes	0	1	fair	no	yes		slight lean
7044	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	11	7	yes	0	8	poor	no	yes		lean
7045	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7046	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	9	6	5	yes	0	8	fair	no	yes		slight lean
7047	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	8	3	yes	0	1	fair	no	yes		lean
7048	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7049	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	7	5	3	yes	0	1	fair	no	yes		no
7050	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7051	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	9	18	n/a	yes	0	15	dead; moderately aged	n/a	yes		n/a
7052	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	7	16	6	yes	0	4	fair	no	yes		lean
7053	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	16	12	yes	2	37	fair	no	yes		extreme lean
7054	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	1	1	1	yes	0	1	dead; standing	n/a	yes		no
7055	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	4	4	2	yes	0	1	fair	no	yes		lean
7056	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7057	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	15	11	yes	0	20	critical	no	yes		lean
7058	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	7	11	5	yes	0	3	fair	no	yes		lean
7059	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	7	12	7	yes	1	7	fair	no	yes		lean
7060	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7061	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	10	6	yes	1	3	fair	no	yes		lean
7062	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	9	13	8	yes	4	15	poor	no	yes		lean
7063	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7064	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7065	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7066	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	7	5	3	yes	0	1	fair	no	yes		lean
7067	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	9	12	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
7068	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	13	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
7069	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	7	4	3	yes	0	1	fair	no	yes		slight lean
7070	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	4	3	yes	0	1	fair	no	yes		no
7071	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7072	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	7	10	8	yes	0	4	poor	no	yes		extreme lean
7073	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	9	10	6	yes	2	4	fair	no	yes		lean
7074	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	13	12	yes	0	10	fair	no	yes		lean
7075	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	13	10	yes	0	16	critical	no	yes		lean
7076	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	9	13	15	yes	1	28	poor	no	yes		extreme lean
7077	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	14	21	13	yes	1	17	fair	no	yes		lean
7078	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	12	5	yes	0	3	fair	no	yes		lean
7079	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	7	14	5	yes	0	5	fair	no	yes		lean
7080	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	8	4	yes	0	3	fair	no	yes		slight lean
7081	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	8	7	3	yes	0	1	good	yes	yes		no
7082	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	10	6	yes	0	5	fair	no	yes		slight lean
7083	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	15	10	yes	1	7	poor	no	yes		lean
7084	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	7	3	yes	0	3	good	no	yes		slight lean
7085	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	7	9	6	yes	1	10	good	no	yes		slight lean
7089	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	7	5	3	yes	0	1	good	yes	yes		no
7090	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	9	9	4	yes	1	3	good	no	yes		no
7091	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	13	7	yes	0	8	fair	no	yes		lean
7092	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	8	9	4	yes	1	3	good	no	yes		lean
7093	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	7	9	5	yes	0	3	fair	no	yes		lean
7094	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	7	9	4	yes	1	4	poor	no	yes		slight lean
7095	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7096	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	yes	7	10	4	yes	0	4	fair	no	yes		lean

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b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7097	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/20/2022	yes	no	13	25	15	yes	2	25	poor	no	yes		no
7098	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	6	4	3	yes	0	1	good	yes	yes		no
7099	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	10	9	6	yes	3	9	good	no	yes		lean
7100	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7101	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	11	20	n/a	yes	0	20	dead; moderately aged	n/a	yes		n/a
7102	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	15	10	yes	0	7	poor	no	yes		lean
7103	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	13	7	yes	0	6	poor	no	yes		lean
7104	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	7	15	6	yes	0	9	fair	no	yes		lean
7105	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	20	15	yes	1	15	poor	no	yes		lean
7106	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	6	14	7	yes	1	7	fair	no	yes		lean
7107	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	13	5	yes	1	5	fair	no	yes		lean
7108	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	10	12	9	yes	3	9	good	no	yes		lean
7109	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	6	3	yes	0	1	good	no	yes		no
7110	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	10	8	5	yes	0	4	good	no	yes		lean
7111	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	7	5	3	yes	0	1	good	no	yes		lean
7112	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	5	4	2	yes	0	1	fair	no	yes		lean
7113	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	8	6	3	yes	0	1	good	yes	yes		no
7114	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	10	9	4	yes	0	1	fair	no	yes		lean
7115	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	13	15	n/a	yes	0	15	dead; moderately aged	n/a	yes		n/a
7116	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	11	14	n/a	yes	0	15	dead; moderately aged	n/a	yes		n/a
7117	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	12	12	5	yes	0	3	poor	no	yes		lean
7118	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	11	13	7	yes	0	17	critical	no	yes		extreme lean
7119	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	no	3	3	2	yes	0	1	fair	no	yes		no
7120	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	5	3	yes	0	1	good	yes	yes		no
7121	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7122	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	12	7	yes	1	2	fair	no	yes		lean
7123	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	12	n/a	yes	0	7	dead; moderately aged	n/a	yes		n/a
7124	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	2	2	2	yes	0	2	fair	no	yes		no
7125	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	13	8	yes	0	15	poor	no	yes		lean
7126	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	9	3	yes	0	1	fair	no	yes		lean
7127	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	12	7	yes	0	4	fair	no	yes		no
7128	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7129	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7130	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	10	8	yes	10	3	fair	no	yes		lean
7131	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	11	9	3	yes	1	1	fair	no	yes		lean
7132	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7133	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	12	4	yes	0	3	fair	no	yes		lean
7134	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	9	3	yes	0	1	fair	no	yes		lean
7135	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7136	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	15	10	yes	0	19	fair	no	yes		lean
7137	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	5	10	7	yes	0	5	poor	no	yes		lean
7138	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7139	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	7	3	yes	0	1	fair	no	yes		lean
7140	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	12	10	yes	0	23	poor	no	yes		lean
7141	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7142	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	8	6	yes	0	4	fair	no	yes		lean
7143	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	no	no	2	2	2	yes	0	1	good	yes	yes		slight lean
7144	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	13	12	yes	0	18	poor	no	yes		lean
7145	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	11	8	yes	0	14	poor	no	yes		lean
7146	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	12	12	yes	1	21	poor	no	yes		lean
7147	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	12	7	yes	1	5	fair	no	yes		lean
7148	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	6	9	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
7149	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	7	12	10	yes	1	11	poor	no	yes		lean
7150	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	12	6	yes	2	11	poor	no	yes		lean
7151	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	10	9	yes	1	12	critical	no	yes		extreme lean
7152	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a

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CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7153	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	7	9	4	yes	1	3	fair	no	yes		lean
7155	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	15	13	yes	0	11	fair	no	yes		lean
7156	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7157	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7158	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7159	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	10	8	yes	2	3	fair	no	yes		lean
7160	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7161	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7162	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7163	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	4	8	6	yes	0	4	critical	no	yes		extreme lean
7164	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	8	6	yes	0	4	poor	no	yes		lean
7165	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	12	14	20	yes	6	40	fair	no	yes		lean
7166	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	12	10	yes	1	14	poor	no	yes		lean
7167	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7168	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	9	3	yes	0	1	good	yes	yes		slight lean
7169	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	11	16	20	yes	1	25	good	no	yes		lean
7170	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	18	12	yes	0	12	poor	no	yes		no
7171	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	7	3	yes	0	1	good	yes	yes		no
7172	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	11	12	4	yes	1	3	good	no	yes		lean
7173	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	13	5	yes	1	4	good	no	yes		lean
7174	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	15	11	yes	3	7	fair	no	yes		lean
7175	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	1	1	1	yes	0	1	good	yes	yes		slight lean
7176	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7177	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	13	7	yes	0	9	poor	no	yes		lean
7178	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	10	9	yes	0	7	poor	no	yes		extreme lean
7179	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	6	3	yes	0	1	fair	no	yes		lean
7180	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	12	10	yes	0	13	critical	no	yes		lean
7181	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7182	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	20	9	yes	1	3	fair	no	yes		lean
7183	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	12	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7184	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	4	3	2	yes	0	1	fair	no	yes		no
7185	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	15	4	yes	0	3	fair	no	yes		lean
7186	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	25	12	yes	1	5	fair	no	yes		lean
7187	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	11	10	3	yes	0	1	fair	no	yes		lean
7188	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	6	3	yes	0	1	fair	no	yes		lean
7189	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	8	3	yes	0	1	fair	no	yes		lean
7190	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	15	8	yes	0	4	fair	no	yes		lean
7191	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	13	7	yes	1	7	good	no	yes		slight lean
7192	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	6	5	yes	0	2	fair	no	yes		lean
7193	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	13	5	yes	0	7	fair	no	yes		lean
7194	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	9	3	yes	0	1	fair	no	yes		lean
7195	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	7	3	yes	0	2	fair	no	yes		lean
7196	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7197	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	9	4	yes	0	4	fair	no	yes		lean
7198	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	5	5	3	yes	0	1	fair	no	yes		lean
7199	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	10	3	yes	0	1	fair	no	yes		lean
7200	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	5	3	yes	0	1	poor	no	yes		lean
7202	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	4	3	2	yes	0	1	fair	no	yes		no
7203	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	9	4	yes	0	1	fair	no	yes		lean
7204	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	15	12	yes	0	4	poor	no	yes		extreme lean
7205	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	14	5	yes	0	3	fair	no	yes		lean
7206	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	7	13	4	yes	0	3	fair	no	yes		lean
7207	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	22	13	yes	0	36	poor	no	yes		lean
7208	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7209	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	12	4	yes	1	5	fair	no	yes		no
7210	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	14	8	yes	0	14	poor	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7211	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	18	12	yes	1	24	poor	no	yes		lean
7212	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	14	8	yes	1	9	fair	no	yes		lean
7213	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	12	7	yes	0	6	fair	no	yes		lean
7214	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	18	10	yes	0	16	poor	no	yes		lean
7215	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	13	25	30	yes	0	50	poor	no	yes		lean
7216	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	10	15	12	yes	0	7	fair	no	yes		lean
7217	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	4	4	2	yes	0	3	fair	no	yes		slight lean
7218	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	11	5	yes	0	5	fair	no	yes		lean
7219	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	12	5	yes	0	7	fair	no	yes		no
7220	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	11	6	yes	1	8	good	no	yes		no
7221	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	10	3	yes	0	1	fair	no	yes		lean
7222	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	13	10	yes	1	8	fair	no	yes		lean
7223	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	13	11	yes	2	17	fair	no	yes		lean
7224	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	11	3	yes	0	3	fair	no	yes		lean
7225	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	12	5	yes	1	12	poor	no	yes		lean
7226	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	6	2	yes	0	1	good	no	yes		lean
7227	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	6	6	2	yes	0	1	good	yes	yes		no
7228	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	18	15	yes	2	19	fair	no	yes		lean
7229	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	9	3	yes	1	5	good	no	yes		lean
7230	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7231	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	12	6	yes	0	17	good	no	yes		lean
7232	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	5	3	2	yes	0	1	good	no	yes		lean
7233	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	8	3	yes	1	3	good	no	yes		lean
7234	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7235	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	7	3	yes	0	5	good	yes	yes		no
7236	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	13	8	yes	3	17	good	no	yes		lean
7237	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	9	5	yes	0	11	fair	no	yes		lean
7238	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	14	10	yes	1	24	fair	no	yes		extreme lean
7239	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	15	10	yes	0	32	poor	no	yes		lean
7240	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	25	9	yes	0	15	fair	no	yes		slight lean
7241	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	15	3	yes	0	4	fair	no	yes		lean
7242	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	5	2	yes	0	1	good	no	yes		lean
7243	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	11	5	yes	0	3	fair	no	yes		lean
7244	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	17	14	yes	0	8	poor	no	yes		lean
7245	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	15	8	yes	0	5	good	no	yes		lean
7246	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	12	3	yes	0	1	good	no	yes		crown leanin
7247	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	5	2	yes	0	1	good	no	yes		no
7248	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	6	5	2	yes	0	1	good	yes	yes		no
7249	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	9	3	yes	0	1	fair	no	yes		lean
7250	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	10	7	yes	0	1	fair	no	yes		extreme lean
7251	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	6	3	yes	0	1	good	no	yes		slight lean
7252	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	13	4	yes	0	3	fair	no	yes		lean
7253	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	25	10	yes	0	11	fair	no	yes		lean
7254	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	18	n/a	yes	0	7	dead; moderately aged	n/a	yes		n/a
7255	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	16	10	yes	0	6	good	no	yes		lean
7256	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	12	4	yes	0	1	fair	no	yes		lean
7257	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	13	9	yes	0	11	fair	no	yes		lean
7258	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	14	8	yes	0	6	fair	no	yes		lean
7259	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	12	5	yes	0	3	fair	no	yes		lean
7260	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	10	7	yes	1	4	fair	no	yes		lean
7261	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7262	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	25	12	yes	0	11	poor	no	yes		lean
7263	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	11	9	yes	0	3	fair	no	yes		extreme lean
7264	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	5	13	6	yes	0	5	fair	no	yes		lean
7265	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	14	9	yes	0	5	fair	no	yes		lean
7266	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	11	5	yes	0	5	poor	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

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7267	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	10	7	yes	2	5	good	no	yes		lean
7268	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	15	7	yes	0	9	critical	no	yes		lean
7269	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	3	3	2	yes	0	1	critical	no	yes		lean
7270	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	12	8	yes	1	13	fair	no	yes		lean
7271	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	11	8	yes	1	5	poor	no	yes		lean
7272	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	9	4	yes	0	5	good	no	yes		lean
7273	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7274	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7275	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	10	7	yes	0	18	fair	no	yes		lean
7276	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	8	6	yes	0	4	poor	no	yes		lean
7277	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	9	3	yes	0	1	good	no	yes		lean
7278	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	3	3	3	yes	0	2	fair	no	yes		no
7279	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	17	15	yes	1	5	fair	no	yes		extreme lean
7280	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	5	4	yes	0	1	fair	no	yes		extreme lean
7281	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	6	15	3	yes	0	1	fair	no	yes		lean
7282	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	8	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
7283	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	7	4	yes	0	5	good	yes	yes		no
7284	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	10	6	yes	0	11	fair	no	yes		lean
7285	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	7	7	yes	0	8	poor	no	yes		extreme lean
7286	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	5	4	4	yes	0	1	dead; standing	n/a	yes		extreme lean
7287	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	5	4	3	yes	0	1	dead; standing	n/a	yes		extreme lean
7288	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	11	10	7	yes	2	5	good	no	yes		lean
7289	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	12	16	12	yes	4	36	good	no	yes		no
7290	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	10	8	yes	0	14	good	no	yes		slight lean
7291	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	11	7	yes	2	14	fair	no	yes		lean
7292	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	12	11	10	yes	1	26	good	yes	yes		slight lean
7293	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7294	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	12	11	11	yes	2	11	fair	no	yes		extreme lean
7295	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	9	15	15	yes	0	4	critical	no	yes		extreme lean
7298	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	10	20	15	yes	0	30	poor	no	yes		slight lean
7303	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	3	2	1	yes	0	1	fair	no	yes		lean
7304	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	4	3	3	yes	0	2	good	yes	yes		slight lean
7305	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	5	4	2	yes	0	1	good	no	yes		no
7306	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	5	4	4	yes	0	1	fair	no	yes		extreme lean
7307	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	8	9	2	yes	1	1	good	no	yes		no
7308	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	6	5	2	yes	0	1	good	no	yes		lean
7309	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7310	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	11	14	15	yes	4	50	fair	no	yes		lean
7311	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	10	12	10	yes	4	15	fair	no	yes		slight lean
7312	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	15	3	yes	0	3	fair	no	yes		slight lean
7313	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	12	3	yes	0	1	fair	no	yes		lean
7314	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	13	8	yes	1	8	fair	no	yes		lean
7315	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	17	3	yes	0	3	fair	no	yes		lean
7316	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	4	4	3	yes	0	2	good	no	yes		lean
7317	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	13	5	yes	1	9	good	no	yes		lean
7318	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	5	4	2	yes	0	1	fair	no	yes		lean
7319	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	13	5	yes	0	7	good	no	yes		lean
7320	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	11	2	yes	0	1	fair	no	yes		lean
7321	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	4	3	1	yes	0	1	fair	no	yes		no
7322	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	18	15	yes	2	20	poor	no	yes		lean
7323	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	9	12	4	yes	0	4	fair	no	yes		no
7324	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	8	12	4	yes	0	5	good	no	yes		lean
7325	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	7	12	5	yes	1	10	poor	no	yes		lean
7326	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7327	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	12	20	12	yes	3	17	fair	no	yes		lean
7328	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	12	20	15	yes	2	23	fair	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7329	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7330	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	8	13	10	yes	1	8	good	no	yes		lean
7331	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	6	6	2	yes	0	1	good	no	yes		slight lean
7332	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	11	2	yes	0	1	fair	no	yes		lean
7333	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	13	4	yes	0	5	fair	no	yes		lean
7334	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	7	3	yes	0	1	fair	no	yes		lean
7335	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	6	6	5	yes	0	1	fair	no	yes		extreme lean
7336	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	2	1	1	yes	0	1	poor	no	yes		no
7337	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7338	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	8	12	2	yes	0	3	good	yes	yes		slight lean
7339	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	12	5	yes	0	3	fair	no	yes		lean
7340	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7341	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	12	5	yes	0	5	fair	no	yes		lean
7342	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	12	4	yes	0	5	good	no	yes		lean
7343	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7344	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7345	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	9	2	yes	0	1	good	no	yes		no
7346	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	6	6	2	yes	0	1	good	no	yes		lean
7347	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7348	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	4	3	1	yes	0	1	good	yes	yes		slight lean
7349	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	18	5	yes	0	5	poor	no	yes		lean
7350	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	13	5	yes	0	4	good	no	yes		lean
7351	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	12	5	yes	0	2	fair	no	yes		lean
7352	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	9	3	yes	0	1	fair	no	yes		lean
7353	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7354	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	6	10	3	yes	0	5	fair	no	yes		lean
7355	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	5	4	2	yes	0	1	good	no	yes		lean
7356	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	11	17	13	yes	0	33	fair	no	yes		lean
7357	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	12	10	yes	0	13	fair	no	yes		lean
7358	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	10	3	yes	0	5	fair	no	yes		lean
7359	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	9	3	yes	0	10	good	no	yes		lean
7360	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	6	4	2	yes	0	1	fair	no	yes		no
7361	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	12	3	yes	0	4	fair	no	yes		lean
7362	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	15	10	yes	0	8	fair	no	yes		lean
7363	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	6	14	5	yes	0	4	fair	no	yes		lean
7364	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7365	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	9	2	yes	0	1	good	no	yes		lean
7366	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	15	8	yes	0	8	fair	no	yes		lean
7367	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	6	10	3	yes	0	3	fair	no	yes		lean
7368	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	10	8	yes	0	1	fair	no	yes		lean
7369	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	6	11	4	yes	0	2	fair	no	yes		lean
7370	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	6	7	2	yes	0	1	good	no	yes		lean
7371	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	10	3	yes	0	1	good	no	yes		lean
7372	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	6	2	yes	0	1	good	no	yes		lean
7373	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7374	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	6	10	3	yes	0	1	fair	no	yes		lean
7375	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	6	13	4	yes	0	4	fair	no	yes		lean
7376	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	6	9	2	yes	0	1	fair	no	yes		lean
7377	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	1	1	1	yes	0	1	good	yes	yes		no
7378	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7379	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	10	3	yes	0	1	poor	no	yes		lean
7380	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7381	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7382	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	4	3	2	yes	0	1	good	yes	yes		no
7383	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	8	12	6	yes	0	6	good	yes	yes		slight lean
7384	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	6	5	2	yes	0	1	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7385	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	14	7	yes	0	11	fair	no	yes		lean
7386	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7387	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	10	8	12	yes	0	12	critical	no	yes	majority of tree dead	lean
7388	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7389	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	4	4	2	yes	0	1	fair	no	yes		lean
7390	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	16	9	yes	0	13	good	no	yes		lean
7391	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	11	14	9	yes	0	12	good	no	yes		lean
7392	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	5	5	2	yes	0	1	good	no	yes		lean
7393	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	2	3	3	yes	0	2	fair	no	yes		lean
7394	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	6	2	yes	0	1	good	no	yes		lean
7395	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	8	2	yes	0	3	good	no	yes		lean
7396	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	11	20	13	yes	2	23	good	no	yes		lean
7397	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	4	3	3	yes	0	2	good	no	yes		lean
7398	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	11	13	13	yes	2	37	poor	no	yes		no
7399	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	13	8	yes	0	15	poor	no	yes		lean
7400	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	5	2	yes	0	1	good	yes	yes		no
7401	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	11	8	yes	1	7	fair	no	yes		lean
7402	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	9	25	9	yes	0	17	good	no	yes		lean
7403	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	12	25	15	yes	2	45	good	no	yes		lean
7404	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	10	20	12	yes	0	22	fair	no	yes		lean
7405	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	7	9	5	yes	0	2	fair	no	yes		lean
7406	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	7	12	3	yes	1	3	fair	no	yes		lean
7407	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	10	4	yes	0	4	good	yes	yes		slight lean
7408	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	15	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
7409	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	16	7	yes	0	11	poor	no	yes		lean
7410	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	5	10	4	yes	0	1	fair	no	yes		lean
7411	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	6	10	4	yes	0	5	fair	no	yes		no
7412	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	15	10	yes	0	16	poor	no	yes		lean
7413	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	6	9	3	yes	0	1	good	no	yes		lean
7414	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	15	8	yes	2	21	fair	no	yes		lean
7415	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	8	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7416	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	9	15	12	yes	0	20	fair	no	yes		lean
7417	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	11	12	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
7418	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	8	4	yes	2	7	fair	no	yes		lean
7419	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	10	13	10	yes	2	24	good	no	yes		no
7420	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	7	14	5	yes	1	8	good	no	yes		lean
7421	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	16	15	yes	0	23	good	no	yes		lean
7422	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	20	n/a	yes	0	11	dead; moderately aged	n/a	yes		n/a
7423	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	7	22	13	yes	1	20	fair	no	yes		lean
7424	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	7	7	4	yes	0	1	good	no	yes		lean
7425	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	7	9	3	yes	0	3	fair	no	yes		slight lean
7426	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	4	6	4	yes	0	1	fair	no	yes		lean
7427	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	12	12	yes	0	5	dead; standing	n/a	yes		extreme lean
7428	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	9	9	4	yes	0	4	good	no	yes		lean
7429	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	9	8	3	yes	0	1	good	yes	yes		slight lean
7430	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	3	3	2	yes	0	1	fair	no	yes		slight lean
7431	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	15	8	yes	2	18	good	no	yes		lean
7432	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	13	9	yes	2	18	good	yes	yes		no
7433	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	6	8	2	yes	0	1	good	no	yes		lean
7434	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	4	10	4	yes	1	6	critical	no	yes		lean
7435	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	7	6	3	yes	0	1	good	no	yes		lean
7436	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	8	10	3	yes	0	3	good	no	yes		lean
7437	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	13	8	yes	1	7	good	no	yes		lean
7438	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7439	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	7	12	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
7440	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	10	12	9	yes	0	5	fair	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7441	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		slight lean
7442	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	8	3	yes	0	1	good	yes	yes		no
7443	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	10	4	yes	0	3	good	no	yes		lean
7444	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	7	3	yes	0	1	good	no	yes		lean
7445	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	8	8	2	yes	0	3	good	no	yes		lean
7446	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	11	6	2	yes	0	1	good	no	yes		lean
7447	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	11	8	4	yes	0	3	good	no	yes		lean
7448	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	7	6	2	yes	0	1	good	no	yes		lean
7449	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	12	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
7450	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	12	7	yes	1	6	poor	no	yes		lean
7451	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	15	9	yes	0	7	fair	no	yes		lean
7452	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7453	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	7	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7454	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	6	12	n/a	yes	0	6	dead; moderately aged	n/a	yes		n/a
7455	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7456	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	4	10	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
7457	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7458	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	14	n/a	yes	0	8	dead; moderately aged	n/a	yes		n/a
7459	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	6	4	2	yes	0	1	good	yes	yes		slight lean
7460	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7461	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	10	15	12	yes	4	50	good	no	yes		lean
7462	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	9	16	8	yes	3	24	fair	no	yes		slight lean
7463	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7464	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	7	13	3	yes	0	4	good	no	yes		slight lean
7465	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	5	3	2	yes	0	1	good	no	yes		lean
7466	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7467	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	13	4	yes	0	3	good	no	yes		lean
7468	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		slight lean
7469	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	9	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7470	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7471	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	9	3	yes	0	1	good	no	yes		slight lean
7472	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	5	3	yes	0	2	good	yes	yes		no
7473	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	7	8	3	yes	1	1	good	no	yes		slight lean
7474	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	7	8	2	yes	0	1	good	no	yes		lean
7475	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	13	12	yes	0	8	fair	no	yes		extreme lean
7476	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7477	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	8	2	yes	1	1	good	no	yes		lean
7478	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	6	3	yes	0	1	good	no	yes		lean
7479	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	8	2	yes	0	1	good	no	yes		slight lean
7480	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	3	3	1	yes	0	1	good	no	yes		no
7481	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	20	6	yes	0	16	poor	no	yes		lean
7482	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	7	3	yes	0	1	good	no	yes		lean
7483	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	14	n/a	yes	0	6	dead; moderately aged	n/a	yes		n/a
7484	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	5	15	10	yes	0	13	fair	no	yes		lean
7485	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	7	3	yes	0	1	critical	no	yes		lean
7486	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	11	3	yes	0	3	good	no	yes		slight lean
7487	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	13	5	yes	0	7	fair	no	yes		lean
7488	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	14	5	yes	1	6	good	no	yes		lean
7489	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	11	5	yes	0	2	fair	no	yes		lean
7490	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	10	3	yes	0	1	good	no	yes		lean
7491	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	3	3	2	yes	0	1	good	yes	yes		no
7492	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7493	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	5	4	2	yes	0	1	dead; standing	n/a	yes		lean
7494	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	20	5	yes	0	10	critical	no	yes		slight lean
7495	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	5	4	3	yes	0	1	good	yes	yes		no
7496	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	3	3	1	yes	0	1	good	yes	yes		slight lean

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b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7497	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	10	13	12	yes	0	15	good	no	yes		slight lean
7498	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	3	2	1	yes	1	1	good	yes	yes		no
7499	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	4	2	yes	0	1	good	yes	yes		no
7500	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	7	5	yes	0	1	good	no	yes		extreme lean
7501	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	8	11	10	yes	1	8	fair	no	yes		lean
7502	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	6	6	2	yes	0	1	fair	no	yes		slight lean
7503	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/20/2022	yes	yes	6	13	n/a	yes	0	6	dead; moderately aged	n/a	yes		n/a
7504	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	12	5	yes	0	6	good	no	yes		lean
7505	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	13	13	yes	0	17	good	no	yes		extreme lean
7506	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	7	9	8	yes	0	3	good	no	yes		extreme lean
7507	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	13	12	yes	0	18	fair	no	yes		extreme lean
7508	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7509	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7510	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7511	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		no
7512	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	4	3	2	yes	0	1	good	no	yes		lean
7513	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	13	13	yes	0	27	poor	no	yes		lean
7514	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	4	1	yes	0	1	good	no	yes		slight lean
7515	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7516	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	11	n/a	yes	0	6	dead; moderately aged	n/a	yes		n/a
7517	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	10	3	yes	0	5	good	no	yes		slight lean
7518	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	12	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
7519	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	3	2	yes	0	1	good	no	yes		lean
7520	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	5	9	3	yes	0	4	good	no	yes		lean
7521	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	4	3	2	yes	0	1	good	no	yes		slight lean
7522	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	6	3	yes	0	3	poor	no	yes		lean
7523	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	9	4	yes	0	3	good	no	yes		lean
7524	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		lean
7525	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	4	yes	0	4	good	no	yes		slight lean
7526	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	11	4	yes	0	11	good	no	yes		no
7527	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	7	2	yes	0	3	good	no	yes		lean
7528	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	5	9	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
7529	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	7	8	2	yes	0	3	fair	no	yes		slight lean
7531	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	10	5	yes	0	3	good	no	yes		lean
7532	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	9	4	yes	0	4	good	no	yes		lean
7533	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	8	3	yes	0	3	good	no	yes		lean
7534	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		no
7535	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		lean
7536	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	8	3	yes	0	4	good	no	yes		lean
7537	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	4	yes	0	10	good	no	yes		slight lean
7538	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		slight lean
7539	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	8	3	yes	0	5	good	no	yes		lean
7540	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
7541	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	7	3	2	yes	0	1	good	no	yes		lean
7542	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	10	6	yes	0	14	good	no	yes		lean
7543	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	10	5	yes	0	11	good	no	yes		lean
7544	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7545	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	5	yes	0	4	good	no	yes		lean
7546	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	3	1	yes	0	1	good	no	yes		no
7547	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	4	yes	1	11	fair	no	yes		lean
7548	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		no
7549	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	7	2	yes	0	3	good	no	yes		slight lean
7550	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	10	5	yes	0	10	fair	no	yes		slight lean
7551	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
7552	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		no
7553	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	4	5	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7554	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	5	2	yes	0	1	good	yes	yes		no
7555	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	8	3	yes	1	3	good	no	yes		slight lean
7556	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	6	1	yes	0	1	good	no	yes		no
7557	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		slight lean
7558	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	5	9	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
7559	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	3	4	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7560	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	8	3	yes	0	3	good	no	yes		lean
7561	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	9	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
7562	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	4	yes	1	7	good	no	yes		lean
7563	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
7564	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	6	4	yes	0	3	dead; standing	n/a	yes		no
7565	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	8	3	yes	1	3	good	no	yes		slight lean
7566	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	7	3	yes	0	7	good	no	yes		slight lean
7567	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	n/a	yes	0	7	dead; moderately aged	n/a	yes		n/a
7568	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	5	yes	1	11	good	no	yes		slight lean
7569	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	4	yes	1	10	good	no	yes		slight lean
7570	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	12	4	yes	0	12	fair	no	yes		slight lean
7571	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	3	1	yes	0	1	good	no	yes		lean
7572	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	6	1	yes	1	1	good	no	yes		no
7573	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	5	2	yes	0	1	good	yes	yes		slight lean
7574	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	7	8	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
7575	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	10	5	yes	0	14	fair	no	yes		slight lean
7576	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	8	4	yes	0	9	good	no	yes		lean
7577	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	11	7	yes	0	16	fair	no	yes		slight lean
7578	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
7579	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	11	15	10	yes	0	20	critical	no	yes		slight lean
7580	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		slight lean
7581	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	10	8	yes	0	10	poor	no	yes		lean
7582	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	6	10	4	yes	0	9	poor	no	yes		lean
7583	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
7584	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
7585	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
7586	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	4	yes	0	9	good	no	yes		lean
7587	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
7588	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
7589	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		slight lean
7590	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	9	7	2	yes	0	3	good	no	yes		slight lean
7591	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	5	yes	0	8	good	no	yes		lean
7592	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	8	10	5	yes	0	23	good	no	yes		lean
7593	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	4	3	yes	0	1	good	no	yes		lean
7594	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	7	7	3	yes	0	3	good	no	yes		lean
7595	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	6	3	yes	0	1	good	no	yes		lean
7596	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		no
7597	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	4	3	yes	0	2	good	no	yes		lean
7598	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
7599	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	8	6	yes	0	10	good	no	yes		lean
7600	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	7	9	4	yes	0	11	good	no	yes		slight lean
7601	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		slight lean
7602	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	7	5	yes	0	9	poor	no	yes		lean
7603	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	7	9	4	yes	0	10	poor	no	yes		slight lean
7604	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	10	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
7605	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	9	4	yes	0	10	fair	no	yes		slight lean
7606	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	9	5	yes	0	10	good	no	yes		lean
7607	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	7	2	yes	0	3	good	no	yes		no
7608	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	5	2	yes	0	1	good	yes	yes		slight lean
7609	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	7	3	yes	0	4	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7610	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	9	4	yes	0	10	fair	no	yes		lean
7611	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		no
7612	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	3	1	1	yes	0	1	dead; standing	n/a	yes		lean
7613	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		no
7614	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
7615	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	9	4	yes	0	10	good	no	yes		lean
7616	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
7617	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	6	1	yes	0	1	good	no	yes		no
7618	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	3	1	1	yes	0	1	fair	no	yes		no
7619	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		slight lean
7620	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	4	1	yes	0	1	good	no	yes		slight lean
7621	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	9	3	yes	0	7	poor	no	yes		lean
7622	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	4	2	yes	0	1	good	yes	yes		slight lean
7623	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	7	3	yes	0	4	good	yes	yes		slight lean
7624	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	6	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
7625	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	4	1	1	yes	0	1	good	yes	yes		slight lean
7626	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	5	8	n/a	yes	0	7	dead; moderately aged	n/a	yes		n/a
7627	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	11	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
7628	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
7629	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
7630	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	3	2	yes	0	1	good	yes	yes		no
7631	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		slight lean
7632	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	7	3	yes	0	3	good	no	yes		lean
7633	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	3	2	yes	0	1	good	no	yes		slight lean
7634	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	3	1	yes	0	1	good	yes	yes		slight lean
7635	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	9	4	yes	0	10	poor	no	yes		lean
7636	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	5	2	1	yes	0	1	good	no	yes		extreme lean
7637	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	6	3	yes	0	7	critical	no	yes		lean
7638	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	10	8	yes	1	24	fair	no	yes		lean
7639	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		slight lean
7640	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7641	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	11	15	14	yes	4	40	poor	no	yes		lean
7642	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	13	9	yes	0	16	poor	no	yes		no
7643	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	3	3	yes	0	2	good	no	yes		no
7644	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	5	3	3	yes	0	1	good	no	yes		extreme lean
7645	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	6	2	yes	0	1	good	yes	yes		no
7646	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		slight lean
7647	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	5	2	yes	0	1	good	no	yes		no
7648	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7649	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		slight lean
7650	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	10	4	yes	0	13	good	no	yes		extreme lean
7651	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	3	1	yes	0	1	good	no	yes		lean
7652	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	10	5	yes	0	26	good	no	yes		lean
7653	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	8	3	yes	0	8	good	no	yes		no
7654	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7655	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	3	2	yes	0	1	good	no	yes		lean
7656	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	7	2	yes	0	1	good	no	yes		lean
7657	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	6	1	yes	1	1	good	yes	yes		no
7658	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	10	4	yes	0	11	fair	no	yes		slight lean
7659	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	9	4	yes	0	14	fair	no	yes		slight lean
7660	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	3	1	yes	0	1	good	no	yes		slight lean
7661	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	10	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
7662	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		slight lean
7663	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	3	4	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
7664	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
7665	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7666	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	15	n/a	yes	0	20	dead; moderately aged	n/a	yes		n/a
7667	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	11	17	13	yes	0	42	fair	no	yes		no
7668	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	12	8	yes	0	11	good	no	yes		slight lean
7669	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	12	9	yes	1	5	good	no	yes		extreme lean
7670	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	15	13	yes	3	23	good	no	yes		lean
7671	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	14	8	yes	1	17	good	no	yes		lean
7672	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	11	9	yes	0	14	good	no	yes		lean
7673	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	8	3	yes	0	6	good	no	yes		lean
7674	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	11	10	5	yes	0	8	dead; standing	n/a	yes		lean
7675	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	12	8	yes	2	20	good	no	yes		slight lean
7676	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	8	3	yes	0	5	good	yes	yes		slight lean
7677	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		no
7678	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	3	1	1	yes	0	1	good	no	yes		no
7679	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	16	11	yes	0	25	poor	no	yes		lean
7680	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7681	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	9	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
7682	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7683	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	7	5	yes	1	5	good	no	yes		no
7684	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	14	14	12	yes	1	40	fair	no	yes		lean
7685	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	5	2	yes	0	1	good	yes	yes		no
7686	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	10	6	yes	3	12	good	no	yes		lean
7687	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	9	4	yes	2	5	good	yes	yes		slight lean
7688	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	13	12	yes	1	25	fair	no	yes		extreme lean
7689	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	12	16	14	yes	3	40	poor	no	yes		lean
7690	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	3	2	1	yes	0	1	good	yes	yes		no
7691	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	13	23	19	yes	4	30	good	no	yes		slight lean
7692	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	7	2	yes	0	4	good	no	yes		slight lean
7693	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	14	8	yes	1	13	good	no	yes		lean
7694	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		no
7695	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	9	4	yes	0	6	good	no	yes		lean
7696	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	9	3	yes	0	6	good	no	yes		slight lean
7697	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		no
7698	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	8	8	yes	1	8	poor	no	yes		lean
7699	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	9	4	yes	0	6	poor	no	yes		lean
7700	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	6	2	yes	1	2	fair	no	yes		lean
7701	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7702	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	7	4	yes	0	3	fair	no	yes		lean
7703	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	6	4	yes	0	3	poor	no	yes		lean
7704	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	7	10	9	yes	0	4	poor	no	yes		extreme lean
7705	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7706	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7707	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7708	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	8	2	yes	0	1	good	yes	yes		slight lean
7709	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	6	11	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
7710	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	14	9	yes	0	25	poor	no	yes		lean
7711	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	10	9	yes	0	20	critical	no	yes		lean
7712	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	8	2	yes	0	1	good	no	yes		lean
7713	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	8	3	yes	0	2	good	no	yes		lean
7714	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	7	2	yes	0	2	good	no	yes		slight lean
7715	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	10	7	yes	0	1	fair	no	yes		extreme lean
7716	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7717	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	6	6	1	yes	0	1	good	no	yes		slight lean
7718	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	11	6	yes	0	6	good	no	yes		lean
7719	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	11	16	10	yes	0	25	fair	no	yes		lean
7720	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	6	10	5	yes	0	1	good	no	yes		extreme lean
7721	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	6	4	yes	0	2	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7722	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	10	13	7	yes	0	8	critical	no	yes		slight lean
7723	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	11	14	14	yes	0	25	poor	no	yes		lean
7724	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	5	4	yes	0	2	good	no	yes		lean
7725	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	10	9	yes	0	5	fair	no	yes		lean
7726	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	9	2	yes	0	1	good	no	yes		lean
7727	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	10	11	10	yes	0	9	poor	no	yes		lean
7728	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	12	4	yes	0	4	good	no	yes		lean
7729	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		slight lean
7730	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
7731	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	14	13	yes	0	19	good	no	yes		extreme lean
7732	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	9	8	yes	0	3	good	no	yes		extreme lean
7733	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	10	9	yes	0	11	fair	no	yes		slight lean
7734	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7735	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	8	3	yes	0	3	good	no	yes		lean
7736	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	11	20	12	yes	3	45	fair	no	yes		lean
7737	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	10	7	6	yes	2	16	good	yes	yes		slight lean
7738	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7739	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	11	14	10	yes	4	40	good	no	yes		slight lean
7740	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	9	4	yes	0	12	fair	no	yes		slight lean
7741	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	7	3	yes	1	4	good	no	yes		slight lean
7742	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	6	7	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
7743	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	8	6	2	yes	0	2	good	no	yes		lean
7744	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	5	3	2	yes	0	2	good	no	yes		lean
7745	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		no
7746	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	15	9	yes	0	11	poor	no	yes		lean
7747	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	4	2	1	yes	0	1	fair	no	yes		slight lean
7748	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		slight lean
7749	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	5	6	1	yes	0	1	good	no	yes		slight lean
7750	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	8	14	11	yes	2	15	good	yes	yes		slight lean
7751	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7752	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	6	7	2	yes	0	1	good	no	yes		slight lean
7753	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	12	3	yes	0	3	good	no	yes		slight lean
7754	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	6	12	5	yes	0	10	fair	no	yes		lean
7755	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	4	4	3	yes	0	3	good	no	yes		lean
7756	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	6	3	1	yes	0	1	good	no	yes		no
7757	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	4	2	1	yes	0	1	fair	no	yes		no
7758	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	7	13	7	yes	0	8	good	no	yes		slight lean
7759	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	7	10	3	yes	0	3	good	yes	yes		slight lean
7760	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	4	2	1	yes	0	1	dead; standing	n/a	yes		lean
7761	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	7	11	5	yes	0	13	good	no	yes		lean
7762	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	7	14	7	yes	0	9	good	no	yes		lean
7763	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	6	3	yes	0	1	good	no	yes		lean
7764	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	14	11	yes	0	19	good	no	yes		lean
7765	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	8	11	9	yes	0	7	fair	no	yes		extreme lean
7766	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	7	11	4	yes	0	7	good	yes	yes		slight lean
7767	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	6	12	n/a	yes	0	6	dead; moderately aged	n/a	yes		n/a
7768	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	13	6	yes	0	11	good	no	yes		lean
7769	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	7	9	5	yes	0	6	dead; standing	n/a	yes		lean
7770	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		lean
7771	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	4	3	1	yes	0	1	good	yes	yes		slight lean
7772	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	14	8	yes	0	16	good	no	yes		slight lean
7773	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	5	14	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
7774	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7775	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		no
7776	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	7	14	5	yes	0	9	good	no	yes		slight lean
7777	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	13	10	yes	0	14	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7778	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		slight lean
7779	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	6	13	4	yes	0	8	fair	no	yes		lean
7780	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	19	11	yes	0	22	poor	no	yes		slight lean
7781	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	6	12	5	yes	0	5	good	no	yes		lean
7782	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		lean
7783	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	5	3	1	yes	0	1	good	no	yes		no
7784	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	13	3	yes	0	4	good	no	yes		slight lean
7785	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	15	5	yes	1	12	good	no	yes		slight lean
7786	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7787	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	14	8	yes	0	8	good	no	yes		lean
7788	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		no
7789	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	9	3	yes	0	3	good	no	yes		slight lean
7790	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	5	5	2	yes	0	1	good	no	yes		slight lean
7791	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		slight lean
7792	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	7	12	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
7793	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	15	6	yes	1	19	poor	no	yes		slight lean
7794	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	7	3	yes	0	1	good	no	yes		slight lean
7795	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	4	3	yes	0	3	fair	no	yes		lean
7796	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	4	3	3	yes	0	4	good	no	yes		slight lean
7797	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	14	12	yes	1	40	good	no	yes		lean
7798	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	10	6	yes	0	8	good	no	yes		lean
7799	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	9	6	yes	1	9	fair	no	yes		lean
7800	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7801	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	5	6	2	yes	0	1	good	no	yes		lean
7802	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	10	14	n/a	yes	0	9	dead; moderately aged	n/a	yes		n/a
7803	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	12	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
7804	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	9	15	7	yes	0	24	fair	no	yes		slight lean
7805	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	9	14	7	yes	0	20	good	no	yes		extreme lean
7806	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	13	10	yes	1	24	fair	no	yes		no
7807	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	8	3	yes	0	1	good	no	yes		slight lean
7808	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	15	8	yes	0	30	good	no	yes		lean
7809	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	11	7	yes	0	8	critical	no	yes		extreme lean
7810	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	8	3	yes	0	3	good	no	yes		slight lean
7811	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	14	11	yes	0	18	good	no	yes		lean
7812	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	9	5	2	yes	0	1	good	yes	yes		no
7813	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	9	12	10	yes	0	15	poor	no	yes		lean
7814	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7815	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	6	7	2	yes	0	1	good	no	yes		slight lean
7816	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	3	5	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7817	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		no
7818	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	7	7	2	yes	0	1	good	no	yes		no
7819	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	7	7	2	yes	1	1	good	no	yes		lean
7820	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	5	5	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7821	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		slight lean
7822	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7823	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	14	12	yes	0	13	poor	no	yes		extreme lean
7824	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	7	3	3	yes	0	3	good	no	yes		lean
7825	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	5	5	1	yes	0	1	good	no	yes		lean
7826	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	5	3	1	yes	0	1	good	no	yes		no
7827	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	3	4	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7828	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7829	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7830	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	6	9	2	yes	0	1	good	yes	yes		slight lean
7831	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	4	3	1	yes	0	1	good	no	yes		no
7832	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7833	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	6	11	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7834	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	5	4	2	yes	0	1	good	yes	yes		slight lean
7835	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	9	6	2	yes	0	1	good	yes	yes		slight lean
7836	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	5	4	yes	0	2	good	yes	yes		slight lean
7837	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	8	3	yes	0	4	good	no	yes		no
7838	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	16	12	yes	4	32	good	no	yes		lean
7839	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7840	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	15	n/a	yes	0	13	dead; moderately aged	n/a	yes		n/a
7841	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	11	7	yes	0	12	good	no	yes		lean
7842	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	11	8	yes	2	14	good	no	yes		lean
7843	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	10	5	2	yes	0	1	good	no	yes		slight lean
7844	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	13	8	yes	0	11	good	no	yes		lean
7845	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	11	15	15	yes	3	45	fair	no	yes		lean
7846	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	9	7	2	yes	0	1	good	yes	yes		no
7847	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	4	2	1	yes	0	1	good	yes	yes		no
7848	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	10	9	yes	0	6	fair	no	yes		extreme lean
7849	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	9	4	yes	0	7	fair	no	yes		lean
7850	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7851	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	6	12	3	yes	0	8	fair	no	yes		lean
7852	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	5	2	2	yes	0	1	good	yes	yes		slight lean
7853	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	6	11	12	yes	0	13	fair	no	yes		extreme lean
7854	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	4	2	2	yes	0	1	good	yes	yes		no
7855	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7856	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	5	2	yes	0	1	good	yes	yes		no
7857	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		no
7858	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	7	7	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
7859	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	3	2	yes	0	1	fair	no	yes		lean
7860	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/1/2022	yes	yes	6	12	4	yes	0	3	fair	no	yes		lean
7861	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/27/2022	no	no	n/a	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
7862	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	13	14	9	yes	0	13	fair	no	no		lean
7863	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	12	6	6	yes	0	3	fair	no	no		lean
7864	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	8	5	3	yes	0	1	good	no	no		no
7865	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	8	11	4	yes	0	3	poor	no	no		lean
7866	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	10	12	4	yes	0	3	fair	no	no		no
7867	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	13	7	3	yes	0	1	fair	no	no		lean
7868	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	13	14	10	yes	0	8	poor	no	no		no
7869	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	10	12	8	yes	0	4	fair	no	no		no
7870	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	12	11	5	yes	0	6	fair	no	no		slight lean
7871	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	13	15	6	yes	0	5	fair	no	no		lean
7873	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	10	12	6	yes	0	5	poor	no	no		lean
7874	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	10	10	4	yes	0	3	good	no	no		no
7875	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	no	8	5	2	yes	0	1	poor	no	no		extreme lean
7876	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/2/2022	no	yes	10	7	3	yes	0	1	good	no	no		no
7877	western Joshua tree	<i>Yucca brevifolia</i>	on-site	5/25/2022	yes	no	9	13	8	yes	2	19	good	yes	yes		no
7879	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/22/2022	no	yes	0	2	1	no	0	1	fair	no	yes		no
7880	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/24/2022	yes	yes	8	8	3	no	0	2	good	no	yes		slight lean
7881	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	yes	yes	4	2	3	no	0	1	good	no	yes		slight lean
7882	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	6	6	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
7883	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/28/2022	no	no	8	10	n/a	no	0	n/a	dead; severely aged	n/a	yes		n/a
7884	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	no	no	1	1	1	yes	0	1	good	yes	yes		slight lean
7885	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	no	no	6	5	2	yes	0	1	good	yes	yes		slight lean
7886	western Joshua tree	<i>Yucca brevifolia</i>	on-site	3/29/2022	no	yes	5	6	3	no	0	1	good	no	yes		slight lean
7887	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	no	7	11	12	yes	0	5	fair	no	yes	large mammal burrow near base	lean
7888	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	yes	10	8	4	yes	1	4	good	no	yes		lean
7889	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
7890	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	no	7	6	2	yes	0	1	good	no	yes		lean
7891	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
7892	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	no	8	17	11	yes	0	13	poor	no	yes		lean
7893	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	yes	9	9	5	yes	0	9	good	no	yes		slight lean
7894	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	no	no	1	1	1	yes	0	1	good	yes	yes		slight lean
8001	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	20	7	yes	1	20	fair	no	yes		lean
8002	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	10	12	9	yes	2	27	good	no	yes		lean
8003	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	12	7	yes	2	24	good	no	yes		lean
8004	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	2	1	1	yes	0	1	good	yes	yes		no
8005	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	no	9	9	2	yes	0	1	good	yes	yes		slight lean
8006	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	12	15	10	yes	3	40	fair	no	yes		slight lean
8007	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	9	3	yes	0	3	good	no	yes		lean
8008	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	12	5	yes	3	5	good	yes	yes		slight lean
8009	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	10	6	yes	0	14	good	no	yes		slight lean
8010	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	11	7	yes	1	20	good	no	yes		slight lean
8011	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	11	13	10	yes	1	36	good	no	yes		slight lean
8012	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	7	5	yes	0	3	fair	no	yes		lean
8013	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	6	3	yes	0	2	good	no	yes		slight lean
8014	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8015	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	8	4	yes	0	11	good	no	yes		lean
8016	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	10	3	yes	0	8	good	no	yes		lean
8017	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	11	4	yes	0	7	good	no	yes		lean
8018	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	13	6	yes	0	7	good	yes	yes		slight lean
8019	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	6	2	yes	0	1	good	yes	yes		no
8020	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	14	10	yes	2	20	good	no	yes		lean
8021	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	8	3	yes	1	3	good	no	yes		slight lean
8022	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	15	12	yes	0	34	good	no	yes		lean
8023	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	12	6	yes	0	8	good	yes	yes		slight lean
8024	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8025	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	7	2	yes	0	1	good	no	yes		slight lean
8026	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	9	4	yes	1	4	good	no	yes		lean
8027	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	11	5	yes	1	8	good	yes	yes		slight lean
8028	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	3	1	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
8029	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	5	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
8030	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8031	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	13	13	8	yes	4	26	good	no	yes		slight lean
8032	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	15	17	14	yes	7	54	fair	no	yes		lean
8033	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	9	3	yes	1	3	good	no	yes		lean
8034	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	15	8	yes	1	24	good	no	yes		lean
8035	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	11	10	4	yes	1	3	good	no	yes		lean
8036	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	11	4	yes	9	8	good	yes	yes		slight lean
8037	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	14	10	yes	0	25	good	no	yes		lean
8038	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	9	4	yes	0	6	good	no	yes		slight lean
8039	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	9	4	yes	0	3	good	no	yes		slight lean
8040	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	13	7	yes	1	11	good	no	yes		lean
8041	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		slight lean
8042	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	5	2	yes	0	1	good	yes	yes		slight lean
8043	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	12	6	yes	0	10	good	no	yes		slight lean
8044	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8045	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	10	4	yes	1	3	good	yes	yes		slight lean
8046	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	9	2	yes	0	1	good	no	yes		slight lean
8047	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	14	12	yes	3	24	good	no	yes		lean
8048	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	9	2	yes	0	1	good	no	yes		slight lean
8049	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	12	5	yes	0	7	good	no	yes		lean
8050	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	8	4	yes	0	2	good	no	yes		slight lean
8051	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	8	3	yes	3	3	good	no	yes		slight lean
8052	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	13	8	yes	1	12	good	no	yes		lean
8053	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	7	2	yes	0	1	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
8054	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	9	10	5	yes	0	9	good	yes	yes		slight lean
8055	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	9	12	7	yes	0	13	good	no	yes		lean
8056	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	8	9	6	yes	0	6	fair	no	yes		extreme lean
8057	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	4	1	1	yes	0	1	good	no	yes		no
8058	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	9	8	3	yes	0	3	good	no	yes		lean
8059	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	9	10	6	yes	1	7	good	no	yes		slight lean
8060	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	8	8	5	yes	0	4	good	no	yes		lean
8061	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	8	8	5	yes	0	4	good	no	yes		lean
8062	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	8	11	6	yes	0	5	fair	no	yes		lean
8063	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	7	3	2	yes	0	1	good	no	yes		lean
8064	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	9	9	3	yes	0	6	good	no	yes		lean
8065	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		lean
8066	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	7	8	3	yes	1	3	good	no	yes		lean
8067	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	7	5	2	yes	0	1	good	yes	yes		no
8068	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		no
8071	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	7	11	2	yes	1	1	good	no	yes		lean
8072	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	8	8	4	yes	0	3	fair	no	yes		lean
8073	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	8	12	9	yes	0	2	good	no	yes		extreme lean
8074	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	5	3	1	yes	0	1	good	no	yes		no
8075	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	15	20	20	yes	14	70	good	no	yes		slight lean
8076	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	8	7	2	yes	0	1	good	yes	yes		slight lean
8077	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	6	4	1	yes	0	2	fair	no	yes		slight lean
8078	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	8	12	5	yes	2	5	good	no	yes		slight lean
8079	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8080	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	6	5	2	yes	0	1	good	yes	yes		slight lean
8081	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	8	9	5	yes	2	8	good	no	yes		lean
8082	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	no	8	12	10	yes	1	20	fair	no	yes		extreme lean
8083	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	11	13	10	yes	2	45	good	no	yes		extreme lean
8084	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	8	13	6	yes	1	17	good	no	yes		lean
8085	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	5	4	1	yes	0	1	good	no	yes		slight lean
8086	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	9	7	2	yes	0	1	good	no	yes		slight lean
8087	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	8	11	18	yes	0	19	poor	no	yes		extreme lean
8088	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/27/2022	yes	yes	11	16	12	yes	2	34	good	no	yes		slight lean
8089	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	6	13	5	yes	1	12	good	no	yes		lean
8090	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	11	3	yes	0	3	good	no	yes		lean
8091	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	6	5	2	yes	0	1	good	yes	yes		slight lean
8092	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		slight lean
8093	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	13	7	yes	0	25	dead; freshly fallen	n/a	yes		n/a
8094	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	13	6	yes	2	15	good	no	yes		lean
8095	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	8	15	8	yes	3	20	good	no	yes		lean
8096	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8097	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	13	3	yes	0	1	good	yes	yes		slight lean
8098	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	16	8	yes	2	17	good	no	yes		extreme lean
8099	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	19	8	yes	1	13	good	no	yes		lean
8100	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	10	13	2	yes	0	3	good	no	yes		slight lean
8101	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8102	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	9	2	yes	1	1	good	no	yes		lean
8103	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	11	7	yes	0	10	good	no	yes		crown leanin
8104	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	8	8	4	yes	1	6	good	no	yes		slight lean
8105	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	6	4	yes	0	7	good	yes	yes		slight lean
8106	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	10	10	5	yes	4	20	good	yes	yes		slight lean
8107	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		slight lean
8108	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	7	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
8109	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	16	15	12	yes	4	50	good	no	yes		no
8110	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	no	9	7	2	yes	0	1	good	yes	yes		slight lean
8111	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	9	17	8	yes	1	22	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
8112	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/27/2022	yes	yes	11	16	10	yes	2	22	good	no	yes		lean
8113	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	10	12	12	yes	6	52	fair	no	yes		extreme lean
8114	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	12	14	yes	2	50	good	no	yes		extreme lean
8115	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	13	10	yes	0	40	good	no	yes		lean
8116	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	8	3	yes	0	4	good	no	yes		slight lean
8117	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	10	10	10	yes	0	35	fair	no	yes		lean
8118	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	11	10	5	yes	0	5	good	no	yes		slight lean
8119	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	14	10	4	yes	0	4	poor	no	yes		no
8120	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	10	2	yes	0	3	good	no	yes		slight lean
8121	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	11	3	yes	0	3	good	no	yes		slight lean
8122	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	10	10	4	yes	0	3	good	no	yes		slight lean
8123	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	12	16	12	yes	0	35	fair	no	yes		extreme lean
8124	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	13	7	yes	3	17	fair	no	yes		lean
8125	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		slight lean
8126	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	12	6	yes	2	7	good	no	yes		slight lean
8127	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		no
8128	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	11	3	yes	0	3	good	no	yes		slight lean
8129	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	10	15	8	yes	3	24	good	no	yes		slight lean
8130	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		lean
8131	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	15	7	yes	2	15	good	no	yes		no
8132	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	15	9	yes	1	17	good	no	yes		slight lean
8133	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		lean
8134	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	6	3	2	yes	0	1	good	no	yes		slight lean
8135	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	8	14	5	yes	1	9	fair	no	yes		extreme lean
8136	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		lean
8137	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	10	6	2	yes	0	1	good	yes	yes		slight lean
8138	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	5	2	yes	0	1	good	no	yes		slight lean
8139	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	10	11	8	yes	2	12	fair	no	yes		extreme lean
8140	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	12	4	yes	0	3	good	no	yes		lean
8141	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	10	13	9	yes	2	8	good	no	yes		lean
8142	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	7	7	1	yes	0	1	dead; freshly fallen	n/a	yes		n/a
8143	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	9	11	3	yes	0	3	good	yes	yes		slight lean
8144	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	16	6	yes	0	9	good	no	yes		slight lean
8145	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	16	8	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
8146	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		no
8147	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	12	20	11	yes	1	15	good	no	yes		lean
8148	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		lean
8149	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	11	13	6	yes	0	9	good	no	yes		lean
8150	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	12	6	yes	0	7	good	no	yes		lean
8151	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	12	16	13	yes	6	25	good	no	yes		lean
8152	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	7	2	yes	0	1	good	no	yes		lean
8153	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	14	7	yes	1	6	good	no	yes		lean
8154	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	14	10	yes	1	8	fair	no	yes		lean
8155	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	10	20	8	yes	1	11	good	no	yes		slight lean
8156	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	11	16	7	yes	2	12	good	no	yes		lean
8157	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	7	5	yes	0	2	good	no	yes		lean
8158	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	15	5	yes	0	9	good	no	yes		slight lean
8159	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	10	9	3	yes	0	3	good	no	yes		slight lean
8160	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	5	3	yes	0	4	good	no	yes		lean
8161	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	9	5	2	yes	0	1	good	yes	yes		slight lean
8162	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	6	3	2	yes	0	1	good	yes	yes		slight lean
8163	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	12	5	yes	0	8	fair	no	yes		lean
8164	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	8	11	3	yes	0	5	good	yes	yes		slight lean
8165	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		slight lean
8166	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	8	14	6	yes	0	6	good	yes	yes		slight lean
8167	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	11	3	yes	0	4	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
8168	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		slight lean
8169	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	9	8	2	yes	0	1	good	yes	yes		slight lean
8170	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	8	5	4	yes	0	2	good	yes	yes		slight lean
8171	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	14	6	yes	1	10	good	no	yes		lean
8172	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	13	7	yes	1	9	good	no	yes		lean
8173	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	10	3	yes	0	3	good	no	yes		no
8174	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	15	9	yes	0	19	fair	no	yes		lean
8175	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	6	4	2	yes	0	1	good	no	yes		extreme lean
8176	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	16	10	yes	2	18	good	no	yes		slight lean
8177	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	7	2	yes	0	1	good	no	yes		lean
8178	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	13	8	yes	0	7	good	no	yes		lean
8179	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	10	2	yes	0	1	good	no	yes		lean
8180	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	11	3	yes	0	3	good	no	yes		slight lean
8181	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	9	6	2	yes	0	1	fair	no	yes		no
8182	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	9	5	2	yes	0	2	good	yes	yes		no
8183	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	no	9	8	6	yes	0	9	good	no	yes		lean
8184	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	14	7	yes	1	9	good	no	yes		lean
8185	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	10	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
8186	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	9	8	yes	0	5	good	no	yes		lean
8187	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	9	11	2	yes	1	3	good	no	yes		slight lean
8188	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		lean
8189	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
8190	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/29/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		lean
8191	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	13	7	yes	0	16	good	no	yes		lean
8192	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	6	11	7	yes	0	14	good	no	yes		lean
8193	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	8	14	5	yes	2	13	good	yes	yes		slight lean
8194	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
8195	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	7	12	5	yes	0	8	good	no	yes		lean
8196	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	8	6	5	yes	0	3	good	yes	yes		slight lean
8197	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	12	4	yes	1	5	good	no	yes		slight lean
8198	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	11	3	yes	0	3	good	no	yes		slight lean
8199	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	10	6	yes	0	9	good	no	yes		slight lean
8200	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	8	11	4	yes	0	5	good	yes	yes		no
8201	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	6	4	2	yes	0	1	good	yes	yes		slight lean
8202	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	8	12	5	yes	2	5	good	no	yes		lean
8203	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8204	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	10	11	11	yes	3	42	good	no	yes		no
8206	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	10	10	8	yes	4	22	good	no	yes		no
8207	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		lean
8208	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	11	7	4	yes	3	5	good	yes	yes		slight lean
8209	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	7	4	yes	0	14	good	no	yes		slight lean
8210	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	11	12	yes	4	35	good	no	yes		lean
8211	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	6	7	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
8212	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	no	10	11	8	yes	3	30	good	yes	yes		slight lean
8213	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	10	7	7	yes	2	15	fair	no	yes		lean
8214	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	10	13	6	yes	1	16	good	no	yes		slight lean
8215	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	10	12	6	yes	5	25	good	no	yes		lean
8216	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	9	8	4	yes	0	8	good	no	yes		lean
8217	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/29/2022	yes	yes	10	14	8	yes	4	18	fair	no	yes		extreme lean
8218	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	11	4	yes	0	7	good	yes	yes		slight lean
8219	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	10	8	yes	1	27	fair	no	yes		lean
8220	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	10	10	10	yes	0	28	good	no	yes		extreme lean
8221	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	8	11	4	yes	2	5	good	no	yes		lean
8222	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	10	12	6	yes	2	10	good	no	yes		slight lean
8223	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	9	8	3	yes	0	3	good	yes	yes		slight lean
8224	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	2	1	1	yes	0	1	good	yes	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
8225	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	8	13	5	yes	1	10	good	no	yes		slight lean
8226	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	8	12	3	yes	0	3	good	no	yes		slight lean
8227	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	14	6	yes	3	13	good	no	yes		no
8228	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	2	1	1	yes	0	1	good	no	yes		slight lean
8229	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	11	4	yes	0	7	good	no	yes		lean
8230	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	13	6	yes	0	14	good	yes	yes		no
8231	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	10	14	7	yes	2	15	good	no	yes		slight lean
8232	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	11	16	20	yes	2	42	fair	no	yes		lean
8233	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	16	13	yes	4	40	good	no	yes		slight lean
8234	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	6	2	1	yes	0	1	good	yes	yes		slight lean
8235	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	14	10	yes	2	21	good	no	yes		no
8236	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	8	9	3	yes	1	5	good	no	yes		no
8237	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	4	2	1	yes	0	1	good	yes	yes		slight lean
8238	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	10	6	2	yes	0	3	good	yes	yes		slight lean
8239	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	7	6	2	yes	0	3	good	no	yes		slight lean
8240	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	8	9	3	yes	1	5	good	no	yes		slight lean
8241	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	10	20	12	yes	0	29	good	no	yes		slight lean
8242	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	8	14	5	yes	2	12	good	no	yes		lean
8243	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	13	24	10	yes	4	65	good	no	yes		lean
8244	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	13	n/a	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
8245	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	13	9	yes	1	9	fair	no	yes		extreme lean
8246	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	7	2	yes	0	1	good	no	yes		slight lean
8247	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	8	11	4	yes	0	4	good	no	yes		slight lean
8248	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	11	17	10	yes	1	34	good	no	yes		slight lean
8249	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	4	3	1	yes	0	1	good	no	yes		lean
8250	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	7	3	yes	1	1	good	no	yes		slight lean
8251	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	7	10	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
8252	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	8	4	yes	0	7	good	no	yes		slight lean
8253	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	9	10	6	yes	0	9	fair	no	yes		lean
8254	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	9	7	yes	1	7	good	no	yes		lean
8255	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	10	3	yes	0	5	good	yes	yes		slight lean
8256	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		slight lean
8257	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	6	3	yes	0	1	good	no	yes		lean
8258	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	5	3	yes	0	1	good	yes	yes		slight lean
8259	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	10	13	8	yes	3	40	good	no	yes		extreme lean
8260	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	8	10	6	yes	0	12	good	no	yes		slight lean
8261	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	yes	9	11	7	yes	3	36	good	no	yes		lean
8262	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/30/2022	yes	no	8	11	10	yes	1	19	fair	no	yes		extreme lean
8263	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	9	10	12	yes	1	12	fair	no	yes		extreme lean
8264	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	11	11	10	yes	4	28	good	no	yes		slight lean
8265	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	10	12	8	yes	1	11	good	no	yes		no
8266	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	9	10	5	yes	1	5	good	no	yes		slight lean
8267	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	10	9	5	yes	0	5	good	yes	yes		no
8268	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	5	4	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
8269	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	9	11	8	yes	3	22	good	no	yes		slight lean
8270	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
8271	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		no
8272	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	9	11	8	yes	2	19	good	no	yes		slight lean
8273	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	10	5	yes	0	7	fair	no	yes		extreme lean
8274	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	9	10	5	yes	2	10	good	yes	yes		no
8275	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	8	3	yes	0	3	good	no	yes		lean
8276	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	10	12	10	yes	5	40	good	no	yes		lean
8277	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8278	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	11	7	yes	1	17	good	no	yes		extreme lean
8279	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	9	12	6	yes	2	17	good	yes	yes		no
8280	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	9	7	n/a	yes	0	2	critical	no	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
8281	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	10	13	9	yes	1	25	fair	no	yes		lean
8282	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	8	10	4	yes	2	5	good	no	yes		lean
8283	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	10	8	3	yes	1	3	good	no	yes		lean
8284	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	9	4	yes	1	5	fair	no	yes		lean
8285	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	10	15	10	yes	4	45	fair	no	yes		lean
8286	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	8	10	4	yes	1	6	good	yes	yes		slight lean
8287	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	6	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8288	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	10	12	12	yes	4	35	good	no	yes		lean
8289	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	10	12	9	yes	4	25	good	yes	yes		slight lean
8290	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	9	5	1	yes	0	1	critical	no	yes		slight lean
8291	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	9	9	8	yes	0	14	fair	no	yes		extreme lean
8292	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	9	6	7	yes	0	4	poor	no	yes		extreme lean
8293	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8294	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	9	6	4	yes	0	5	good	no	yes		slight lean
8295	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	6	4	2	yes	0	1	good	yes	yes		slight lean
8296	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	10	14	9	yes	0	21	good	no	yes		slight lean
8297	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	10	13	7	yes	0	32	fair	no	yes		lean
8298	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	9	13	11	yes	2	35	fair	no	yes		lean
8299	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	10	15	10	yes	0	30	good	no	yes		slight lean
8300	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	11	14	6	yes	0	15	fair	no	yes		lean
8303	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	no	9	11	6	yes	2	14	fair	no	yes		lean
8304	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	9	13	7	yes	1	15	good	no	yes		no
8306	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	10	5	yes	2	10	good	no	yes		slight lean
8307	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
8308	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	7	11	4	yes	2	9	good	no	yes		slight lean
8309	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	7	7	2	yes	0	1	good	no	yes		no
8310	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	12	4	yes	0	11	good	no	yes		slight lean
8311	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	5	2	1	yes	0	1	good	no	yes		no
8312	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	10	4	yes	1	8	good	no	yes		slight lean
8313	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	7	3	yes	0	4	good	no	yes		slight lean
8314	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	9	4	yes	0	5	good	no	yes		slight lean
8315	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	7	9	3	yes	0	3	good	no	yes		slight lean
8316	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	6	7	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
8317	western Joshua tree	<i>Yucca brevifolia</i>	off-site	6/30/2022	yes	yes	8	10	5	yes	1	9	good	no	yes		no
8325	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	8	5	yes	0	5	fair	no	yes		lean
8326	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		no
8327	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	9	3	yes	0	3	good	no	yes		slight lean
8328	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	9	3	yes	0	4	good	no	yes		slight lean
8329	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	8	11	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
8330	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	6	2	yes	0	1	good	no	yes		slight lean
8331	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	6	5	2	yes	0	1	good	no	yes		no
8332	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	11	3	yes	1	3	good	no	yes		slight lean
8333	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	7	3	yes	0	3	good	no	yes		lean
8334	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	13	5	yes	2	5	good	no	yes		lean
8337	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	10	5	yes	0	9	good	no	yes		slight lean
8338	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	11	4	yes	0	6	good	no	yes		slight lean
8339	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	9	11	6	yes	0	12	good	no	yes		lean
8340	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	12	6	yes	2	11	good	no	yes		lean
8341	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	12	4	yes	0	5	good	no	yes		lean
8342	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	13	4	yes	0	9	good	no	yes		lean
8343	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	7	8	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
8344	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	12	4	yes	0	8	good	no	yes		no
8345	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
8346	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	7	7	2	yes	0	1	good	no	yes		no
8347	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	7	13	5	yes	1	16	good	no	yes		slight lean
8348	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	11	3	yes	0	5	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
8349	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		no
8350	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	8	12	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
8351	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	9	16	9	yes	1	17	good	no	yes		slight lean
8352	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	9	3	yes	0	6	good	no	yes		lean
8353	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	9	10	3	yes	0	7	good	no	yes		slight lean
8354	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	9	10	3	yes	0	5	good	no	yes		lean
8355	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		no
8356	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	7	2	yes	0	4	good	no	yes		lean
8357	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	9	8	4	yes	0	5	good	no	yes		no
8358	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	7	10	3	yes	0	3	good	no	yes		lean
8359	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	7	9	1	yes	0	1	dead; freshly fallen	n/a	yes		n/a
8360	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	9	2	yes	0	3	good	no	yes		slight lean
8361	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	9	13	6	yes	1	15	good	no	yes		lean
8362	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	9	2	yes	1	3	good	no	yes		no
8363	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8364	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		slight lean
8365	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	10	11	8	yes	2	34	good	no	yes		lean
8366	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	6	5	2	yes	0	1	good	yes	yes		no
8367	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		no
8368	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	8	14	6	yes	0	9	good	no	yes		lean
8369	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	9	6	3	yes	0	2	good	no	yes		lean
8370	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	6	10	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
8371	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	9	11	3	yes	0	5	good	no	yes		no
8372	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	10	11	4	yes	0	3	good	yes	yes		slight lean
8373	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	9	11	4	yes	0	3	good	no	yes		lean
8374	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		no
8375	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	yes	7	5	2	yes	0	1	good	no	yes		lean
8376	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	7	8	3	yes	0	8	fair	no	yes		extreme lean
8377	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	8	11	6	yes	0	8	good	yes	yes		slight lean
8378	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/1/2022	yes	no	8	14	6	yes	0	9	good	yes	yes		slight lean
8379	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	9	7	3	yes	0	6	good	no	yes		no
8380	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		no
8381	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	9	8	2	yes	0	1	good	no	yes		lean
8382	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
8383	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	4	2	1	yes	0	1	good	yes	yes		no
8384	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	9	15	8	yes	0	32	fair	no	yes		slight lean
8385	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	11	n/a	yes	0	n/a	dead; moderately aged	n/a	yes		n/a
8386	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	9	10	10	yes	0	23	good	no	yes		extreme lean
8387	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	9	13	11	yes	1	23	fair	no	yes		extreme lean
8388	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	7	3	yes	0	5	good	yes	yes		slight lean
8389	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	7	3	yes	0	5	good	yes	yes		slight lean
8390	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	9	6	2	yes	1	1	good	yes	yes		slight lean
8391	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	8	5	yes	0	8	fair	no	yes		extreme lean
8392	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	5	2	yes	0	1	good	yes	yes		slight lean
8393	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	10	17	10	yes	1	28	good	no	yes		no
8394	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	10	14	6	yes	2	15	good	no	yes		slight lean
8395	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	10	14	7	yes	0	15	good	no	yes		lean
8396	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	9	16	10	yes	2	17	good	no	yes		slight lean
8397	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	10	8	4	yes	0	3	good	no	yes		slight lean
8398	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8399	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	9	9	3	yes	1	4	good	yes	yes		slight lean
8400	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	10	14	7	yes	0	15	dead; freshly fallen	n/a	yes		n/a
8401	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		no
8402	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	14	4	yes	0	5	good	no	yes		lean
8403	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	9	16	7	yes	0	17	good	no	yes		slight lean
8404	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	18	8	yes	2	19	good	no	yes		slight lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
8405	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	9	10	3	yes	0	1	good	no	yes		slight lean
8406	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	6	4	2	yes	0	1	good	no	yes		slight lean
8407	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	9	9	2	yes	0	1	good	no	yes		no
8408	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	7	8	1	yes	0	1	good	no	yes		slight lean
8409	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	4	2	1	yes	0	1	good	no	yes		slight lean
8410	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	7	11	3	yes	0	4	good	no	yes		lean
8411	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	6	9	1	yes	0	1	good	no	yes		slight lean
8412	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	7	6	2	yes	0	1	good	no	yes		slight lean
8413	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	13	10	yes	2	17	good	no	yes		lean
8414	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	9	6	2	yes	0	1	good	no	yes		lean
8415	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	5	3	2	yes	0	1	good	no	yes		slight lean
8416	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	13	10	yes	1	11	fair	no	yes		lean
8417	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	5	2	yes	0	1	good	no	yes		slight lean
8418	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	8	9	1	yes	0	3	poor	no	yes		no
8419	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	12	6	yes	0	12	good	no	yes		lean
8420	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	8	9	3	yes	1	3	good	no	yes		slight lean
8421	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	yes	7	8	2	yes	1	7	good	no	yes		lean
8422	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/1/2022	yes	no	9	9	2	yes	0	1	good	yes	yes		no
8423	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	12	6	yes	0	5	good	no	yes		slight lean
8424	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	9	2	yes	1	1	good	no	yes		slight lean
8425	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	11	9	4	yes	1	4	good	no	yes		slight lean
8426	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	10	4	yes	1	3	good	no	yes		lean
8427	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	10	5	yes	2	7	good	no	yes		lean
8428	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	6	8	8	yes	1	7	fair	no	yes		extreme lean
8429	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	6	3	1	yes	0	1	good	yes	yes		slight lean
8430	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	11	6	yes	2	12	good	yes	yes		slight lean
8431	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	10	8	yes	1	15	poor	no	yes		extreme lean
8432	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	2	1	yes	0	1	good	yes	yes		slight lean
8433	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	7	7	2	yes	0	1	good	no	yes		slight lean
8434	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	12	13	12	yes	2	38	fair	no	yes		lean
8435	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8436	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	7	10	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
8437	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	13	7	yes	0	10	good	no	yes		slight lean
8438	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	4	1	yes	0	1	good	no	yes		slight lean
8439	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	16	8	yes	1	21	good	no	yes		lean
8440	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		no
8441	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	15	8	yes	0	14	good	no	yes		lean
8442	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	16	7	yes	2	16	good	no	yes		lean
8443	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	4	2	yes	0	1	good	yes	yes		no
8444	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	10	n/a	yes	0	8	dead; moderately aged	n/a	yes		n/a
8445	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	9	3	yes	1	4	good	no	yes		slight lean
8446	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	8	4	yes	0	4	good	yes	yes		slight lean
8447	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	10	8	3	yes	0	4	good	no	yes		slight lean
8448	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	10	13	12	yes	3	40	good	no	yes		slight lean
8449	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	14	n/a	yes	0	8	dead; moderately aged	n/a	yes		n/a
8450	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	14	6	yes	0	11	good	yes	yes		slight lean
8451	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	10	6	yes	1	8	good	no	yes		lean
8452	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	10	5	yes	0	9	good	no	yes		lean
8453	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	11	6	yes	0	8	good	no	yes		slight lean
8454	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	16	10	yes	0	44	good	no	yes		slight lean
8455	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	12	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
8456	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	11	17	11	yes	2	70	good	no	yes		lean
8457	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	15	8	yes	2	20	good	no	yes		extreme lean
8458	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	7	12	12	yes	0	10	fair	no	yes		lean
8459	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	10	18	14	yes	3	60	good	no	yes		slight lean
8460	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	10	2	yes	0	1	good	no	yes		lean

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
8461	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	16	10	yes	0	40	fair	no	yes		extreme lean
8462	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	10	10	6	yes	0	8	fair	no	yes		lean
8463	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	5	1	yes	0	1	good	yes	yes		no
8464	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	4	2	yes	0	1	good	no	yes		lean
8465	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	11	7	yes	0	8	good	no	yes		lean
8466	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	7	5	yes	0	7	fair	no	yes		extreme lean
8467	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	10	8	yes	0	20	fair	no	yes		lean
8468	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	7	4	yes	1	7	good	no	yes		lean
8469	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	1	1	yes	0	1	good	yes	yes		slight lean
8470	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	8	7	yes	0	8	good	no	yes		lean
8471	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	7	4	2	yes	0	1	good	no	yes		lean
8472	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	13	11	yes	0	40	good	no	yes		lean
8473	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	6	2	yes	0	1	good	yes	yes		slight lean
8474	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	5	4	2	yes	0	1	good	yes	yes		no
8475	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	6	3	yes	0	2	good	no	yes		slight lean
8476	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	10	12	n/a	yes	0	8	dead; moderately aged	n/a	yes		n/a
8477	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	11	6	yes	0	11	good	no	yes		slight lean
8478	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	5	5	yes	0	7	poor	no	yes		extreme lean
8479	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	8	3	yes	0	4	good	yes	yes		slight lean
8480	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	8	3	yes	0	4	good	yes	yes		slight lean
8481	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	7	5	yes	0	8	good	yes	yes		no
8482	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	5	2	yes	0	1	good	no	yes		slight lean
8483	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	6	5	yes	3	4	good	no	yes		lean
8484	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	6	5	yes	0	2	good	no	yes		slight lean
8485	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	4	2	yes	0	2	good	no	yes		slight lean
8486	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8487	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	6	2	yes	0	2	good	no	yes		slight lean
8488	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	7	4	2	yes	0	1	good	no	yes		slight lean
8489	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	8	5	yes	0	8	good	yes	yes		slight lean
8490	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	10	14	8	yes	2	34	good	no	yes		lean
8491	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	8	6	yes	1	15	good	no	yes		lean
8492	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	6	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
8493	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	10	10	4	yes	0	7	dead; freshly fallen	n/a	yes		n/a
8494	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	10	11	9	yes	2	32	good	no	yes		lean
8495	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	8	3	yes	0	4	good	no	yes		slight lean
8496	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		no
8497	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	6	6	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
8498	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	14	18	15	yes	5	100+	good	no	yes		slight lean
8499	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	7	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
8500	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
8530	western Joshua tree	<i>Yucca brevifolia</i>	on-site	6/21/2022	yes	yes	8	4	1	yes	0	1	good	no	yes		slight lean
9001	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	5	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
9002	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	5	3	2	yes	0	1	good	no	yes		lean
9003	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	10	11	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
9004	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	5	2	yes	0	1	good	no	yes		slight lean
9005	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	8	n/a	yes	0	5	dead; moderately aged	n/a	yes		n/a
9006	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	yes	8	10	n/a	yes	0	8	dead; moderately aged	n/a	yes		n/a
9007	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	yes	6	6	n/a	yes	0	7	dead; moderately aged	n/a	yes		n/a
9008	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	no	6	7	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
9009	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	no	9	12	7	yes	0	17	good	yes	yes		slight lean
9301	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9302	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	4	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
9303	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	5	13	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
9304	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	10	18	12	yes	0	25	good	no	yes		no
9305	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9306	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	4	1	yes	0	2	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
9307	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9308	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	10	14	7	yes	0	15	good	no	yes		lean
9309	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9310	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	13	n/a	yes	0	11	dead; moderately aged	n/a	yes		n/a
9311	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		no
9312	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	4	3	2	yes	0	1	good	no	yes		slight lean
9313	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	6	12	n/a	yes	0	4	dead; moderately aged	n/a	yes		n/a
9314	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		lean
9315	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9316	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	13	13	yes	1	7	good	no	yes		extreme lean
9317	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	11	8	yes	0	8	good	no	yes		lean
9318	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	4	4	2	yes	0	1	good	no	yes		slight lean
9319	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	9	11	6	yes	0	6	good	yes	yes		slight lean
9320	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	8	2	yes	0	1	good	no	yes		lean
9321	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	8	2	yes	0	1	good	no	yes		lean
9322	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	7	8	3	yes	0	3	good	no	yes		lean
9323	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	13	n/a	yes	0	10	dead; moderately aged	n/a	yes		n/a
9324	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9325	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	16	n/a	yes	0	12	dead; moderately aged	n/a	yes		n/a
9326	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	5	5	3	yes	0	1	good	no	yes		crown lean
9327	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	14	11	yes	3	25	good	no	yes		extreme lean
9328	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	4	2	yes	0	1	good	no	yes		lean
9329	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9330	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9331	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9332	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	14	12	yes	3	11	fair	no	yes		extreme lean
9333	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	13	6	yes	0	7	good	no	yes		slight lean
9334	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	12	3	yes	1	3	fair	no	yes		no
9335	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	6	12	n/a	yes	0	3	dead; moderately aged	n/a	yes		n/a
9336	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	7	9	3	yes	0	1	good	no	yes		slight lean
9337	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	3	6	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
9338	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9339	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	6	2	yes	0	1	good	no	yes		no
9340	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	14	3	yes	0	4	good	no	yes		slight lean
9341	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	13	3	yes	0	1	good	no	yes		slight lean
9342	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	14	5	yes	1	8	good	no	yes		slight lean
9343	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	7	6	3	yes	0	2	good	no	yes		slight lean
9344	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	9	11	5	yes	0	5	good	no	yes		slight lean
9345	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	6	6	4	yes	0	3	good	yes	yes		slight lean
9346	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9347	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9348	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9349	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9350	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9351	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	4	3	yes	0	2	good	yes	yes		slight lean
9352	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	2	1	yes	0	1	good	yes	yes		no
9353	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9354	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9355	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9356	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	5	4	3	yes	0	2	good	no	yes		lean
9357	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	8	9	4	yes	1	6	fair	no	yes		slight lean
9358	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9359	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9360	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	6	6	3	yes	0	4	fair	no	yes		lean
9361	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9362	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	3	2	1	yes	0	1	good	yes	yes		no

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

Tree Tag ID	Common Name	Species	On-Site/ Off-Site	Date	Tree Tagged	Clonal	DBH	Height (ft)	Spread ^a (ft)	Flowering	No. of Panicles	No. of Branches	Health ^b	Transplantation	Photo Taken	Notes	Lean
9363	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	8	16	n/a	yes	0	20	dead; moderately aged	n/a	yes		n/a
9364	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9365	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	8	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
9366	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	4	7	4	yes	0	1	good	no	yes		lean
9367	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	yes	6	7	3	yes	0	1	good	no	yes		lean
9368	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	12	18	18	yes	0	25	fair	no	yes		extreme lean
9369	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/6/2022	yes	no	5	3	2	yes	0	1	good	yes	yes		slight lean
9370	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	yes	5	9	6	yes	0	3	good	no	yes		lean
9371	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9372	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		no
9373	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	no	2	2	1	yes	0	1	good	yes	yes		no
9374	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	no	n/a	n/a	n/a	yes	0	n/a	dead; severely aged	n/a	yes		n/a
9375	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	no	3	1	1	yes	0	1	good	yes	yes		no
9376	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	no	7	8	n/a	yes	0	1	dead; moderately aged	n/a	yes		n/a
9377	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	no	4	6	2	yes	0	1	good	yes	yes		no
9378	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	no	5	3	n/a	yes	0	2	dead; moderately aged	n/a	yes		n/a
9379	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	yes	9	14	9	yes	1	25	fair	no	yes		lean
9380	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	no	3	3	1	yes	0	1	good	yes	yes		no
9382	western Joshua tree	<i>Yucca brevifolia</i>	on-site	7/7/2022	yes	no	5	10	n/a	yes	0	7	dead; moderately aged	n/a	yes		n/a
9420	western Joshua tree	<i>Yucca brevifolia</i>	off-site	7/7/2022	yes	no	7	5	2	yes	0	2	fair	no	yes		extreme lean

DBH: diameter at breast height; ft: feet
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b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

[illegible]

DBH: diameter at breast height; ft: feet

a Spread refers to the width of the crown of the tree at the widest point.

b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

[illegible]

DBH: diameter at breast height; ft: feet

a Spread refers to the width of the crown of the tree at the widest point.

b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
n/a	0	0
flowering	0	0
n/a	0	0
flowering	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
flowering	0	0
n/a	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
flowering	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
flowering	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

[illegible]

DBH: diameter at breast height; ft: feet

a Spread refers to the width of the crown of the tree at the widest point.

b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
flowering	0	0
n/a	0	0
n/a	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
n/a	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

	Phenology	Clonal Trunks (living)	Dead Trees in Colony
	vegetative	0	0
	vegetative	0	0
	flowering	0	0
	n/a	0	0
	vegetative	0	0
	flowering	0	0
	vegetative	0	0
	flowering	0	0
	flowering	0	0
	flowering	0	0
	n/a	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	n/a	0	0
	flowering	0	0
	flowering	0	0
	vegetative	0	0
	n/a	0	0
	vegetative	0	0
	n/a	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	flowering	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	flowering	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	n/a	0	0
	n/a	0	0
	n/a	0	0
	n/a	0	0
	flowering	0	0
	flowering	0	0
	n/a	0	0
	flowering	0	0
	vegetative	0	0
	vegetative	0	0
	n/a	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	flowering	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0
	vegetative	0	0

DBH: diameter at breast height; ft: feet

a Spread refers to the width of the crown of the tree at the widest point.

b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
flowering	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
fruiting	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
fruiting	0	0
fruiting	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
n/a	0	0
flowering	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Antelope Valley Commerce Center Project

[illegible]

DBH: diameter at breast height; ft: feet

a Spread refers to the width of the crown of the tree at the widest point.

b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
fruiting	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
n/a	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
fruiting	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
flowering	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
Fruiting	4	0
n/a	1	0
Fruiting	1	0
n/a	1	0
n/a	1	0
Fruiting	3	0
Fruiting	2	1
n/a	1	0
flowering	2	4
n/a	1	0
n/a	1	0
flowering	5	2
flowering	1	0
n/a	1	0
flowering	1	0

DBH: diameter at breast height; ft: feet
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CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
Fruiting	2	0
Fruiting	2	3
Fruiting	7	1
flowering	1	1
flowering	1	1
flowering	1	0
flowering	1	0
Fruiting	5	1
Fruiting	1	0
flowering	1	0
flowering	5	0
flowering	1	0
flowering	1	1
flowering	1	1
Fruiting	3	1
Fruiting	1	0
Fruiting	1	0
flowering	1	0
Fruiting	5	0
Fruiting	1	1
Fruiting	3	0
Fruiting	1	1
Fruiting	2	2
Fruiting	8	0
flowering	1	3
Fruiting	2	0
Fruiting	1	2
n/a	1	3
Fruiting	3	2
n/a	1	0
flowering	1	1
Fruiting	1	4
n/a	1	1
Fruiting	1	1
n/a	1	0
flowering	1	0
Fruiting	1	0
flowering	1	0
flowering	3	0
Fruiting	3	1
flowering	1	0
fruiting	3	0
flowering	1	1
n/a	1	0
fruiting	4	1
flowering	5	1
n/a	1	99
flowering	5	1
flowering	1	0
n/a	1	99
flowering	5	2
flowering	1	2
flowering	3	2
n/a	2	99
n/a	1	99
n/a	1	99

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	99
n/a	1	99
n/a	1	99
flowering	3	3
flowering	3	1
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
flowering	1	0
fruiting	2	2
n/a	1	0
n/a	1	0
n/a	1	0
flowering	1	0
fruiting	1	0
n/a	1	1
flowering	1	1
flowering	1	2
n/a	1	0
flowering	1	0
n/a	1	0
flowering	1	1
flowering	1	1
flowering	1	0
flowering	1	1
flowering	0	0
n/a	1	0
fruiting	2	1
n/a	1	0
flowering	1	1
n/a	1	0
flowering	1	1
vegetative	11	0
n/a	1	0
flowering	1	1
n/a	1	0
fruiting	4	0
flowering	2	1
n/a	1	0
n/a	1	0
vegetative	2	0
flowering	1	2
flowering	1	1
n/a	1	0
n/a	1	0
flowering	1	0
n/a	1	0
n/a	1	0
flowering	3	1
n/a	1	0
n/a	1	0
flowering	1	0
flowering	1	0
flowering	1	1
n/a	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	1
flowering	1	1
n/a	1	0
n/a	1	0
flowering	1	0
flowering	1	1
n/a	1	0
n/a	1	0
fruiting	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	1
n/a	1	0
flowering	1	1
n/a	1	0
n/a	1	2
n/a	1	1
n/a	1	1
flowering	1	0
n/a	2	0
n/a	1	1
flowering	6	2
n/a	1	0
n/a	2	0
flowering	2	0
flowering	2	2
flowering	1	1
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	1
n/a	1	1
n/a	1	0
flowering	2	4
n/a	2	0
n/a	1	0
n/a	1	1
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	2	0
n/a	1	1
fruiting	3	2
flowering	1	0
flowering	1	0
flowering	2	0
flowering	1	0
flowering	2	0
n/a	1	0
flowering	2	1
flowering	1	0
flowering	4	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	1	1
fruiting	1	2
flowering	1	1
n/a	2	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	4	0
flowering	3	2
n/a	1	2
n/a	1	0
flowering	2	0
flowering	2	1
fruiting	2	0
flowering	1	0
flowering	1	1
flowering	1	0
flowering	2	0
flowering	3	1
flowering	2	1
flowering	1	0
flowering	2	0
flowering	2	0
flowering	2	0
flowering	1	0
flowering	1	0
n/a	1	0
flowering	2	0
flowering	3	0
flowering	1	0
flowering	3	1
flowering	2	0
flowering	2	0
fruiting	1	0
n/a	0	0
fruiting	0	0
n/a	1	0
fruiting	3	2
n/a	1	0
n/a	1	0
flowering	1	3
flowering	2	0
flowering	1	2
vegetative	5	0
n/a	1	0
flowering	3	1
flowering	2	0
flowering	1	0
n/a	1	0
flowering	5	1
n/a	1	0
fruiting	1	1
n/a	1	0
n/a	1	0
n/a	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	3	1
n/a	1	0
n/a	1	1
flowering	1	2
fruiting	1	0
flowering	4	1
flowering	1	0
fruiting	1	0
flowering	2	0
flowering	1	2
flowering	3	1
flowering	2	0
n/a	1	0
n/a	1	0
fruiting	1	1
n/a	1	0
flowering	2	1
fruiting	4	0
flowering	2	0
flowering	1	0
flowering	1	0
fruiting	1	0
flowering	1	2
flowering	3	1
flowering	1	1
flowering	4	1
flowering	2	1
n/a	1	0
fruiting	1	4
n/a	1	1
n/a	2	0
fruiting	1	1
n/a	1	0
flowering	2	0
flowering	3	0
flowering	2	0
flowering	2	2
flowering	1	4
fruiting	3	0
n/a	5	0
flowering	2	0
n/a	2	7
flowering	1	0
flowering	1	0
n/a	7	0
flowering	1	0
n/a	6	0
n/a	2	0
n/a	2	1
n/a	2	0
flowering	3	0
flowering	2	0
fruiting	2	0
n/a	1	0
flowering	2	1
flowering	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
n/a	4	0
flowering	2	3
vegetative	1	2
n/a	2	4
n/a	1	0
n/a	1	0
flowering	4	2
n/a	1	1
n/a	2	3
flowering	1	0
n/a	1	2
flowering	1	1
flowering	1	0
flowering	4	0
flowering	3	3
flowering	2	0
flowering	1	0
flowering	3	0
fruiting	3	0
n/a	1	0
flowering	1	0
flowering	8	0
flowering	7	0
flowering	2	0
flowering	2	4
flowering	2	0
n/a	1	0
n/a	4	2
flowering	3	0
n/a	1	0
flowering	1	0
flowering	4	0
flowering	1	0
fruiting	3	0
flowering	1	0
n/a	1	0
n/a	1	3
n/a	1	0
n/a	2	0
n/a	1	0
flowering	1	2
flowering	3	0
flowering	1	1
flowering	1	0
flowering	2	1
n/a	1	1
n/a	1	0
fruiting	1	1
n/a	1	0
fruiting	1	2
fruiting	2	0
n/a	2	0
flowering	2	1
flowering	1	0
flowering	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
flowering	5	1
flowering	1	0
fruiting	5	1
vegetative	3	1
vegetative	1	1
vegetative	1	0
n/a	1	0
vegetative	2	0
fruiting	1	1
fruiting	3	1
fruiting	1	0
flowering	3	0
vegetative	1	0
fruiting	2	0
n/a	2	0
vegetative	1	0
fruiting	1	1
n/a	1	0
flowering	2	1
flowering	1	1
vegetative	2	0
fruiting	1	1
fruiting	2	1
vegetative	1	1
n/a	1	0
vegetative	2	1
vegetative	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	1	1
fruiting	2	0
vegetative	1	1
fruiting	2	1
n/a	0	1
n/a	0	1
vegetative	1	0
vegetative	1	2
vegetative	1	0
vegetative	2	0
n/a	1	1
vegetative	3	2
vegetative	2	1
vegetative	8	1
fruiting	2	1
fruiting	5	1
vegetative	1	0
vegetative	2	0
n/a	1	2
n/a	1	0
vegetative	2	0
vegetative	3	0
flowering	2	2
flowering	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	3	0
n/a	1	0
n/a	1	0
flowering	12	1
n/a	2	0
vegetative	3	2
vegetative	2	0
vegetative	2	1
n/a	1	1
vegetative	11	4
vegetative	1	0
vegetative	2	2
vegetative	6	0
n/a	1	0
vegetative	3	1
n/a	1	0
n/a	3	0
fruiting	1	5
vegetative	2	2
n/a	1	0
n/a	1	0
vegetative	3	1
vegetative	3	1
flowering	6	1
vegetative	1	2
vegetative	2	0
vegetative	2	0
vegetative	3	1
flowering	11	2
vegetative	1	0
fruiting	2	2
flowering	2	1
vegetative	1	0
fruiting	3	0
vegetative	2	1
fruiting	2	1
fruiting	3	5
vegetative	1	0
fruiting	1	0
n/a	1	0
vegetative	1	0
fruiting	4	0
vegetative	8	1
vegetative	1	0
vegetative	1	2
fruiting	3	3
vegetative	1	1
n/a	1	0
vegetative	5	0
vegetative	1	0
n/a	1	0
n/a	1	0
n/a	0	1
vegetative	5	2
vegetative	1	0
vegetative	1	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	5
vegetative	1	0
vegetative	3	3
n/a	1	0
vegetative	2	2
fruiting	1	0
vegetative	3	2
fruiting	4	0
vegetative	1	0
vegetative	3	1
fruiting	4	0
vegetative	3	1
n/a	1	0
vegetative	1	1
fruiting	1	0
n/a	1	0
vegetative	2	1
vegetative	3	1
vegetative	4	1
vegetative	3	0
fruiting	6	1
vegetative	3	0
vegetative	2	2
vegetative	1	0
n/a	3	0
vegetative	1	0
fruiting	4	3
vegetative	3	2
n/a	1	0
n/a	1	0
vegetative	10	2
n/a	1	0
vegetative	2	0
fruiting	5	1
fruiting	5	1
vegetative	2	0
vegetative	1	0
vegetative	2	0
vegetative	2	0
vegetative	4	1
n/a	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
vegetative	6	0
vegetative	12	3
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
fruiting	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
fruiting	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
fruiting	0	0
n/a	0	0
fruiting	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
fruiting	0	0
n/a	0	0
n/a	0	0
flowering	0	0
n/a	0	0
vegetative	0	0
fruiting	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
n/a	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
flowering	0	0
n/a	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
flowering	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
fruiting	0	0
n/a	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
fruiting	0	0
fruiting	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
fruiting	0	0
fruiting	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
fruiting	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	0	0
n/a	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
fruiting	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
fruiting	0	0
fruiting	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
fruiting	0	0
vegetative	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	0	0
fruiting	0	0
fruiting	0	0
fruiting	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
n/a	0	0
vegetative	0	0
vegetative	0	0
fruiting	0	0
flowering	1	0
fruiting	3	0
n/a	1	99
fruiting	2	1
flowering	2	0
flowering	1	1
n/a	1	99
flowering	1	1
flowering	1	0
n/a	1	99
n/a	1	0
flowering	1	0
n/a	1	99
fruiting	3	0
flowering	1	1
flowering	1	1
flowering	1	2
n/a	2	99
flowering	1	1
n/a	1	0
flowering	1	3
fruiting	3	0
flowering	1	0
flowering	0	0
flowering	1	0
flowering	1	0
fruiting	1	0
flowering	1	0
flowering	1	1
flowering	1	0
fruiting	1	1
flowering	1	0
vegetative	2	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
fruiting	1	0
n/a	1	1
flowering	1	0
vegetative	3	0
flowering	2	0
flowering	1	0
fruiting	1	0
n/a	1	1
n/a	1	0
n/a	1	0
flowering	1	0
fruiting	4	1
fruiting	3	3
flowering	2	1
fruiting	5	7
fruiting	2	0
fruit droppin	3	0
flowering	3	0
flowering	2	4
flowering	2	0
fruiting	4	1
flowering	2	0
flowering	2	0
flowering	3	2
flowering	1	2
flowering	1	4
flowering	2	1
flowering	1	0
n/a	1	0
n/a	2	0
fruiting	1	0
flowering	4	1
flowering	1	0
flowering	4	1
fruiting	1	0
flowering	1	0
flowering	4	1
n/a	1	0
n/a	1	0
fruiting	1	1
flowering	1	0
flowering	2	1
n/a	1	0
flowering	1	0
flowering	1	0
n/a	1	0
flowering	2	1
flowering	2	2
flowering	3	3
flowering	1	0
flowering	3	2
flowering	5	1
n/a	1	1
flowering	1	0
fruiting	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
flowering	1	1
flowering	1	0
flowering	4	1
fruiting	2	1
flowering	1	1
fruit droppin	2	2
fruit droppin	1	1
fruit droppin	3	0
fruit droppin	6	0
fruiting	2	0
fruiting	4	0
flowering	4	1
fruiting	3	0
fruiting	1	0
flowering	2	0
fruiting	3	0
flowering	1	0
fruiting	2	0
flowering	4	1
fruit droppin	3	2
vegetative	2	1
n/a	1	0
n/a	1	3
flowering	2	0
flowering	1	1
fruiting	4	0
flowering	3	6
fruit droppin	2	3
flowering	2	3
n/a	1	5
n/a	1	1
n/a	1	5
flowering	1	0
fruiting	2	6
flowering	2	1
n/a	0	1
flowering	1	1
fruiting	1	0
flowering	2	3
fruiting	1	0
fruiting	5	1
fruiting	4	1
flowering	1	0
flowering	1	0
flowering	1	0
flowering	2	0
flowering	2	1
flowering	1	0
flowering	1	0
flowering	1	0
flowering	1	0
n/a	1	0
flowering	1	0
vegetative	3	0
fruiting	1	1
flowering	3	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
vegetative	2	0
vegetative	2	0
fruiting	1	0
n/a	1	1
n/a	1	0
vegetative	2	0
vegetative	1	0
vegetative	2	1
fruiting	1	2
vegetative	1	2
n/a	1	1
vegetative	1	1
fruiting	4	1
vegetative	3	0
vegetative	1	0
vegetative	1	1
n/a	0	1
n/a	1	0
n/a	1	2
vegetative	1	2
vegetative	3	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
n/a	1	1
fruiting	1	3
fruit droppin	2	0
vegetative	3	1
n/a	1	1
n/a	1	2
vegetative	2	3
vegetative	1	0
fruiting	2	1
fruiting	3	0
n/a	1	0
vegetative	3	2
n/a	1	0
vegetative	2	0
fruiting	6	0
vegetative	2	2
fruiting	3	1
vegetative	2	2
vegetative	1	2
vegetative	2	0
n/a	1	0
vegetative	1	1
vegetative	4	0
n/a	1	0
vegetative	1	0
vegetative	7	0
vegetative	1	0
vegetative	3	1
vegetative	2	1
vegetative	8	1
vegetative	2	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
vegetative	2	0
vegetative	1	0
vegetative	2	1
fruiting	2	1
vegetative	1	0
vegetative	3	1
vegetative	4	3
vegetative	1	0
vegetative	1	1
vegetative	2	0
vegetative	3	1
vegetative	2	0
vegetative	2	2
vegetative	1	0
vegetative	5	1
vegetative	5	0
vegetative	3	0
vegetative	1	1
vegetative	1	0
vegetative	3	0
vegetative	3	0
fruiting	5	1
n/a	1	0
vegetative	3	0
vegetative	1	1
n/a	1	0
vegetative	4	1
vegetative	4	0
n/a	1	0
vegetative	2	0
vegetative	2	1
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	2	0
fruiting	1	1
fruiting	6	0
n/a	1	1
vegetative	1	0
vegetative	2	1
vegetative	1	0
n/a	1	0
n/a	1	1
vegetative	9	0
vegetative	6	2
vegetative	1	1
n/a	1	3
vegetative	1	2
vegetative	1	0
vegetative	3	2
vegetative	2	0
fruiting	2	4
fruiting	1	1
n/a	1	0
flowering	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	2	1
vegetative	1	0
n/a	1	0
fruiting	1	0
vegetative	3	2
fruiting	2	3
vegetative	1	0
fruiting	3	5
vegetative	4	0
vegetative	1	1
vegetative	1	1
n/a	1	0
n/a	1	1
vegetative	1	0
vegetative	2	1
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	1	0
fruiting	1	1
fruiting	2	2
vegetative	1	1
vegetative	3	1
fruiting	3	0
flowering	6	1
vegetative	1	0
vegetative	3	0
vegetative	3	2
vegetative	3	0
vegetative	1	0
vegetative	4	3
vegetative	2	1
vegetative	2	2
fruiting	1	0
fruiting	1	0
fruiting	2	0
n/a	1	1
fruiting	1	0
n/a	1	0
vegetative	1	0
vegetative	1	0
n/a	1	2
n/a	1	1
vegetative	1	0
vegetative	3	0
fruiting	5	0
vegetative	4	0
vegetative	3	2
vegetative	1	0
fruiting	5	0
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	1
vegetative	3	0
vegetative	1	1
vegetative	5	2
vegetative	1	0
n/a	1	1
fruiting	3	2
fruiting	2	1
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	3	0
vegetative	2	0
n/a	1	0
vegetative	1	1
n/a	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
n/a	1	0
fruiting	5	2
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	1
n/a	1	0
vegetative	1	0
fruiting	1	0
vegetative	2	0
n/a	1	1
vegetative	2	0
vegetative	2	0
vegetative	2	0
n/a	1	1
vegetative	1	0
vegetative	1	0
vegetative	1	0
fruiting	5	0
vegetative	3	1
vegetative	1	0
vegetative	3	0
vegetative	4	0
vegetative	2	0
vegetative	2	0
fruiting	1	1
vegetative	1	0
vegetative	4	0
vegetative	1	0
vegetative	2	0
vegetative	2	1
fruiting	1	1
n/a	1	0
n/a	1	0
fruiting	2	0
fruiting	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	1	0
vegetative	3	1
vegetative	2	0
vegetative	5	0
vegetative	5	0
vegetative	4	0
n/a	1	1
vegetative	3	0
vegetative	2	1
vegetative	1	0
n/a	1	0
vegetative	5	0
vegetative	1	0
vegetative	1	0
vegetative	3	0
vegetative	3	0
vegetative	4	0
vegetative	1	0
vegetative	2	0
fruiting	1	0
fruiting	3	0
fruiting	5	0
vegetative	3	0
vegetative	6	0
vegetative	2	0
vegetative	3	0
vegetative	1	0
vegetative	5	0
vegetative	4	0
vegetative	1	0
fruiting	5	0
vegetative	2	0
vegetative	2	0
vegetative	2	0
vegetative	2	1
vegetative	4	0
vegetative	2	0
vegetative	2	0
vegetative	5	0
vegetative	1	0
vegetative	3	0
vegetative	4	0
vegetative	1	0
vegetative	4	0
vegetative	1	0
vegetative	3	0
fruiting	4	1
vegetative	3	0
fruiting	3	0
vegetative	6	0
vegetative	8	0
vegetative	4	1
vegetative	2	0
vegetative	1	0
vegetative	4	0
vegetative	3	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	6	0
vegetative	2	0
vegetative	3	1
fruiting	3	0
vegetative	1	0
vegetative	2	0
vegetative	1	1
vegetative	1	0
vegetative	1	0
vegetative	1	0
fruiting	1	0
n/a	1	0
vegetative	1	1
fruiting	1	0
fruiting	1	0
vegetative	3	0
fruiting	2	0
fruiting	1	0
fruiting	1	0
fruiting	1	0
fruiting	3	0
fruiting	3	0
fruiting	1	1
vegetative	1	0
vegetative	1	0
fruiting	1	0
vegetative	4	2
fruiting	5	0
vegetative	1	0
vegetative	6	1
fruiting	1	1
n/a	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
fruiting	2	0
vegetative	1	0
fruiting	2	0
fruiting	3	1
vegetative	2	0
vegetative	2	0
vegetative	1	0
n/a	1	0
fruiting	6	0
fruiting	5	0
fruiting	4	0
vegetative	1	1
vegetative	1	1
fruiting	3	1
n/a	1	0
fruiting	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	4	1
vegetative	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	2	0
fruiting	1	0
vegetative	11	1
fruiting	11	0
fruiting	2	0
fruiting	1	1
vegetative	3	0
fruiting	2	1
fruiting	3	0
n/a	1	0
fruiting	2	2
n/a	1	0
n/a	1	1
n/a	1	0
n/a	1	0
n/a	1	1
n/a	1	3
fruiting	1	0
n/a	1	1
vegetative	1	0
n/a	1	0
vegetative	2	0
n/a	1	1
vegetative	2	2
vegetative	3	1
n/a	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
vegetative	1	0
fruiting	2	0
n/a	1	1
n/a	1	0
vegetative	1	0
fruiting	4	1
fruiting	1	0
vegetative	1	1
fruiting	5	1
vegetative	1	0
fruiting	7	2
vegetative	1	0
n/a	1	0
vegetative	8	0
vegetative	2	1
vegetative	1	0
fruit droppin	1	0
vegetative	7	1
n/a	1	1
vegetative	1	0
fruit droppin	1	0
vegetative	1	1
n/a	1	1
fruiting	1	0
fruiting	1	0
vegetative	1	2
vegetative	3	5

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	2	1
vegetative	1	0
vegetative	3	1
vegetative	3	0
fruiting	1	0
fruiting	1	0
vegetative	2	0
vegetative	1	0
vegetative	8	0
fruiting	3	0
vegetative	2	0
fruit droppin	2	0
fruiting	1	0
vegetative	1	0
vegetative	2	1
fruiting	5	2
fruiting	2	0
vegetative	6	1
n/a	1	0
vegetative	2	0
n/a	1	0
vegetative	1	2
fruiting	2	0
vegetative	4	0
vegetative	2	0
fruiting	1	1
n/a	1	0
fruiting	3	2
vegetative	1	0
n/a	1	0
vegetative	1	0
vegetative	1	2
vegetative	1	0
vegetative	1	0
flowering	2	0
fruiting	2	1
fruiting	1	2
n/a	1	0
fruiting	1	2
vegetative	3	2
vegetative	1	0
fruiting	2	0
fruiting	1	0
n/a	1	0
n/a	1	1
fruiting	1	0
fruiting	2	2
fruiting	1	2
vegetative	1	0
fruiting	2	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	2
n/a	1	0
n/a	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	2	0
flowering	1	2
vegetative	1	2
vegetative	1	1
fruiting	2	0
vegetative	6	1
fruiting	3	1
n/a	1	0
vegetative	1	0
fruiting	2	0
fruiting	2	0
n/a	1	0
fruiting	2	0
fruiting	1	0
fruiting	3	1
fruiting	2	0
n/a	1	0
n/a	1	1
fruiting	1	0
vegetative	1	0
n/a	1	0
vegetative	1	1
flowering	1	0
vegetative	1	0
fruiting	3	2
fruiting	1	1
n/a	1	0
fruiting	1	0
vegetative	1	1
flowering	1	0
fruiting	1	0
n/a	1	0
fruiting	1	0
vegetative	1	0
n/a	1	0
fruiting	2	0
vegetative	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
vegetative	2	1
vegetative	1	0
vegetative	1	1
flowering	2	0
fruiting	1	0
fruiting	1	0
fruiting	2	0
n/a	1	0
fruiting	2	2
n/a	1	0
fruiting	1	0
fruiting	4	0
fruiting	1	0
vegetative	1	0
n/a	1	2
fruiting	2	2

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
n/a	1	0
vegetative	2	0
vegetative	2	0
vegetative	1	0
fruiting	2	1
flowering	1	0
flowering	1	2
fruiting	1	2
fruiting	1	1
n/a	1	0
fruiting	1	0
vegetative	1	1
n/a	1	1
n/a	1	1
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	2	3
fruiting	3	0
fruiting	2	0
vegetative	1	0
vegetative	1	0
fruiting	1	1
n/a	1	0
fruiting	1	1
vegetative	2	0
fruiting	2	0
n/a	1	0
vegetative	1	1
fruiting	1	0
fruiting	4	1
n/a	1	0
fruiting	3	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
vegetative	2	0
fruiting	1	0
n/a	1	0
flowering	1	0
fruiting	1	0
fruiting	1	0
fruiting	3	1
n/a	1	0
n/a	1	0
n/a	1	0
fruiting	1	0
vegetative	1	0
vegetative	1	0
vegetative	5	1
n/a	1	0
vegetative	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
n/a	1	0
vegetative	2	1
vegetative	1	0
n/a	1	0
fruiting	1	1
vegetative	2	0
vegetative	1	0
fruiting	2	0
fruiting	3	0
fruiting	5	0
vegetative	2	0
fruiting	1	0
vegetative	1	0
fruiting	2	0
n/a	1	0
vegetative	3	0
vegetative	1	0
vegetative	2	1
n/a	1	0
vegetative	5	0
n/a	1	0
fruiting	2	0
fruiting	3	0
vegetative	1	0
vegetative	1	1
fruiting	3	0
vegetative	5	0
vegetative	1	0
vegetative	1	1
vegetative	2	0
vegetative	1	1
vegetative	1	0
vegetative	1	0
fruiting	2	0
vegetative	1	0
vegetative	2	1
fruiting	2	0
fruiting	1	0
fruiting	1	1
fruiting	3	0
fruiting	1	0
vegetative	1	0
fruiting	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
fruiting	1	2
vegetative	1	1
n/a	1	0
vegetative	1	1
fruiting	1	0
fruiting	1	0
n/a	1	0
n/a	1	0
vegetative	3	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	2
vegetative	2	0
vegetative	1	0
fruiting	1	0
fruiting	3	0
fruiting	1	0
vegetative	1	1
fruiting	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
n/a	1	0
fruiting	4	2
vegetative	1	1
fruiting	1	0
vegetative	2	0
fruiting	2	0
vegetative	1	4
vegetative	3	0
vegetative	1	0
vegetative	1	1
vegetative	5	2
fruiting	4	2
fruiting	2	0
fruiting	1	0
fruiting	1	0
vegetative	1	0
vegetative	1	0
fruiting	3	1
fruiting	2	1
n/a	1	0
vegetative	1	0
vegetative	2	0
vegetative	3	0
fruiting	4	0
vegetative	2	0
vegetative	1	0
vegetative	1	0
fruiting	2	0
fruiting	1	0
n/a	1	0
fruiting	3	0
vegetative	1	0
fruit droppin	4	0
fruit droppin	1	0
vegetative	4	0
fruiting	2	1
fruiting	2	0
vegetative	2	1
vegetative	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	2	1
n/a	1	0
flowering	1	0
vegetative	1	0
n/a	1	0
fruiting	1	0
fruiting	1	1
fruiting	1	0
n/a	1	0
fruiting	2	2
vegetative	1	1
vegetative	1	0
vegetative	1	1
fruiting	3	1
vegetative	1	1
vegetative	2	0
n/a	1	0
fruiting	2	1
vegetative	2	0
fruiting	1	0
n/a	1	0
n/a	1	0
vegetative	1	2
fruiting	2	0
vegetative	2	1
vegetative	1	0
vegetative	3	0
vegetative	1	0
vegetative	2	0
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	1
vegetative	3	1
vegetative	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
vegetative	2	1
fruiting	1	0
vegetative	1	0
vegetative	3	0
vegetative	1	0
vegetative	1	1
vegetative	3	0
n/a	1	0
fruiting	2	1
fruiting	1	0
vegetative	2	1
fruiting	1	0
vegetative	1	1
vegetative	2	0
vegetative	4	0
vegetative	1	1
vegetative	1	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
vegetative	1	0
vegetative	1	1
n/a	1	0
fruiting	1	0
n/a	1	0
vegetative	1	2
fruit droppin	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
vegetative	4	0
vegetative	1	0
vegetative	2	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
fruiting	2	0
vegetative	5	0
fruiting	1	0
fruiting	5	0
fruiting	1	0
vegetative	1	0
vegetative	2	0
vegetative	1	0
fruiting	4	0
vegetative	1	0
n/a	1	0
fruiting	4	0
vegetative	1	0
fruit droppin	3	0
vegetative	1	1
vegetative	1	1
vegetative	1	0
fruiting	2	0
vegetative	2	0
n/a	1	0
n/a	1	0
vegetative	2	0
vegetative	3	2
vegetative	1	1
vegetative	1	0
vegetative	1	1
n/a	1	0
vegetative	1	0
fruiting	1	0
fruiting	2	0
vegetative	2	1
fruiting	1	0
vegetative	5	0
fruiting	2	1
fruiting	3	1
vegetative	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	4	1
fruiting	1	2
fruiting	2	0
vegetative	1	0
vegetative	2	0
fruiting	1	2
fruiting	4	1
vegetative	2	0
fruiting	1	0
fruiting	2	2
vegetative	1	0
vegetative	3	1
vegetative	1	0
fruiting	3	1
vegetative	1	1
fruiting	1	0
fruiting	1	1
n/a	1	0
fruiting	1	0
vegetative	1	0
fruiting	1	0
n/a	1	0
n/a	1	2
vegetative	1	0
n/a	1	0
fruiting	2	1
fruiting	2	0
fruiting	1	0
n/a	1	0
fruiting	1	0
vegetative	2	1
n/a	1	0
vegetative	1	0
fruiting	2	0
vegetative	1	0
fruiting	1	0
fruiting	3	0
vegetative	2	0
n/a	1	0
vegetative	1	1
fruiting	4	0
vegetative	1	0
vegetative	1	0
fruiting	1	0
fruiting	1	0
fruiting	1	0
fruiting	3	0
fruiting	1	0
vegetative	1	0
fruiting	1	0
vegetative	1	0
fruiting	1	0
fruiting	1	0
vegetative	2	0
vegetative	1	0
vegetative	5	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	1
fruiting	1	0
vegetative	1	0
fruiting	3	0
vegetative	1	0
vegetative	1	0
fruiting	2	0
vegetative	4	1
n/a	1	0
vegetative	2	0
vegetative	2	0
vegetative	3	0
fruiting	2	0
fruiting	3	0
vegetative	1	0
fruiting	1	0
vegetative	1	0
vegetative	1	0
fruiting	1	0
fruiting	1	0
fruiting	2	0
n/a	1	0
fruiting	2	0
vegetative	1	0
vegetative	1	0
vegetative	1	1
vegetative	1	0
vegetative	1	0
fruiting	3	0
fruiting	1	0
n/a	1	0
vegetative	1	0
fruiting	1	0
vegetative	1	0
vegetative	2	1
vegetative	2	1
fruiting	3	1
fruiting	1	0
vegetative	1	0
vegetative	1	1
fruiting	1	0
fruiting	1	0
vegetative	3	0
fruiting	5	0
vegetative	2	0
vegetative	5	0
vegetative	5	0
vegetative	1	1
fruiting	3	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
vegetative	1	0
fruiting	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
vegetative	1	0
fruiting	9	1
vegetative	1	0
fruiting	1	0
fruiting	1	1
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	2	0
vegetative	1	1
vegetative	3	0
fruiting	3	0
vegetative	2	0
vegetative	4	0
vegetative	2	0
vegetative	2	0
flowering	5	0
fruiting	5	0
vegetative	8	1
fruiting	6	3
vegetative	6	1
vegetative	7	4
vegetative	1	0
vegetative	3	1
fruiting	3	0
n/a	1	0
vegetative	1	0
vegetative	8	5
vegetative	4	0
fruiting	8	6
vegetative	1	1
flowering	3	0
flowering	7	0
fruiting	2	0
vegetative	12	4
vegetative	13	1
vegetative	1	0
vegetative	6	1
vegetative	19	8
vegetative	4	1
fruiting	2	0
vegetative	1	0
vegetative	6	3
n/a	1	0
vegetative	5	2
vegetative	1	0
fruiting	1	0
fruiting	1	1
vegetative	1	0
fruiting	1	1
vegetative	1	1
vegetative	3	0
vegetative	1	0
vegetative	1	0
vegetative	2	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	2	1
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	2	0
fruiting	6	2
vegetative	4	0
vegetative	1	0
n/a	1	0
vegetative	4	0
vegetative	1	0
vegetative	6	2
n/a	3	0
n/a	1	1
n/a	3	0
n/a	1	0
vegetative	1	0
fruiting	2	0
vegetative	1	1
fruit droppin	2	0
vegetative	1	0
vegetative	1	3
vegetative	2	1
n/a	1	0
n/a	4	0
n/a	1	0
n/a	1	0
n/a	1	3
n/a	1	0
n/a	1	0
vegetative	2	0
fruiting	2	0
fruiting	4	2
vegetative	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
fruiting	2	2
vegetative	1	0
vegetative	1	0
vegetative	2	0
n/a	1	1
fruiting	2	1
fruiting	1	0
vegetative	2	1
vegetative	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
fruiting	2	0
vegetative	2	0
fruit droppin	1	0
n/a	1	0
n/a	1	0
n/a	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
n/a	1	0
n/a	1	0
fruiting	2	0
n/a	1	0
vegetative	1	0
vegetative	2	1
fruiting	4	0
vegetative	1	0
n/a	1	1
vegetative	4	0
vegetative	3	0
vegetative	3	1
vegetative	1	1
n/a	1	0
vegetative	2	1
fruiting	2	2
vegetative	2	0
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
vegetative	1	0
vegetative	1	1
vegetative	2	0
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
vegetative	2	0
vegetative	1	0
vegetative	1	2
vegetative	1	0
n/a	1	0
vegetative	2	0
vegetative	3	1
fruiting	7	1
fruiting	8	2
vegetative	7	1
vegetative	3	0
vegetative	3	1
fruiting	2	1
vegetative	1	3
vegetative	1	0
vegetative	2	0
vegetative	2	1
vegetative	2	0
vegetative	3	0
vegetative	2	7
vegetative	1	0
vegetative	1	5
vegetative	2	0
n/a	1	0
fruiting	4	2
fruiting	1	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	2
fruiting	1	1
fruiting	5	1
n/a	1	0
vegetative	2	0
n/a	1	0
vegetative	1	0
fruiting	3	0
vegetative	2	0
vegetative	1	0
vegetative	1	2
vegetative	2	0
vegetative	1	0
n/a	2	0
vegetative	1	0
n/a	1	0
vegetative	5	1
vegetative	1	1
vegetative	3	1
vegetative	2	2
vegetative	2	0
vegetative	2	0
vegetative	2	0
vegetative	4	0
vegetative	1	0
vegetative	1	1
vegetative	4	3
n/a	1	0
vegetative	1	0
fruiting	4	4
vegetative	2	0
vegetative	6	2
vegetative	2	1
vegetative	7	5
vegetative	1	0
vegetative	4	0
vegetative	7	1
vegetative	4	2
vegetative	1	0
n/a	1	0
n/a	1	0
fruiting	1	1
vegetative	6	2
vegetative	1	1
vegetative	2	0
vegetative	3	0
vegetative	1	0
vegetative	1	0
fruiting	3	0
n/a	1	0
fruit droppin	3	0
fruiting	1	0
fruiting	5	0
fruiting	6	0
vegetative	9	2
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	4	2
vegetative	4	5
n/a	1	0
vegetative	6	1
vegetative	1	0
vegetative	2	2
n/a	1	1
vegetative	8	0
fruiting	1	0
fruit droppin	3	0
fruiting	3	1
vegetative	3	0
vegetative	1	0
vegetative	1	0
vegetative	2	0
fruiting	2	0
vegetative	10	3
fruiting	9	1
vegetative	5	0
vegetative	5	0
vegetative	10	0
vegetative	1	0
fruiting	2	0
fruiting	5	2
fruiting	3	0
vegetative	2	2
vegetative	1	0
vegetative	1	1
fruit droppin	3	2
n/a	1	2
fruit droppin	1	1
fruit droppin	2	2
n/a	1	0
vegetative	3	2
vegetative	3	2
vegetative	7	1
n/a	1	0
vegetative	2	0
n/a	1	0
n/a	1	0
fruiting	6	1
vegetative	1	1
vegetative	3	0
n/a	2	0
vegetative	1	0
vegetative	3	0
vegetative	1	2
vegetative	2	1
vegetative	5	0
vegetative	1	2
fruit droppin	3	0
n/a	1	0
vegetative	1	2
n/a	1	0
vegetative	2	0
n/a	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	2	1
vegetative	1	0
vegetative	3	2
n/a	1	0
fruiting	2	0
fruiting	1	1
vegetative	3	0
fruiting	3	0
vegetative	1	0
fruiting	4	1
vegetative	2	0
fruiting	1	0
fruiting	3	0
fruiting	3	0
vegetative	4	0
vegetative	3	0
vegetative	1	1
fruiting	3	0
vegetative	1	1
fruiting	2	0
vegetative	1	1
vegetative	3	1
fruiting	4	0
n/a	1	0
vegetative	4	0
fruiting	1	1
vegetative	1	2
vegetative	1	0
fruiting	2	0
fruiting	4	0
fruit droppin	3	2
n/a	1	0
vegetative	3	2
vegetative	1	0
vegetative	8	0
fruiting	7	2
vegetative	4	0
vegetative	3	0
vegetative	10	2
vegetative	2	1
n/a	1	1
vegetative	1	0
vegetative	1	0
vegetative	3	0
vegetative	1	0
vegetative	6	6
vegetative	1	5
vegetative	3	3
fruiting	4	2
vegetative	4	0
fruiting	3	0
vegetative	4	1
fruiting	3	0
vegetative	4	2
vegetative	2	1
n/a	1	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
n/a	1	0
vegetative	1	1
vegetative	1	0
n/a	1	1
vegetative	2	1
vegetative	4	0
n/a	1	0
vegetative	3	0
vegetative	1	0
fruit droppin	4	1
vegetative	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	2	0
vegetative	2	0
vegetative	1	0
vegetative	2	0
fruiting	5	2
fruiting	2	0
vegetative	4	0
vegetative	1	3
n/a	2	0
vegetative	3	6
n/a	1	1
n/a	1	0
n/a	1	1
vegetative	4	1
vegetative	2	3
vegetative	2	1
vegetative	4	4
vegetative	9	2
vegetative	2	1
vegetative	3	1
vegetative	2	1
vegetative	2	0
fruiting	5	1
vegetative	1	0
vegetative	3	3
n/a	0	1
vegetative	2	5
n/a	1	2
n/a	1	6
vegetative	1	1
vegetative	1	1
vegetative	1	0
vegetative	1	0
vegetative	6	0
n/a	1	0
vegetative	2	0
vegetative	1	0
vegetative	2	0
vegetative	3	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	2	0
fruit droppin	13	3
vegetative	1	0
vegetative	7	3
vegetative	10	0
vegetative	1	0
fruiting	3	2
vegetative	2	1
flowering	3	1
fruiting	4	0
vegetative	2	3
vegetative	1	1
vegetative	11	1
vegetative	3	2
vegetative	2	0
vegetative	2	0
vegetative	5	1
vegetative	1	2
vegetative	2	3
n/a	1	3
vegetative	3	1
vegetative	2	0
n/a	1	0
n/a	1	2
n/a	2	0
n/a	1	0
vegetative	1	1
vegetative	3	1
vegetative	2	2
vegetative	3	2
fruiting	2	2
fruit droppin	1	0
fruiting	6	0
vegetative	2	0
vegetative	2	1
fruiting	4	0
fruiting	3	0
n/a	1	0
fruiting	1	0
n/a	1	0
vegetative	4	2
vegetative	1	0
vegetative	2	2
vegetative	3	0
vegetative	17	3
vegetative	2	0
vegetative	3	0
vegetative	5	0
fruiting	4	0
vegetative	2	0
n/a	1	0
vegetative	5	1
fruiting	2	2
fruiting	8	0
vegetative	1	0
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	6	3
vegetative	4	7
vegetative	3	1
fruiting	4	0
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	3	0
vegetative	1	0
n/a	1	0
vegetative	5	1
vegetative	1	1
vegetative	1	0
vegetative	1	1
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	4	0
n/a	1	1
fruiting	1	1
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	3	0
vegetative	3	4
vegetative	6	0
vegetative	3	2
vegetative	7	2
vegetative	2	1
vegetative	1	1
vegetative	1	0
vegetative	2	1
vegetative	3	3
vegetative	1	1
vegetative	2	0
vegetative	1	0
n/a	1	1
vegetative	4	1
vegetative	4	1
vegetative	2	0
vegetative	10	2
n/a	1	0
vegetative	9	1
vegetative	1	0
vegetative	1	0
vegetative	7	1
vegetative	2	1
n/a	1	0
vegetative	1	0
vegetative	5	2
vegetative	7	1
n/a	1	0
n/a	1	0
vegetative	1	1
vegetative	5	0
fruiting	5	3

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	6	2
n/a	1	0
n/a	1	1
n/a	1	2
vegetative	1	0
fruiting	8	1
vegetative	1	0
vegetative	3	1
fruiting	3	2
vegetative	5	2
fruiting	1	0
vegetative	2	0
fruiting	1	2
fruiting	1	1
fruiting	4	0
vegetative	8	4
vegetative	9	0
vegetative	5	2
n/a	1	0
n/a	1	0
n/a	1	3
n/a	1	1
fruiting	1	0
fruiting	1	2
n/a	1	4
vegetative	1	2
vegetative	1	0
fruiting	2	0
vegetative	3	1
vegetative	6	5
vegetative	2	2
vegetative	8	0
fruiting	2	0
flowering	6	0
vegetative	5	0
vegetative	1	1
fruiting	3	1
vegetative	1	0
vegetative	3	1
vegetative	1	0
n/a	1	0
vegetative	1	1
fruiting	1	0
fruiting	1	1
fruiting	2	0
vegetative	1	1
vegetative	1	0
n/a	1	1
n/a	1	1
vegetative	1	0
flowering	2	1
vegetative	1	0
fruiting	1	0
vegetative	1	0
vegetative	2	0
flowering	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
vegetative	2	1
vegetative	1	0
fruiting	4	0
vegetative	1	0
fruiting	1	0
fruit droppin	1	0
vegetative	1	0
n/a	1	0
vegetative	1	0
vegetative	1	0
flowering	2	0
vegetative	3	1
vegetative	3	0
vegetative	1	1
vegetative	1	0
vegetative	1	1
vegetative	2	1
vegetative	2	1
vegetative	1	0
n/a	1	1
vegetative	2	0
vegetative	1	1
n/a	1	0
vegetative	2	0
fruiting	1	0
vegetative	1	2
fruiting	1	1
vegetative	1	0
vegetative	1	0
fruit droppin	3	2
n/a	1	1
fruiting	1	0
fruit droppin	1	0
vegetative	1	0
fruiting	1	0
vegetative	1	0
n/a	1	0
vegetative	2	1
fruiting	1	3
vegetative	3	2
vegetative	1	0
n/a	1	1
n/a	1	3
vegetative	2	0
n/a	1	0
vegetative	1	2
fruiting	1	1
vegetative	3	0
vegetative	2	0
n/a	1	0
vegetative	2	0
vegetative	4	1
fruiting	1	0
vegetative	2	2
vegetative	1	3

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	3	0
fruiting	3	0
n/a	1	0
fruiting	2	1
vegetative	1	0
vegetative	1	0
fruiting	1	0
vegetative	1	0
vegetative	2	1
n/a	1	2
fruiting	1	0
fruiting	1	0
vegetative	1	0
flowering	4	1
fruiting	1	0
vegetative	1	0
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	2	0
fruiting	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
n/a	1	1
fruiting	1	0
vegetative	1	1
vegetative	1	2
vegetative	1	0
fruiting	1	0
vegetative	2	0
fruit droppin	1	0
vegetative	1	1
n/a	1	1
vegetative	1	0
vegetative	1	0
fruit droppin	1	0
fruiting	1	0
vegetative	1	0
fruiting	1	0
vegetative	1	0
fruiting	1	0
vegetative	1	0
fruiting	3	0
n/a	1	0
vegetative	1	0
vegetative	1	0
fruiting	1	0
n/a	1	0
n/a	1	2
vegetative	1	0
vegetative	2	1
n/a	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
vegetative	2	1
vegetative	2	1
fruiting	3	0
n/a	1	0
n/a	1	0
fruiting	1	1
vegetative	1	1
n/a	1	0
vegetative	3	1
vegetative	1	0
n/a	1	0
n/a	1	0
n/a	1	0
fruiting	1	0
vegetative	1	0
fruiting	1	0
fruiting	2	0
n/a	1	0
n/a	1	0
vegetative	1	1
vegetative	3	1
n/a	1	1
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	1
vegetative	2	2
vegetative	1	0
vegetative	2	0
n/a	1	0
vegetative	1	0
vegetative	2	1
n/a	1	0
vegetative	5	1
vegetative	6	1
vegetative	3	0
vegetative	2	1
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	1	2
n/a	1	1
n/a	1	0
n/a	1	0
vegetative	1	1
vegetative	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
flowering	2	0
vegetative	1	1
fruiting	1	0
vegetative	1	1
n/a	1	0
vegetative	2	1
vegetative	2	1
vegetative	2	2
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	2
vegetative	1	0
vegetative	3	4
vegetative	1	0
vegetative	7	0
vegetative	2	0
fruiting	2	0
vegetative	1	0
vegetative	2	2
fruiting	9	2
vegetative	1	0
fruiting	2	0
fruiting	1	0
vegetative	3	1
vegetative	1	5
vegetative	2	0
fruiting	1	0
vegetative	5	1
vegetative	1	1
fruiting	2	1
vegetative	1	0
vegetative	2	0
vegetative	2	0
n/a	1	0
vegetative	3	0
n/a	1	2
vegetative	2	0
fruiting	2	0
vegetative	1	0
vegetative	1	0
vegetative	2	0
vegetative	3	1
vegetative	1	0
fruiting	2	0
vegetative	1	0
vegetative	1	2
vegetative	1	0
vegetative	1	1
vegetative	3	2
fruiting	4	1
vegetative	1	1
vegetative	1	1
fruiting	1	0
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	4	2
vegetative	5	1
n/a	1	1
vegetative	3	1
vegetative	1	0
fruiting	1	0
fruiting	2	0
vegetative	4	1
fruit droppin	2	0
fruiting	6	0
vegetative	1	0
vegetative	4	1
n/a	1	0
n/a	1	0
n/a	1	1
vegetative	1	0
vegetative	3	0
fruiting	4	0
fruiting	3	6
vegetative	1	1
n/a	1	0
vegetative	1	2
fruiting	1	0
n/a	1	0
fruiting	1	0
vegetative	4	4
vegetative	4	0
vegetative	5	0
vegetative	5	1
vegetative	1	0
n/a	1	1
fruiting	2	0
fruiting	6	0
vegetative	3	0
fruiting	4	0
vegetative	1	0
vegetative	3	0
fruiting	1	0
fruiting	4	3
n/a	1	0
fruiting	1	0
n/a	1	0
vegetative	1	1
vegetative	2	2
n/a	1	0
fruiting	5	2
vegetative	1	0
fruiting	9	0
vegetative	4	2
vegetative	1	1
vegetative	1	0
fruiting	1	0
vegetative	1	1
vegetative	2	0
vegetative	2	1
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	5	1
vegetative	1	0
vegetative	2	1
fruiting	2	1
vegetative	1	0
vegetative	2	2
fruiting	3	1
fruiting	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
fruit droppin	4	1
vegetative	1	1
fruit droppin	1	0
vegetative	3	1
fruiting	2	0
vegetative	1	1
n/a	1	0
fruiting	4	0
n/a	1	0
fruit droppin	1	0
fruiting	2	0
n/a	1	0
vegetative	2	1
fruiting	1	0
n/a	1	0
fruiting	2	0
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	1	1
vegetative	2	0
vegetative	2	2
n/a	1	5
vegetative	2	1
n/a	1	3
n/a	1	2
vegetative	1	2
flowering	1	3
n/a	1	1
n/a	1	6
n/a	1	3
vegetative	3	2
fruiting	1	1
fruiting	5	1
vegetative	3	0
vegetative	1	1
fruiting	1	2
fruiting	2	0
fruit droppin	1	0
vegetative	3	1
n/a	1	1
vegetative	1	3
n/a	1	0
vegetative	1	0
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruit droppin	1	1
fruit droppin	3	0
vegetative	6	1
fruiting	1	0
vegetative	1	0
vegetative	2	0
vegetative	1	2
vegetative	1	0
fruiting	1	0
fruiting	3	1
fruiting	2	0
vegetative	3	4
n/a	1	0
vegetative	2	3
vegetative	4	0
fruit droppin	5	1
vegetative	5	1
fruiting	3	0
vegetative	2	0
fruit droppin	1	2
fruiting	2	1
fruiting	2	4
fruiting	1	2
fruiting	2	5
vegetative	1	0
fruit droppin	5	2
vegetative	2	0
fruit droppin	6	1
fruiting	1	0
fruit droppin	1	1
fruit droppin	4	2
n/a	1	0
vegetative	1	2
n/a	1	0
fruiting	4	1
n/a	1	0
fruiting	3	2
fruit droppin	2	0
vegetative	3	2
fruit droppin	1	0
fruiting	4	0
vegetative	5	1
fruiting	1	0
fruiting	1	0
vegetative	4	0
vegetative	1	0
vegetative	1	0
vegetative	9	4
vegetative	4	0
fruiting	4	2
vegetative	1	0
vegetative	1	1
vegetative	2	3
vegetative	1	0
vegetative	1	1
vegetative	7	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	4	0
fruiting	3	1
fruiting	2	1
vegetative	2	2
vegetative	3	5
n/a	1	1
vegetative	1	3
fruiting	1	1
fruiting	9	5
n/a	1	1
vegetative	3	6
vegetative	3	1
fruiting	6	4
fruiting	5	6
vegetative	1	0
vegetative	4	4
fruit droppin	6	4
fruiting	2	2
vegetative	6	2
vegetative	4	4
vegetative	4	2
vegetative	1	5
vegetative	2	4
vegetative	1	3
fruiting	3	0
vegetative	4	0
fruiting	1	1
fruiting	1	4
fruiting	1	0
fruit droppin	3	1
vegetative	12	4
fruiting	2	0
n/a	1	0
n/a	1	3
vegetative	1	0
n/a	1	1
fruit droppin	4	1
fruiting	3	1
fruiting	8	0
fruiting	2	1
n/a	1	1
vegetative	1	0
vegetative	1	0
fruiting	2	0
fruit droppin	1	0
vegetative	2	1
vegetative	1	1
n/a	1	0
vegetative	2	1
fruiting	4	2
vegetative	1	0
vegetative	1	0
fruiting	4	3
n/a	1	0
fruiting	6	0
vegetative	3	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	7	0
vegetative	1	0
fruiting	5	2
fruiting	2	1
fruiting	2	0
fruiting	3	0
n/a	1	0
n/a	1	1
fruiting	4	2
vegetative	1	0
vegetative	1	6
vegetative	5	2
vegetative	1	0
vegetative	2	0
vegetative	2	2
n/a	2	0
fruiting	3	1
n/a	2	0
vegetative	2	1
vegetative	1	1
vegetative	1	0
vegetative	2	0
vegetative	2	3
n/a	1	0
vegetative	1	3
vegetative	1	1
fruiting	7	2
vegetative	1	1
vegetative	2	0
vegetative	2	3
vegetative	3	1
vegetative	2	1
vegetative	1	2
vegetative	3	8
vegetative	6	2
vegetative	1	2
vegetative	1	2
vegetative	9	7
vegetative	1	0
vegetative	3	3
n/a	1	0
vegetative	1	2
vegetative	2	1
fruit droppin	2	2
vegetative	3	3
vegetative	3	2
vegetative	2	2
vegetative	4	2
vegetative	2	1
vegetative	5	0
n/a	1	2
vegetative	1	0
n/a	1	1
n/a	1	5
vegetative	2	1
vegetative	2	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	2	0
vegetative	3	1
fruiting	2	0
fruiting	4	0
vegetative	2	1
vegetative	1	0
fruiting	1	0
vegetative	2	3
vegetative	1	0
vegetative	4	1
n/a	1	0
vegetative	1	0
vegetative	2	0
vegetative	1	0
vegetative	2	0
fruiting	4	1
vegetative	1	1
vegetative	2	0
flowering	4	2
vegetative	1	0
vegetative	1	0
vegetative	1	1
vegetative	1	3
fruiting	2	2
fruiting	2	2
vegetative	1	0
vegetative	1	1
vegetative	1	0
vegetative	2	2
vegetative	3	7
n/a	1	0
vegetative	2	0
vegetative	2	0
vegetative	5	1
fruit droppin	2	1
vegetative	1	1
vegetative	3	0
n/a	1	0
vegetative	5	2
fruiting	1	0
vegetative	1	0
vegetative	6	0
vegetative	5	1
vegetative	3	0
vegetative	4	1
vegetative	3	0
n/a	1	0
vegetative	2	0
vegetative	7	1
vegetative	3	4
vegetative	3	0
fruiting	1	2
vegetative	1	0
fruit droppin	2	0
vegetative	2	3
fruiting	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
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CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	1	2
n/a	1	0
fruiting	2	1
n/a	1	1
vegetative	2	1
vegetative	2	0
vegetative	1	0
n/a	1	0
vegetative	6	4
vegetative	1	2
vegetative	6	4
fruiting	1	1
vegetative	3	0
n/a	1	0
vegetative	2	0
flowering	4	3
vegetative	7	2
vegetative	1	0
vegetative	5	2
vegetative	6	2
fruiting	3	0
fruiting	2	1
vegetative	4	0
vegetative	1	1
fruit droppin	5	1
fruiting	3	2
fruiting	1	1
vegetative	1	1
fruiting	2	0
fruiting	1	3
vegetative	2	1
fruiting	2	0
fruiting	8	2
vegetative	1	0
n/a	1	0
vegetative	1	2
vegetative	2	1
vegetative	1	0
vegetative	1	0
vegetative	2	0
fruiting	3	1
vegetative	4	0
vegetative	3	2
vegetative	1	1
fruiting	3	0
vegetative	1	0
vegetative	2	3
vegetative	1	0
vegetative	2	3
vegetative	1	1
vegetative	1	0
vegetative	2	0
vegetative	1	0
vegetative	2	0
flowering	1	0
n/a	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
flowering	3	1
vegetative	3	0
vegetative	2	0
vegetative	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
vegetative	1	0
fruiting	3	0
vegetative	1	0
n/a	1	0
fruiting	3	0
fruiting	3	1
vegetative	1	0
fruiting	3	0
vegetative	2	0
n/a	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
vegetative	2	1
fruiting	1	0
fruiting	3	0
vegetative	1	0
fruiting	1	3
fruiting	1	0
vegetative	1	0
n/a	1	0
vegetative	2	0
vegetative	1	2
fruiting	5	1
vegetative	1	0
vegetative	3	0
vegetative	5	3
vegetative	2	0
vegetative	8	6
vegetative	2	0
vegetative	2	0
vegetative	3	1
vegetative	7	0
vegetative	4	2
vegetative	2	0
vegetative	2	0
vegetative	4	3
vegetative	1	0
vegetative	4	1
vegetative	1	0
vegetative	4	1
vegetative	2	0
vegetative	1	1
vegetative	2	1
vegetative	5	2
vegetative	2	0
n/a	1	0
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	1	1
vegetative	1	0
vegetative	1	1
n/a	1	1
vegetative	2	0
fruiting	2	0
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	2
vegetative	2	0
vegetative	1	1
fruit droppin	1	2
n/a	1	0
fruit droppin	2	0
vegetative	1	0
vegetative	1	2
n/a	1	0
vegetative	1	0
fruiting	2	0
fruiting	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
fruiting	3	0
vegetative	4	4
vegetative	2	2
vegetative	1	0
vegetative	4	3
fruiting	5	0
fruiting	2	0
flowering	3	0
vegetative	3	4
vegetative	1	1
vegetative	1	1
vegetative	2	0
fruiting	2	1
vegetative	2	1
vegetative	3	1
vegetative	2	0
vegetative	1	2
vegetative	2	1
vegetative	1	2
fruiting	1	0
vegetative	2	2
vegetative	1	0
n/a	2	0
vegetative	1	1
vegetative	1	1
n/a	1	0
vegetative	3	5
fruiting	3	0
fruiting	1	0
vegetative	1	1
fruiting	8	2

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	2	0
vegetative	1	0
vegetative	7	1
n/a	1	0
vegetative	2	1
vegetative	2	1
vegetative	1	0
vegetative	3	0
vegetative	3	0
fruiting	1	0
vegetative	1	2
fruiting	2	0
vegetative	2	0
n/a	1	0
n/a	1	0
vegetative	1	1
vegetative	2	2
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	1	1
vegetative	4	0
n/a	1	0
n/a	1	0
vegetative	2	1
vegetative	1	1
vegetative	1	1
vegetative	2	2
vegetative	1	0
n/a	1	3
vegetative	1	0
vegetative	4	1
vegetative	2	1
n/a	1	0
n/a	1	0
fruiting	1	0
vegetative	3	1
vegetative	4	1
vegetative	2	0
vegetative	4	1
vegetative	1	0
fruiting	2	2
fruiting	4	1
vegetative	1	4
vegetative	1	0
vegetative	2	4
n/a	1	0
vegetative	4	1
vegetative	3	0
n/a	1	1
vegetative	3	2
n/a	2	0
vegetative	4	0
vegetative	1	1
n/a	1	0
fruit droppin	3	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	1
vegetative	2	2
vegetative	1	2
vegetative	1	1
n/a	1	0
n/a	1	0
fruit droppin	5	2
n/a	1	2
vegetative	4	1
vegetative	3	2
fruiting	3	1
n/a	1	0
n/a	1	0
vegetative	2	2
vegetative	1	0
vegetative	1	0
fruit droppin	10	5
vegetative	1	0
vegetative	2	2
vegetative	1	0
vegetative	2	6
vegetative	4	1
n/a	1	0
n/a	1	0
fruit droppin	2	3
vegetative	4	2
flowering	2	2
fruiting	3	2
n/a	1	1
fruiting	2	3
fruiting	4	0
fruiting	3	0
n/a	1	0
vegetative	2	1
vegetative	3	0
vegetative	1	1
fruit droppin	2	0
vegetative	5	1
fruiting	1	0
vegetative	2	1
vegetative	2	0
vegetative	4	1
vegetative	2	3
fruit droppin	8	3
fruit droppin	2	5
n/a	1	0
vegetative	4	0
vegetative	1	0
n/a	1	0
vegetative	2	0
vegetative	1	0
vegetative	1	0
vegetative	3	0
fruiting	1	0
n/a	1	0
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	1
vegetative	5	1
vegetative	3	1
vegetative	4	1
vegetative	4	2
vegetative	2	0
n/a	1	0
vegetative	7	4
vegetative	1	0
vegetative	1	0
vegetative	1	1
vegetative	12	6
fruit droppin	6	0
n/a	1	0
n/a	2	0
n/a	1	0
vegetative	7	1
vegetative	5	1
vegetative	1	0
fruiting	1	0
vegetative	3	0
vegetative	1	0
fruiting	1	0
n/a	1	0
n/a	1	0
fruit droppin	3	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
n/a	1	1
n/a	1	0
fruit droppin	1	0
fruit droppin	5	4
vegetative	1	0
fruiting	2	0
fruit droppin	1	0
n/a	1	0
fruit droppin	15	1
vegetative	5	0
fruit droppin	3	0
vegetative	2	0
n/a	1	0
fruit droppin	6	6
vegetative	2	0
vegetative	5	6
vegetative	5	0
n/a	1	0
vegetative	1	2
vegetative	1	3
vegetative	1	0
vegetative	1	2
vegetative	3	4
n/a	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
vegetative	1	0
vegetative	6	2
n/a	1	0
vegetative	2	0
n/a	1	0
vegetative	2	2
n/a	1	0
vegetative	2	0
vegetative	6	1
n/a	1	0
vegetative	2	1
vegetative	4	0
vegetative	1	0
vegetative	1	0
fruit droppin	6	1
fruit droppin	6	1
vegetative	3	1
vegetative	3	0
vegetative	1	0
n/a	1	0
fruiting	1	0
vegetative	8	2
vegetative	1	0
vegetative	2	0
vegetative	2	0
fruit droppin	5	0
vegetative	5	1
vegetative	1	3
vegetative	1	0
vegetative	3	2
vegetative	1	0
vegetative	5	1
n/a	1	0
fruit droppin	3	2
vegetative	2	0
vegetative	4	1
vegetative	3	1
vegetative	6	6
vegetative	4	2
fruit droppin	5	2
vegetative	5	1
vegetative	1	0
vegetative	3	0
vegetative	2	2
vegetative	1	0
fruiting	3	0
vegetative	1	0
fruiting	1	0
fruiting	1	0
vegetative	1	1
fruiting	4	0
n/a	1	0
fruiting	1	0
vegetative	1	0
fruiting	2	2

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	2	0
n/a	1	0
fruiting	2	0
fruiting	1	1
fruit droppin	5	0
vegetative	1	0
vegetative	2	0
fruiting	2	0
fruit droppin	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	1
fruit droppin	1	0
vegetative	1	0
n/a	1	0
vegetative	1	0
fruiting	1	0
fruiting	1	0
vegetative	5	0
vegetative	1	0
vegetative	1	0
vegetative	3	0
vegetative	1	0
vegetative	3	0
fruiting	1	0
fruiting	1	0
vegetative	1	0
fruit droppin	1	0
vegetative	4	1
vegetative	1	0
n/a	1	1
vegetative	1	0
vegetative	1	0
vegetative	2	1
vegetative	1	0
vegetative	1	0
vegetative	2	0
vegetative	2	0
vegetative	1	0
n/a	1	0
fruiting	1	0
fruiting	2	0
fruiting	1	0
fruiting	3	0
fruiting	2	1
vegetative	2	0
vegetative	2	0
vegetative	1	0
vegetative	2	0
vegetative	1	0
vegetative	5	1
vegetative	1	1
n/a	1	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	6	0
vegetative	1	1
n/a	1	1
n/a	1	0
fruiting	2	0
vegetative	1	0
n/a	1	0
vegetative	1	1
fruiting	3	0
fruiting	1	0
vegetative	1	0
vegetative	1	0
fruiting	2	0
fruiting	3	0
fruiting	3	1
fruiting	3	0
fruiting	4	0
fruiting	3	0
vegetative	3	0
vegetative	1	0
vegetative	1	1
n/a	1	0
n/a	1	0
vegetative	1	0
fruiting	2	0
fruit droppin	1	0
fruit droppin	1	0
fruiting	1	0
fruiting	4	1
vegetative	2	2
fruiting	6	0
fruiting	1	0
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	1
fruit droppin	2	1
fruit droppin	1	1
fruiting	2	1
n/a	1	1
vegetative	1	0
fruit droppin	2	0
vegetative	2	0
fruiting	1	1
fruiting	3	0
vegetative	1	0
vegetative	4	0
vegetative	1	0
vegetative	2	1
fruit droppin	1	0
fruiting	1	0
vegetative	8	1
fruiting	2	4
n/a	1	1
fruiting	3	1
fruiting	2	0

DBH: diameter at breast height; ft: feet
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b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
fruiting	1	0
vegetative	5	0
vegetative	1	0
vegetative	3	0
vegetative	3	0
vegetative	1	0
vegetative	4	0
vegetative	1	0
fruiting	1	0
fruiting	2	0
fruiting	5	0
vegetative	1	0
vegetative	2	0
fruiting	1	0
fruiting	2	0
vegetative	4	1
vegetative	3	0
vegetative	1	0
vegetative	1	0
vegetative	2	0
vegetative	1	1
vegetative	1	0
fruiting	2	0
vegetative	1	0
vegetative	2	0
vegetative	2	1
vegetative	1	0
vegetative	2	0
vegetative	1	2
vegetative	1	0
vegetative	7	1
fruiting	7	1
vegetative	1	0
vegetative	2	0
vegetative	6	0
fruiting	2	0
fruiting	3	0
fruiting	5	1
n/a	1	0
vegetative	1	0
vegetative	3	0
fruiting	5	0
vegetative	3	0
vegetative	2	1
vegetative	1	0
vegetative	1	0
vegetative	2	0
fruiting	2	1
fruiting	3	0
vegetative	1	0
fruiting	3	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
vegetative	5	0
vegetative	1	0
vegetative	5	0
vegetative	4	0
vegetative	3	1
vegetative	2	0
vegetative	2	0
fruiting	4	0
vegetative	1	1
vegetative	2	0
vegetative	6	0
fruiting	3	0
vegetative	2	1
fruiting	4	0
fruiting	1	0
vegetative	2	0
vegetative	4	0
fruiting	4	1
vegetative	1	0
vegetative	1	0
fruiting	1	1
vegetative	1	0
vegetative	1	1
fruiting	8	1
vegetative	1	1
vegetative	1	0
fruiting	2	0
n/a	1	0
fruiting	2	1
vegetative	2	1
fruiting	4	1
vegetative	2	0
fruiting	2	0
flowering	4	0
fruit droppin	3	0
fruiting	1	0
fruiting	4	0
fruiting	5	1
vegetative	1	0
vegetative	3	0
vegetative	8	1
vegetative	5	0
vegetative	5	1
vegetative	7	1
fruiting	5	0
fruiting	3	1
fruiting	1	0
vegetative	1	0
fruiting	4	1
vegetative	4	1
vegetative	2	1
vegetative	2	0
fruiting	2	1
n/a	1	0
vegetative	3	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
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CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	2	0
vegetative	1	0
vegetative	2	0
fruiting	3	0
fruiting	3	0
vegetative	6	1
vegetative	2	0
fruiting	3	0
vegetative	2	0
fruiting	1	0
n/a	1	0
vegetative	8	0
vegetative	3	0
vegetative	1	0
fruiting	1	0
vegetative	2	0
vegetative	1	0
vegetative	1	0
fruit droppin	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
fruiting	6	0
n/a	1	0
fruiting	2	0
n/a	1	0
n/a	1	0
fruiting	1	0
fruiting	3	0
n/a	1	2
fruiting	2	0
flowering	3	0
flowering	2	0
n/a	1	0
fruit droppin	1	1
vegetative	2	0
n/a	1	0
vegetative	1	0
vegetative	1	1
n/a	1	0
vegetative	1	0
vegetative	1	0
fruiting	1	0
fruiting	2	0
vegetative	1	1
fruiting	2	0
fruiting	1	0
fruiting	1	0
fruiting	1	0
vegetative	3	0
fruiting	4	1
vegetative	2	0
vegetative	1	0
fruiting	5	0
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
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CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	5	1
n/a	1	0
vegetative	1	0
vegetative	2	1
vegetative	4	0
vegetative	5	0
fruiting	4	2
fruiting	8	0
vegetative	1	0
fruit droppin	2	1
vegetative	2	0
vegetative	6	0
vegetative	1	3
vegetative	1	1
vegetative	1	1
flowering	1	0
vegetative	2	2
vegetative	1	2
fruiting	1	1
fruiting	6	0
fruiting	7	0
fruiting	5	0
fruiting	9	0
fruiting	3	2
fruiting	1	1
vegetative	2	0
vegetative	4	1
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	1
flowering	1	0
vegetative	2	0
vegetative	1	1
vegetative	3	0
vegetative	1	0
vegetative	1	0
fruiting	3	1
fruiting	1	1
fruiting	3	0
fruiting	1	2
fruiting	2	0
vegetative	1	0
vegetative	2	0
fruiting	2	1
fruiting	1	0
vegetative	1	0
vegetative	2	0
vegetative	2	0
vegetative	4	0
vegetative	1	0
vegetative	2	0
vegetative	1	0
vegetative	5	1
vegetative	2	0
vegetative	2	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
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CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
vegetative	4	1
fruiting	2	0
n/a	1	1
vegetative	1	0
vegetative	1	0
fruiting	1	0
vegetative	1	0
fruiting	6	0
flowering	2	1
vegetative	1	1
vegetative	1	0
fruiting	2	0
vegetative	3	0
fruiting	4	2
fruiting	3	0
fruiting	1	0
fruiting	2	0
fruiting	1	0
flowering	4	0
fruiting	3	1
vegetative	5	0
vegetative	1	1
vegetative	3	1
vegetative	3	0
vegetative	2	0
vegetative	4	0
vegetative	1	0
fruiting	2	0
n/a	1	0
vegetative	1	0
fruiting	4	0
fruiting	1	0
vegetative	1	0
vegetative	1	0
vegetative	3	1
vegetative	2	1
vegetative	1	2
vegetative	4	0
fruiting	2	1
fruiting	9	0
vegetative	2	0
fruiting	7	1
fruiting	6	3
vegetative	2	0
vegetative	1	3
fruiting	5	2
fruiting	6	2
vegetative	4	0
flowering	7	0
vegetative	4	1
vegetative	1	0
fruiting	4	0
vegetative	3	0
fruiting	4	0
fruit droppin	2	1

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CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	3	1
fruiting	3	0
fruiting	1	0
vegetative	1	1
fruit droppin	1	0
vegetative	1	0
fruit droppin	2	0
n/a	1	0
n/a	1	0
vegetative	7	1
fruiting	1	0
vegetative	8	1
vegetative	2	0
fruiting	1	0
vegetative	1	1
fruiting	4	1
fruiting	2	0
fruit droppin	4	0
fruit droppin	5	0
fruit droppin	4	1
vegetative	4	1
vegetative	5	1
fruiting	2	0
vegetative	5	0
vegetative	1	1
vegetative	3	1
vegetative	1	0
vegetative	1	2
vegetative	1	1
vegetative	3	0
vegetative	5	1
n/a	1	1
vegetative	1	0
n/a	1	2
vegetative	1	0
n/a	1	2
fruiting	1	0
fruiting	1	1
fruiting	4	0
vegetative	2	1
vegetative	2	0
fruit droppin	2	0
vegetative	2	1
fruiting	3	1
fruiting	5	0
vegetative	3	0
vegetative	1	0
fruiting	7	0
fruiting	6	0
vegetative	3	0
vegetative	7	2
vegetative	2	0
fruiting	2	0
vegetative	2	1
vegetative	3	0
fruiting	5	0

DBH: diameter at breast height; ft: feet
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CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	4	0
vegetative	2	1
vegetative	1	0
n/a	1	0
vegetative	3	1
vegetative	1	1
fruiting	3	2
fruiting	2	0
n/a	1	0
vegetative	1	1
vegetative	1	0
vegetative	2	0
vegetative	4	1
fruiting	1	0
vegetative	2	0
vegetative	2	1
vegetative	2	0
vegetative	1	1
vegetative	1	1
vegetative	4	1
flowering	1	0
fruiting	3	0
vegetative	1	1
vegetative	3	0
vegetative	1	0
fruiting	1	1
vegetative	2	1
vegetative	1	0
vegetative	1	0
vegetative	1	1
vegetative	1	2
fruiting	1	1
vegetative	2	0
n/a	1	0
fruiting	10	2
vegetative	1	1
vegetative	1	0
n/a	1	1
n/a	1	1
n/a	1	0
fruit droppin	2	0
vegetative	1	0
n/a	1	1
n/a	1	0
fruiting	1	0
vegetative	1	0
vegetative	2	0
fruiting	1	1
vegetative	1	0
vegetative	1	2
vegetative	1	0
fruit droppin	3	2
vegetative	2	0
fruit droppin	1	0
vegetative	4	2
fruit droppin	4	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	1
vegetative	2	4
fruiting	1	2
vegetative	2	0
vegetative	2	0
vegetative	1	0
vegetative	1	0
n/a	1	1
vegetative	1	0
vegetative	1	1
n/a	1	0
vegetative	1	2
n/a	1	0
n/a	1	0
vegetative	1	0
fruit droppin	3	1
n/a	1	1
vegetative	1	0
n/a	1	4
vegetative	1	0
vegetative	3	0
fruit droppin	1	1
n/a	1	1
fruit droppin	1	0
fruit droppin	1	0
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
vegetative	2	1
fruit droppin	1	0
vegetative	2	0
vegetative	2	3
fruiting	4	3
fruit droppin	1	0
vegetative	2	0
vegetative	1	2
vegetative	1	0
vegetative	1	3
vegetative	7	1
fruit droppin	2	1
vegetative	2	3
fruit droppin	6	3
vegetative	1	0
fruiting	2	1
vegetative	5	3
fruiting	5	2
vegetative	1	2
fruiting	7	2
n/a	1	0
vegetative	2	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruit droppin	1	0
vegetative	1	0
fruit droppin	2	0
n/a	1	0
n/a	1	1
vegetative	10	3
vegetative	6	5
vegetative	4	3
fruit droppin	6	4
fruit droppin	2	1
fruit droppin	4	0
fruit droppin	1	0
vegetative	2	1
vegetative	3	0
vegetative	1	1
vegetative	1	1
vegetative	1	2
vegetative	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
fruit droppin	3	1
n/a	1	0
vegetative	2	0
vegetative	1	0
vegetative	1	0
vegetative	1	3
n/a	1	1
n/a	1	0
vegetative	5	5
fruiting	1	1
n/a	1	1
vegetative	1	0
vegetative	1	1
n/a	1	3
vegetative	2	2
vegetative	3	3
n/a	1	0
vegetative	2	1
vegetative	5	0
n/a	1	9
vegetative	3	2
vegetative	1	0
vegetative	2	0
vegetative	2	7
fruit droppin	4	3
fruiting	3	1
n/a	1	2
fruiting	4	3
fruiting	3	1
flowering	1	0
n/a	1	2

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruit droppin	1	0
vegetative	5	2
n/a	1	0
n/a	1	2
n/a	1	0
fruit droppin	1	4
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	4
vegetative	3	4
fruit droppin	6	5
fruit droppin	4	5
n/a	1	0
vegetative	1	1
fruit droppin	2	1
vegetative	2	0
vegetative	1	4
fruiting	1	0
fruit droppin	1	0
fruit droppin	2	0
vegetative	1	0
n/a	1	0
vegetative	3	1
vegetative	2	2
vegetative	1	0
vegetative	5	5
n/a	1	0
fruiting	1	3
n/a	1	0
vegetative	1	1
vegetative	2	3
fruit droppin	1	2
vegetative	1	1
vegetative	2	0
vegetative	1	2
vegetative	2	1
fruit droppin	2	0
vegetative	2	0
vegetative	1	1
vegetative	1	0
vegetative	3	0
n/a	1	1
vegetative	3	1
vegetative	1	0
vegetative	1	0
vegetative	4	1
vegetative	1	0
vegetative	1	2
vegetative	2	2
vegetative	1	2
vegetative	1	3
vegetative	2	3
n/a	1	1
fruit droppin	2	3
vegetative	1	2

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruit droppin	2	1
fruit droppin	2	0
vegetative	1	2
vegetative	1	1
vegetative	5	0
vegetative	1	0
vegetative	2	3
vegetative	3	2
vegetative	3	0
fruiting	5	0
vegetative	2	1
fruiting	1	0
fruit droppin	5	1
vegetative	3	4
fruit droppin	3	4
vegetative	1	0
vegetative	1	1
fruit droppin	4	2
fruit droppin	1	0
n/a	1	2
vegetative	1	0
vegetative	1	0
fruit droppin	1	3
n/a	1	0
vegetative	1	3
fruit droppin	3	0
vegetative	1	0
fruit droppin	2	0
vegetative	4	3
vegetative	1	1
vegetative	4	3
vegetative	3	2
vegetative	1	0
vegetative	6	0
vegetative	1	0
vegetative	2	0
vegetative	2	3
vegetative	1	1
vegetative	2	0
vegetative	1	0
vegetative	2	1
vegetative	6	1
vegetative	2	1
n/a	1	0
vegetative	2	0
vegetative	2	2
vegetative	4	0
vegetative	1	1
vegetative	1	0
fruit droppin	4	2
n/a	1	1
vegetative	2	0
vegetative	1	0
vegetative	1	2
vegetative	2	0
vegetative	3	3

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruit droppin	3	1
vegetative	2	2
vegetative	1	0
fruit droppin	3	1
fruit droppin	5	3
vegetative	1	1
n/a	1	4
n/a	1	0
vegetative	4	1
vegetative	2	1
vegetative	1	0
vegetative	2	0
fruit droppin	2	1
vegetative	1	1
vegetative	1	1
n/a	1	0
vegetative	1	1
vegetative	3	2
vegetative	1	0
n/a	1	0
n/a	1	0
fruit droppin	2	2
fruiting	1	0
vegetative	5	3
fruit droppin	5	0
fruiting	1	0
n/a	1	0
fruit droppin	2	0
vegetative	2	3
vegetative	4	0
vegetative	1	0
vegetative	2	1
vegetative	2	0
vegetative	1	1
fruiting	4	1
vegetative	2	2
n/a	1	0
fruit droppin	22	0
fruit droppin	1	0
vegetative	2	0
vegetative	5	5
fruit droppin	8	2
vegetative	2	0
vegetative	3	0
fruit droppin	5	0
vegetative	2	1
vegetative	6	0
vegetative	4	1
vegetative	1	0
fruit droppin	6	4
vegetative	1	0
vegetative	1	0
flowering	1	3
n/a	1	0
fruit droppin	3	0
fruit droppin	9	0

DBH: diameter at breast height; ft: feet
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b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
fruit droppin	4	1
vegetative	6	4
vegetative	1	0
vegetative	6	6
vegetative	2	2
vegetative	1	5
vegetative	1	0
n/a	1	0
vegetative	1	1
vegetative	2	0
n/a	1	0
vegetative	4	2
vegetative	1	1
n/a	1	1
n/a	1	2
vegetative	2	0
vegetative	2	0
n/a	1	0
vegetative	1	0
vegetative	6	4
vegetative	3	0
vegetative	4	1
vegetative	1	1
n/a	1	0
vegetative	4	1
vegetative	1	0
vegetative	5	0
vegetative	5	1
vegetative	2	0
vegetative	1	0
vegetative	6	1
vegetative	3	1
vegetative	4	0
vegetative	2	2
n/a	1	4
vegetative	1	0
vegetative	4	0
vegetative	3	0
vegetative	1	2
vegetative	3	8
vegetative	1	2
vegetative	1	4
vegetative	1	1
n/a	1	0
vegetative	1	1
vegetative	3	3
vegetative	1	4
vegetative	1	0
n/a	1	0
vegetative	3	6
n/a	1	1
n/a	1	1
vegetative	1	0
vegetative	2	0
vegetative	1	2

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	2	1
n/a	1	1
vegetative	4	3
n/a	1	2
vegetative	2	0
vegetative	6	0
vegetative	4	0
vegetative	2	0
vegetative	2	0
vegetative	1	0
vegetative	3	0
fruit droppin	6	0
vegetative	2	0
fruit droppin	4	0
vegetative	3	0
vegetative	1	0
fruit droppin	1	1
vegetative	1	0
fruit droppin	8	3
vegetative	7	1
vegetative	7	3
fruit droppin	1	0
vegetative	2	0
n/a	1	0
vegetative	3	3
vegetative	1	2
vegetative	3	1
vegetative	1	0
vegetative	1	0
fruit droppin	6	1
n/a	1	1
vegetative	4	0
n/a	1	0
fruit droppin	1	1
fruit droppin	4	0
fruiting	2	0
vegetative	4	0
n/a	1	2
fruiting	8	3
vegetative	4	2
vegetative	3	2
vegetative	2	2
n/a	1	0
vegetative	2	1
vegetative	1	1
vegetative	1	0
fruit droppin	1	0
fruiting	1	1
vegetative	1	0
fruit droppin	4	6
vegetative	1	0
vegetative	5	0
fruit droppin	1	0
n/a	1	0
n/a	1	0
vegetative	3	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	1
vegetative	1	1
vegetative	1	1
vegetative	2	2
vegetative	4	2
vegetative	2	0
vegetative	1	0
vegetative	1	2
n/a	1	1
fruiting	1	0
vegetative	3	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
n/a	2	0
fruiting	1	1
fruiting	1	0
n/a	1	0
vegetative	1	1
vegetative	1	0
n/a	1	0
vegetative	1	0
vegetative	3	0
n/a	1	0
n/a	1	0
vegetative	5	0
vegetative	2	0
fruit droppin	4	1
vegetative	1	0
vegetative	3	2
n/a	1	0
fruit droppin	2	4
vegetative	1	1
vegetative	2	4
vegetative	1	1
vegetative	1	6
vegetative	2	2
n/a	1	1
vegetative	8	2
vegetative	5	2
vegetative	6	2
vegetative	1	0
fruiting	2	0
vegetative	3	1
vegetative	2	0
vegetative	1	0
n/a	1	0
n/a	1	4
vegetative	3	1
vegetative	1	0
vegetative	1	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	6	2
vegetative	1	0
vegetative	1	0
vegetative	1	3
fruit droppin	3	4
vegetative	1	2
n/a	1	0
vegetative	2	5
vegetative	6	0
vegetative	1	0
vegetative	1	0
n/a	1	3
n/a	1	1
n/a	1	2
vegetative	3	3
vegetative	1	1
vegetative	3	0
vegetative	2	1
n/a	1	2
n/a	1	1
vegetative	1	1
n/a	1	3
vegetative	2	1
vegetative	1	2
vegetative	1	0
vegetative	2	1
vegetative	2	3
vegetative	1	1
vegetative	3	1
vegetative	1	1
vegetative	1	1
n/a	1	0
vegetative	1	0
vegetative	2	2
vegetative	4	0
vegetative	4	1
vegetative	1	4
vegetative	2	1
vegetative	3	2
vegetative	3	1
vegetative	2	0
vegetative	4	0
vegetative	2	1
vegetative	1	0
vegetative	2	1
vegetative	3	1
n/a	1	0
vegetative	4	1
vegetative	1	1
fruit droppin	1	1
vegetative	1	2
vegetative	2	1
vegetative	1	0
vegetative	1	2
vegetative	2	3
n/a	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
fruit droppin	2	1
vegetative	5	1
vegetative	1	1
n/a	1	0
n/a	1	0
vegetative	6	1
n/a	1	0
fruit droppin	2	6
vegetative	2	4
n/a	1	2
fruit droppin	2	4
vegetative	6	3
n/a	1	0
fruiting	3	2
fruiting	2	4
vegetative	3	4
vegetative	2	4
vegetative	2	3
vegetative	1	0
n/a	1	0
vegetative	3	0
vegetative	3	4
vegetative	1	0
vegetative	2	0
vegetative	3	4
vegetative	1	0
vegetative	3	2
vegetative	5	2
vegetative	2	0
vegetative	1	0
vegetative	2	1
vegetative	6	2
vegetative	1	0
vegetative	1	4
vegetative	1	0
vegetative	1	1
vegetative	3	3
vegetative	1	0
vegetative	1	1
vegetative	1	0
vegetative	1	1
vegetative	2	1
vegetative	2	2
vegetative	1	0
vegetative	5	3
vegetative	1	2
vegetative	3	1
vegetative	3	1
vegetative	1	0
n/a	1	0
vegetative	3	2
vegetative	4	0
vegetative	1	1
vegetative	1	0
vegetative	2	2

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	2
vegetative	2	1
n/a	1	1
vegetative	1	4
vegetative	1	3
vegetative	2	0
vegetative	2	1
vegetative	2	1
vegetative	1	0
vegetative	2	1
vegetative	2	2
vegetative	2	3
vegetative	1	0
vegetative	1	0
n/a	1	2
vegetative	1	0
n/a	1	2
n/a	1	0
vegetative	1	3
vegetative	2	1
vegetative	1	0
vegetative	2	1
vegetative	5	0
vegetative	1	1
vegetative	1	0
vegetative	3	1
vegetative	1	4
vegetative	2	3
fruit droppin	1	2
vegetative	1	0
n/a	1	0
fruit droppin	2	0
vegetative	2	0
vegetative	2	2
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	2	0
n/a	1	0
vegetative	1	1
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	2	0
n/a	1	0
vegetative	1	1
vegetative	1	3
fruit droppin	1	0
vegetative	2	0
vegetative	1	1
vegetative	1	2
n/a	1	0
vegetative	1	0
n/a	1	0
vegetative	2	4
vegetative	1	3

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
vegetative	3	0
vegetative	2	0
fruit droppin	1	1
fruit droppin	4	1
fruiting	4	1
vegetative	1	2
vegetative	1	0
n/a	1	0
fruit droppin	4	1
vegetative	1	0
vegetative	1	2
vegetative	1	0
vegetative	2	0
n/a	1	0
n/a	1	3
n/a	1	2
fruit droppin	1	1
fruit droppin	4	1
vegetative	1	0
fruit droppin	3	0
fruit droppin	1	0
fruit droppin	5	0
fruit droppin	5	2
vegetative	1	0
fruit droppin	3	0
vegetative	2	1
fruit droppin	4	2
vegetative	1	0
vegetative	1	1
vegetative	4	0
vegetative	2	0
fruit droppin	5	4
vegetative	2	0
vegetative	1	3
n/a	1	0
vegetative	3	0
vegetative	3	4
vegetative	2	0
n/a	4	0
n/a	1	2
n/a	1	0
vegetative	1	0
n/a	1	0
vegetative	3	3
vegetative	6	0
vegetative	3	1
vegetative	2	0
vegetative	3	2
vegetative	1	0
n/a	1	0
vegetative	1	3
vegetative	4	1
vegetative	4	2
vegetative	1	0
vegetative	4	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	5	2
vegetative	5	0
vegetative	4	2
vegetative	5	2
vegetative	2	1
vegetative	2	0
vegetative	1	1
vegetative	1	0
vegetative	2	1
vegetative	3	0
vegetative	3	3
vegetative	4	0
n/a	1	0
vegetative	4	1
fruit droppin	3	2
fruit droppin	1	0
n/a	1	0
fruit droppin	5	2
vegetative	4	1
fruit droppin	2	2
n/a	2	0
vegetative	2	0
vegetative	2	0
vegetative	2	0
vegetative	2	2
vegetative	1	0
vegetative	2	0
vegetative	1	1
fruit droppin	1	0
n/a	1	0
vegetative	1	1
vegetative	2	0
vegetative	2	0
vegetative	1	0
vegetative	1	1
vegetative	1	4
vegetative	2	2
vegetative	1	0
n/a	1	0
vegetative	1	1
vegetative	1	0
vegetative	2	0
vegetative	3	0
vegetative	1	0
vegetative	3	2
n/a	1	0
vegetative	3	3
n/a	1	0
vegetative	2	3
vegetative	1	0
vegetative	1	1
n/a	1	1
n/a	1	0
vegetative	1	2
vegetative	1	1
vegetative	3	2

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	3	1
vegetative	2	0
vegetative	1	1
vegetative	4	1
vegetative	2	2
vegetative	1	1
vegetative	1	1
fruiting	2	1
n/a	1	1
vegetative	1	1
vegetative	2	1
vegetative	4	1
vegetative	2	0
vegetative	6	0
n/a	1	0
fruit droppin	2	2
vegetative	1	4
vegetative	1	2
vegetative	5	1
fruit droppin	2	1
vegetative	1	2
fruiting	3	4
n/a	1	3
vegetative	1	3
n/a	1	1
n/a	1	1
vegetative	2	0
vegetative	1	0
fruiting	4	0
vegetative	1	0
vegetative	3	2
vegetative	1	1
vegetative	2	4
vegetative	4	0
vegetative	1	0
vegetative	5	0
n/a	1	0
vegetative	1	1
n/a	1	1
vegetative	1	1
vegetative	1	1
fruiting	1	0
n/a	1	1
vegetative	1	0
n/a	1	0
vegetative	4	2
vegetative	1	0
vegetative	1	0
vegetative	1	1
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	1	1
n/a	1	0
n/a	1	2

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	1
vegetative	1	0
vegetative	2	0
vegetative	2	0
fruit droppin	2	0
n/a	1	2
n/a	1	1
vegetative	5	0
fruit droppin	1	1
vegetative	2	0
vegetative	2	0
fruit droppin	1	1
vegetative	1	0
vegetative	1	0
vegetative	1	1
vegetative	1	0
n/a	1	4
vegetative	2	1
vegetative	1	0
vegetative	2	0
vegetative	1	0
n/a	1	0
vegetative	1	0
vegetative	2	0
n/a	1	2
vegetative	1	1
vegetative	3	1
n/a	1	0
vegetative	2	1
vegetative	2	0
vegetative	2	0
vegetative	2	0
vegetative	3	0
vegetative	1	0
vegetative	5	0
vegetative	8	0
vegetative	1	0
vegetative	7	1
vegetative	1	0
vegetative	2	0
vegetative	1	0
vegetative	2	0
flowering	1	0
vegetative	0	0
vegetative	0	0
vegetative	0	0
n/a	0	0
n/a	0	0
vegetative	1	0
vegetative	1	0
vegetative	0	0
vegetative	5	2
fruit droppin	2	0
n/a	1	0
vegetative	1	0
n/a	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	1
vegetative	3	0
vegetative	1	0
fruiting	5	2
fruiting	3	1
fruiting	1	0
vegetative	1	0
vegetative	1	0
fruiting	2	0
vegetative	1	0
fruiting	1	0
vegetative	4	0
fruiting	5	0
fruiting	2	0
vegetative	1	0
vegetative	2	2
n/a	1	0
vegetative	1	0
vegetative	5	1
vegetative	1	0
vegetative	1	0
vegetative	1	0
fruiting	1	1
fruiting	2	1
vegetative	1	0
vegetative	1	0
n/a	1	0
vegetative	1	1
fruiting	2	0
fruiting	1	0
n/a	1	0
n/a	1	0
n/a	1	0
fruiting	2	0
fruiting	1	0
fruiting	2	0
fruiting	2	0
fruiting	1	0
vegetative	1	0
vegetative	2	0
vegetative	2	1
vegetative	2	0
fruiting	2	1
vegetative	1	0
vegetative	1	0
vegetative	2	1
n/a	1	0
fruiting	1	0
vegetative	2	0
fruiting	1	1
vegetative	3	1
vegetative	1	0
vegetative	2	1
vegetative	5	1
fruiting	7	0
vegetative	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
vegetative	4	1
vegetative	2	0
vegetative	2	0
vegetative	1	0
fruiting	3	0
vegetative	4	0
vegetative	3	1
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	2	0
fruiting	1	0
vegetative	1	0
vegetative	1	2
fruiting	3	0
vegetative	4	0
vegetative	5	1
vegetative	1	0
fruit droppin	1	0
vegetative	1	0
vegetative	1	1
fruiting	2	0
n/a	1	0
vegetative	1	0
fruiting	1	1
fruiting	1	0
fruit droppin	4	1
fruiting	3	0
vegetative	2	1
vegetative	4	1
vegetative	5	0
fruiting	2	0
fruiting	2	2
vegetative	1	2
vegetative	1	0
vegetative	2	1
n/a	1	0
fruiting	1	0
fruiting	1	0
n/a	1	0
vegetative	1	0
fruiting	5	1
fruit droppin	5	1
vegetative	2	0
n/a	1	0
fruiting	4	1
vegetative	3	0
fruiting	9	1
vegetative	1	0
fruiting	1	0
vegetative	2	1
n/a	1	0
fruit droppin	4	0
vegetative	1	0
fruiting	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	2	1
fruiting	1	0
fruiting	2	0
vegetative	2	1
vegetative	2	1
vegetative	2	0
vegetative	4	1
vegetative	7	1
vegetative	5	1
vegetative	5	1
vegetative	2	0
vegetative	1	0
fruiting	6	0
vegetative	2	0
fruiting	2	1
vegetative	1	1
vegetative	3	0
fruiting	5	0
vegetative	2	0
fruiting	5	0
fruiting	5	1
vegetative	1	0
vegetative	2	0
fruiting	1	0
vegetative	2	0
vegetative	1	0
vegetative	3	0
fruiting	2	1
vegetative	6	0
fruiting	2	0
n/a	1	0
vegetative	1	0
vegetative	2	0
n/a	1	0
vegetative	2	0
fruiting	4	1
vegetative	1	1
vegetative	2	1
vegetative	3	0
fruiting	1	0
vegetative	1	2
fruiting	2	0
fruiting	2	1
fruiting	3	1
fruiting	1	0
vegetative	1	1
vegetative	2	1
vegetative	2	0
vegetative	1	2
vegetative	1	0
vegetative	1	0
vegetative	4	0
vegetative	1	0
vegetative	1	2
vegetative	1	0
vegetative	4	3

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	3	0
vegetative	1	0
vegetative	1	0
fruiting	4	1
fruiting	2	0
vegetative	2	0
vegetative	6	0
vegetative	1	0
fruit droppin	3	0
vegetative	5	1
vegetative	2	0
vegetative	2	0
vegetative	1	1
vegetative	1	0
vegetative	1	0
vegetative	1	0
flowering	4	0
n/a	1	1
vegetative	3	0
fruiting	5	0
vegetative	6	0
vegetative	1	2
vegetative	4	1
vegetative	2	0
vegetative	3	2
fruiting	1	0
vegetative	1	2
vegetative	1	1
vegetative	1	0
fruiting	2	1
vegetative	2	1
vegetative	3	0
vegetative	1	0
vegetative	1	0
fruiting	1	1
n/a	1	0
fruiting	2	0
fruit droppin	2	0
vegetative	1	2
fruiting	1	0
vegetative	5	1
fruit droppin	1	1
n/a	1	0
fruiting	1	0
fruit droppin	1	1
fruiting	1	1
fruit droppin	2	0
vegetative	3	2
fruiting	2	2
vegetative	1	0
fruiting	1	0
vegetative	2	0
fruiting	3	0
fruiting	1	1
vegetative	1	0
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruit droppin	3	1
vegetative	3	2
fruit droppin	3	1
vegetative	1	1
vegetative	2	0
vegetative	1	0
fruiting	1	1
fruiting	2	0
fruiting	1	0
vegetative	1	0
fruit droppin	3	0
fruiting	5	0
vegetative	1	0
vegetative	1	0
vegetative	1	2
fruiting	4	2
vegetative	4	0
fruiting	1	1
fruiting	2	1
n/a	1	0
flowering	1	0
vegetative	3	1
vegetative	4	4
fruiting	1	0
vegetative	1	0
fruiting	2	1
n/a	1	0
vegetative	1	1
vegetative	1	0
flowering	3	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	1	0
fruiting	6	2
vegetative	3	2
fruiting	3	2
fruiting	1	0
fruiting	1	0
fruiting	1	1
fruiting	2	1
fruit droppin	1	1
vegetative	1	0
n/a	1	0
fruit droppin	1	2
vegetative	2	0
vegetative	1	0
fruiting	3	0
vegetative	2	2
fruiting	1	0
vegetative	4	1
fruit droppin	2	1
n/a	1	2
fruit droppin	4	1
fruit droppin	1	0
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
fruiting	3	1
fruit droppin	1	0
fruit droppin	1	0
fruit droppin	2	1
fruiting	3	1
fruiting	1	0
n/a	1	0
fruit droppin	1	0
fruit droppin	1	0
vegetative	1	2
vegetative	2	0
vegetative	1	0
n/a	1	0
vegetative	2	1
vegetative	1	0
vegetative	2	0
vegetative	2	0
fruiting	1	0
vegetative	2	0
vegetative	2	0
fruiting	1	0
fruiting	5	1
fruit droppin	3	0
vegetative	5	2
fruit droppin	2	0
vegetative	3	1
vegetative	6	3
vegetative	1	1
fruit droppin	2	0
vegetative	2	0
vegetative	3	1
vegetative	6	3
n/a	1	5
fruiting	4	0
vegetative	5	1
vegetative	2	2
vegetative	1	1
vegetative	6	1
n/a	1	0
vegetative	1	1
vegetative	2	1
flowering	4	4
vegetative	1	2
fruiting	10	2
vegetative	3	1
vegetative	2	0
vegetative	1	1
fruiting	6	3
vegetative	6	2
vegetative	6	3
n/a	1	1
vegetative	4	1
vegetative	1	0
vegetative	2	0
fruiting	5	0
vegetative	2	2

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	0
n/a	1	0
fruiting	1	0
vegetative	5	2
vegetative	2	0
vegetative	9	0
vegetative	4	2
vegetative	3	1
vegetative	1	1
vegetative	10	4
n/a	1	0
vegetative	2	1
fruit droppin	3	2
flowering	2	2
n/a	1	0
vegetative	2	0
fruiting	1	0
vegetative	1	0
vegetative	1	0
vegetative	3	1
vegetative	4	0
n/a	1	0
vegetative	2	0
vegetative	2	2
vegetative	1	0
vegetative	1	1
vegetative	2	0
vegetative	1	0
vegetative	1	0
vegetative	1	2
vegetative	3	0
vegetative	3	1
vegetative	2	2
vegetative	2	4
vegetative	1	0
vegetative	1	0
n/a	1	2
vegetative	1	0
fruiting	1	2
vegetative	1	0
vegetative	1	0
fruit droppin	1	0
vegetative	3	0
vegetative	1	0
fruiting	2	0
fruiting	1	0
vegetative	2	1
fruiting	5	0
vegetative	4	2
n/a	1	1
flowering	1	0
n/a	1	0
vegetative	1	1
vegetative	3	1
vegetative	3	1
fruiting	5	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	1	2
vegetative	2	0
vegetative	1	0
vegetative	2	4
vegetative	1	1
vegetative	1	1
vegetative	4	2
vegetative	1	1
fruiting	1	1
vegetative	2	2
vegetative	1	1
flowering	1	0
vegetative	1	1
vegetative	1	2
vegetative	5	1
fruiting	1	1
flowering	1	1
vegetative	1	0
vegetative	1	1
fruiting	3	1
fruiting	1	2
fruiting	3	1
fruit droppin	3	1
flowering	1	0
vegetative	1	0
fruit droppin	1	0
fruit droppin	2	1
vegetative	1	0
vegetative	2	2
fruit droppin	2	1
n/a	1	0
n/a	1	0
vegetative	1	1
vegetative	1	1
fruiting	1	0
vegetative	2	0
vegetative	1	0
fruiting	1	2
vegetative	1	0
n/a	1	0
fruit droppin	2	1
vegetative	1	0
vegetative	2	0
fruit droppin	2	0
n/a	1	1
vegetative	1	0
flowering	3	3
vegetative	1	0
vegetative	2	0
vegetative	2	1
n/a	1	1
fruiting	4	3
fruit droppin	1	1
vegetative	1	2
fruit droppin	7	0
vegetative	1	1

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
vegetative	3	2
vegetative	4	1
vegetative	1	0
vegetative	1	2
vegetative	4	1
vegetative	1	0
vegetative	1	0
fruiting	1	0
vegetative	1	0
vegetative	1	1
vegetative	1	0
vegetative	1	1
vegetative	1	0
vegetative	2	1
n/a	1	0
vegetative	2	2
vegetative	1	0
vegetative	1	0
vegetative	1	0
vegetative	5	1
fruit droppin	1	0
vegetative	1	1
vegetative	3	0
n/a	1	0
vegetative	2	1
vegetative	1	2
vegetative	1	0
fruit droppin	3	0
fruit droppin	1	0
n/a	1	0
n/a	1	0
fruit droppin	1	0
vegetative	1	1
vegetative	1	0
n/a	1	0
fruit droppin	1	0
n/a	1	1
n/a	1	0
vegetative	2	1
n/a	1	0
vegetative	1	0
n/a	1	1
vegetative	1	1
n/a	1	0
n/a	1	1
n/a	1	2
n/a	1	0
vegetative	1	0
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
vegetative	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
vegetative	1	2
n/a	3	0
n/a	1	0
vegetative	1	0
vegetative	2	0
n/a	1	0
vegetative	3	1
n/a	1	0
fruit droppin	1	0
vegetative	3	0
vegetative	1	1
vegetative	2	0
vegetative	3	1
vegetative	1	0
vegetative	1	0
n/a	2	0
n/a	1	0
n/a	1	2
vegetative	2	1
fruit droppin	1	1
vegetative	1	0
n/a	1	0
n/a	1	0
n/a	1	0
fruit droppin	5	2
vegetative	8	5
fruiting	4	3
n/a	1	0
vegetative	5	4
n/a	1	0
n/a	1	0
vegetative	1	1
vegetative	5	1
vegetative	3	0
fruit droppin	10	1
vegetative	2	1
vegetative	3	1
vegetative	3	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	2	0
vegetative	1	0
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	2	0
fruit droppin	5	1
n/a	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
vegetative	2	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

CUMULATIVE TREE SURVEY DATA

Phenology	Clonal Trunks (living)	Dead Trees in Colony
n/a	1	0
n/a	1	0
n/a	1	0
vegetative	1	0
vegetative	5	1
vegetative	1	0
vegetative	1	0
vegetative	4	0
n/a	1	0
vegetative	1	0
vegetative	1	0
n/a	1	0
vegetative	1	0
n/a	1	0
vegetative	1	0
n/a	2	0
fruiting	5	2
vegetative	1	0
n/a	1	0
vegetative	1	0

DBH: diameter at breast height; ft: feet
a Spread refers to the width of the crown of the tree at the widest point.
b Refer to Table 1 of the Joshua Tree Survey Report for a description of health ratings.

APPENDIX E

DESERT TORTOISE SURVEY REPORT



September 21, 2022

Tracy Zinn
T&B Planning
3200 El Camino Real, Suite 100
Irvine, CA 92602

SUBJECT: Results of a Focused Desert Tortoise Survey Conducted for the Antelope Valley Commerce Center Project, Located in the City of Palmdale, Los Angeles County, California.

Dear Ms. Zinn:

This letter report documents the results of a focused desert tortoise (*Gopherus agassizii*) survey conducted by Glenn Lukos Associates, Inc. (GLA) for the Antelope Valley Commerce Center Project (the “Project”), located in the City of Palmdale, Los Angeles County, California. GLA biologists conducted the focused survey on April 26 and May 20, 2022, in accordance with the 2018 U.S. Fish and Wildlife Service (USFWS) Mojave Desert Tortoise Pre-project Survey Protocol. No desert tortoise or diagnostic tortoise sign were detected during the surveys.

1.0 SITE LOCATION AND DESCRIPTION

The Antelope Valley Commerce Center Project is located in the City of Palmdale, Los Angeles County, California [Exhibit 1 – Regional Map] and is within Sections 1, 2, 35, and 36, Townships 6 and 7 North, and Range 12 West of the Lancaster West and Lancaster East, California U.S. Geological Survey 7.5-minute quadrangle maps [Exhibit 2 – Vicinity Map]. The Project is located primarily south of East Avenue M, north of the Palmdale Regional Airport, east of the Sierra Highway, and west of 15th Street.

Project Description

The proposed Project consists of a commercial logistics center development, associated infrastructure, utilities, road extensions/widenings, and landscape areas. Primary access to the Project will be provided from the north by East Avenue M.

Existing Conditions

The Project site is currently undeveloped and does not contain structures [Exhibit 3 – Aerial Map]. Land uses surrounding the Project site include commercial, light industrial, and undeveloped lands to the north; research and development facilities to the east; the Palmdale Regional Airport to the south; and rail lines and the Sierra Highway to the west. Topography at the Project site is generally flat, gently sloping from west to east, with elevations from 2,543 feet (ft.) above mean sea level (amsl) in the west to 2,485 ft. amsl in the east.

The Project site is vegetated with the *Ephedra nevadensis* – *Lycium andersonii* – *Grayia spinosa* shrubland alliance, *Ericameria nauseosa* shrubland alliance, *Yucca brevifolia* woodland alliance, and disturbed/developed areas [Exhibit 4 – Vegetation Map].

Approximately 94.48 acres of the Project site are vegetated with the *Ephedra nevadensis* – *Lycium andersonii* – *Grayia spinosa* shrubland alliance. Within the Project site, this vegetation community is dominated by Nevada ephedra (*Ephedra nevadensis*), hopsage (*Grayia spinosa*), and Cooper's box thorn (*Lycium cooperi*). Approximately 189.90 acres of the Project site are vegetated with the *Ericameria nauseosa* shrubland alliance. Within the Project site, this vegetation community is dominated by rubber rabbitbrush (*Ericameria nauseosa*), with other shrub species such as sweetbush (*Bebbia juncea*), winter fat (*Krascheninnikovia lanata*), and white bur-sage (*Ambrosia dumosa*) present. Approximately 50.39 acres of the Project site are vegetated with the *Yucca brevifolia* woodland alliance. Within the Project site, this vegetation community is dominated by western Joshua tree (*Yucca brevifolia*) and cheesebush (*Ambrosia salsola*). The remaining 30.35 acres of the Project site consist of disturbed/developed lands, which are comprised by the existing East Avenue M, dirt access roads, and additional areas disturbed by unauthorized activities such as illegal dumping.

2.0 METHODOLOGY

GLA biologists Chris Waterston, David Smith, Jeff Ahrens, Stephanie Cashin, and Zack West conducted focused surveys for the desert tortoise for all suitable habitat areas within the Project site. Surveys were conducted in accordance with the 2018 USFWS Mojave Desert Tortoise Pre-project Survey Protocol, which for “small project areas” (less than 500 acres) requires 10 m wide belt transects to cover the entire Action Area, which is defined to be any lands subject to ground-disturbing activities associated with the Project, and coincides with the Project site for the purposes of this report [Exhibit 5 – Desert Tortoise Survey Map].

Focused surveys were conducted on April 26 and May 20, 2022. Pursuant to the 2018 survey guidelines, the surveys were conducted when air temperatures were most conducive to desert

tortoise activity. Air temperature was measured at 5 centimeters above ground surface, in an area of full sun, and did not exceed 102° F. Any evidence that suggests that desert tortoise might occupy the Project site (e.g., scat, burrows, carcasses, courtship rings, drinking depressions, etc., in addition to live tortoises with a mean carapace length of greater than 180mm) was carefully surveyed for. Table 2-1 summarizes the desert tortoise survey visits.

Table 2-1. Summary of Desert Tortoise Surveys

Survey Date	Biologist	Start/End Time	Start/End Temperature (°F)	Wind Speed (mph)	Cloud Cover
4/26/2022	DS, JA, SC, ZW	07:30-15:00	64-86	2-4	Mostly Clear
5/20/2022	CW, DS	06:15-12:00	61-84	8-15	Mostly Clear

CW = Chris Waterston, DS = David Smith, JA = Jeff Ahrens, SC = Stephanie Cashin, ZW = Zack West

3.0 RESULTS

No desert tortoise or diagnostic sign were detected during the focused survey.

Wildlife species detected at the Project site included American crow (*Corvus brachyrhynchos*), common raven (*Corvus corax*), loggerhead shrike (*Lanius ludovicianus*), Say's phoebe (*Sayornis saya*), lesser nighthawk (*Chordeiles acutipennis*), horned lark (*Eremophila alpestris*), European starling (*Sturnus vulgaris*), house finch (*Haemorrhous mexicanus*), mourning dove (*Zenaida macroura*), northern mockingbird (*Mimus polyglottos*), ladder-backed woodpecker (*Dryobates scalaris*), black-throated sparrow (*Amphispiza bilineata*), sage sparrow (*Artemisiospiza belli*), yellow-rumped warbler (*Setophaga coronata*), cactus wren (*Campylorhynchus brunneicapillus*), red-tailed hawk (*Buteo jamaicensis*), black-tailed jackrabbit (*Lepus californicus*), white-tailed antelope ground squirrel (*Ammospermophilus leucurus*), California ground squirrel (*Otospermophilus beecheyii*), coyote (*Canis latrans*), and domestic dog (*Canis familiaris*).

If you have any questions, please contact me at zwest@wetlandpermitting.com or at (949) 340-6490.

Tracy Zinn
T&B Planning
September 21, 2022
Page 4

Sincerely,

GLENN LUKOS ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'Zack West', with a stylized, flowing script.

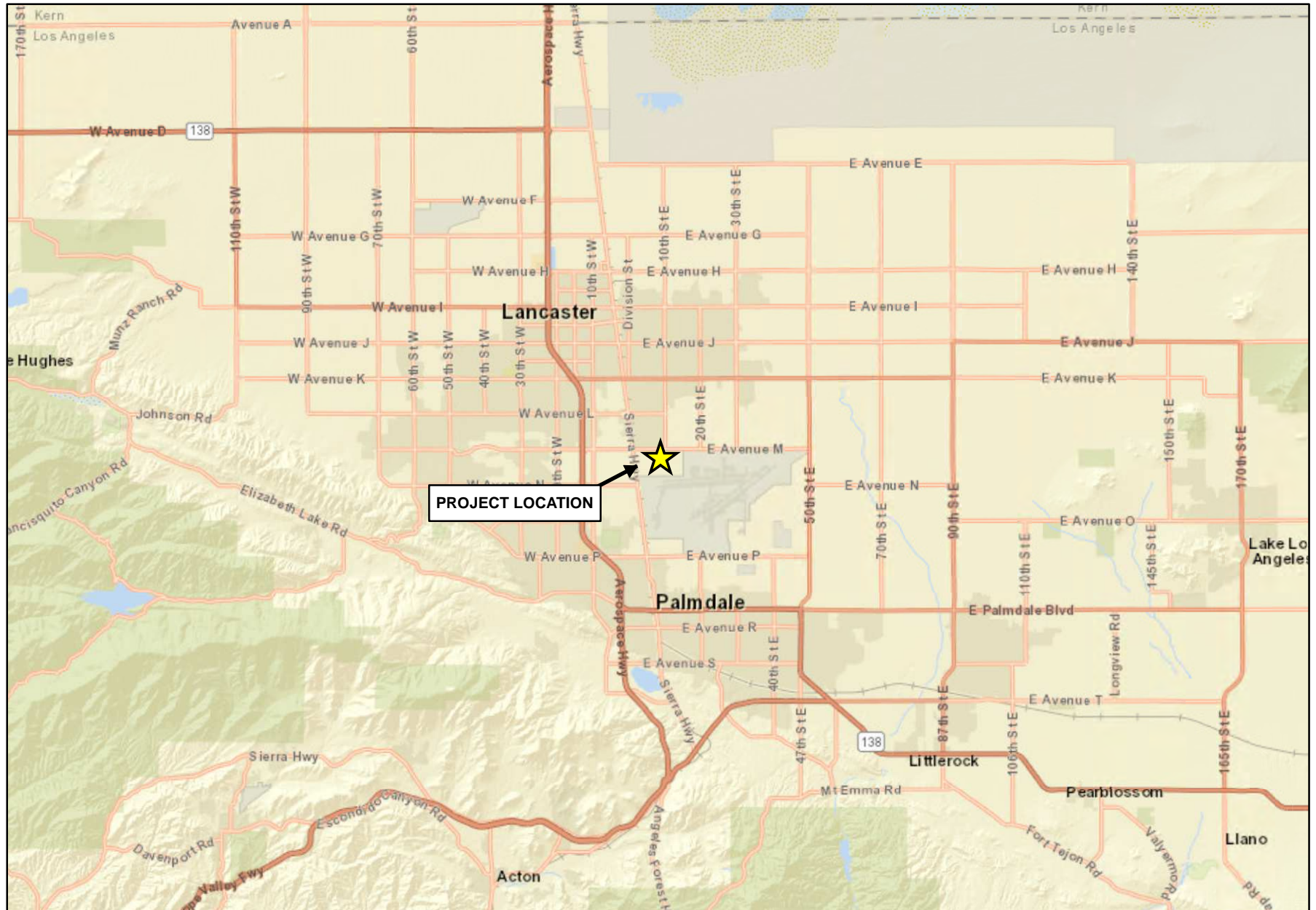
Zack West
Principal Biologist/Senior Regulatory Specialist

p:0849-83.a.bio.rpt.dt

Source: ESRI World Street Map



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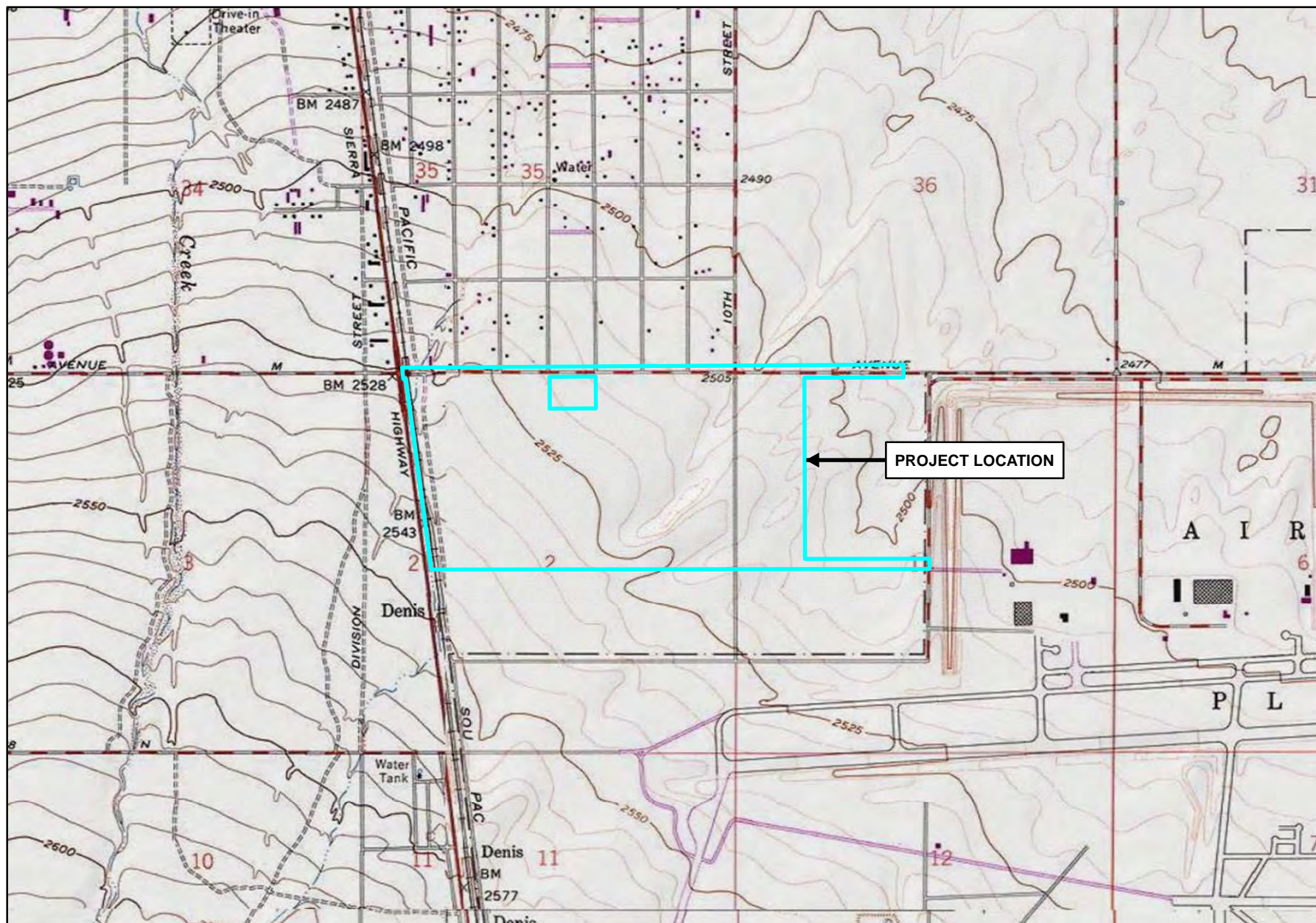
ANTELOPE VALLEY COMMERCE CENTER

Regional Map

GLENN LUKOS ASSOCIATES

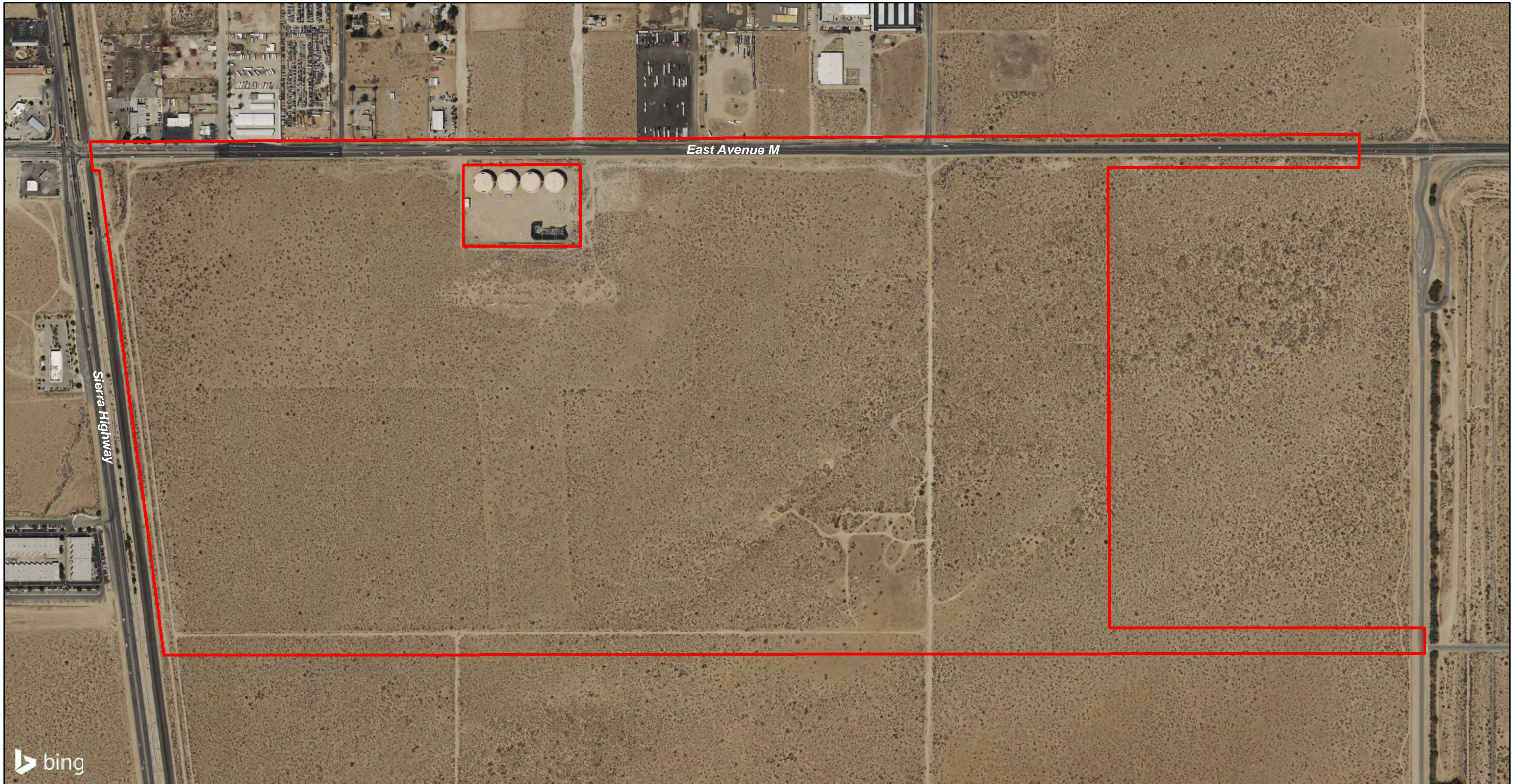
Exhibit 1



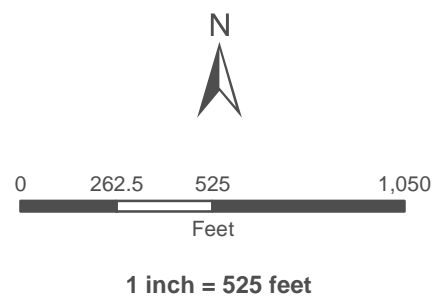


Vicinity Map

Exhibit 2



 Project Site



Coordinate System: State Plane 5 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011
Map Prepared by: XX, GLA
Date Prepared: September 12, 2022

**ANTELOPE VALLEY
COMMERCE CENTER**

Aerial Map

GLENN LUKOS ASSOCIATES


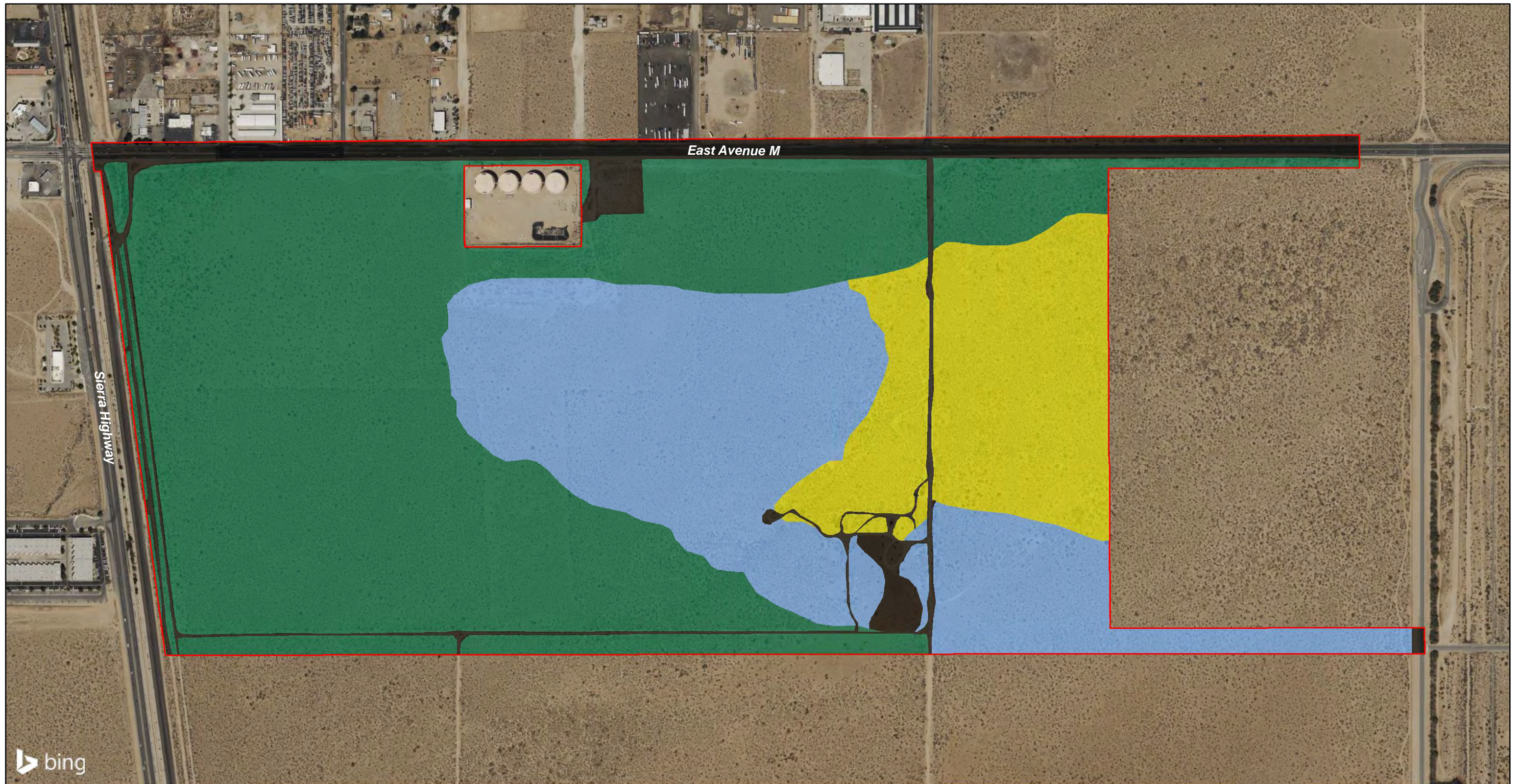
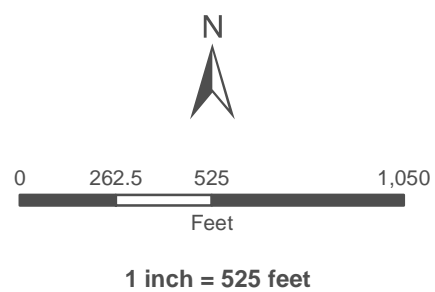


Exhibit 3

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- Project Site
- Disturbed/Developed - 30.35 ac.
- Ephedra nevadensis - Lycium andersonii - Grayia spinosa Shrubland Alliance - 94.58 ac.
- Ericameria nauseosa Shrubland Alliance - 189.90 ac.
- Yucca brevifolia Woodland Alliance - 50.39 ac.



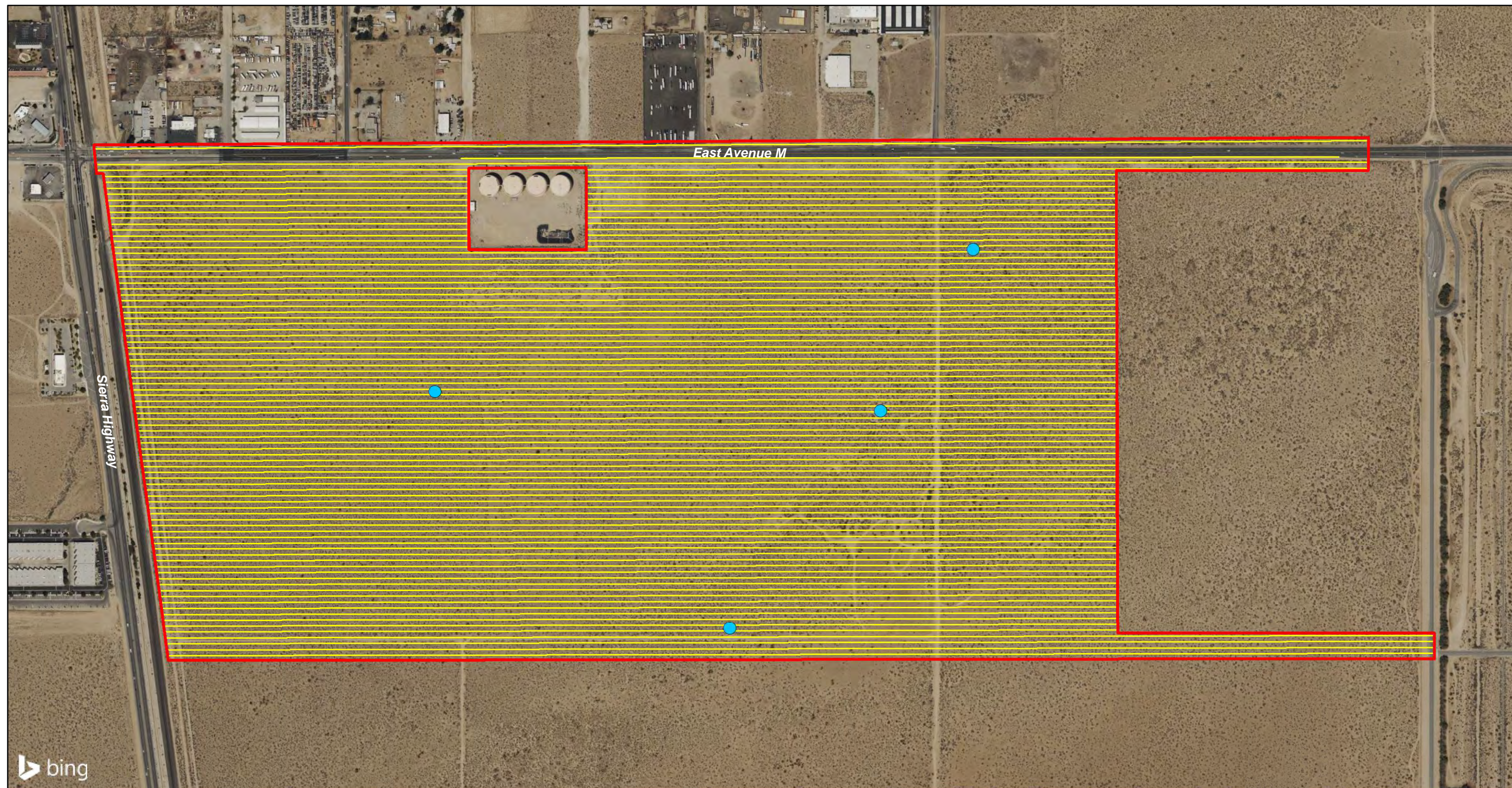
Coordinate System: State Plane 5 NAD 83
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011
 Map Prepared by: K. Kartunen, GLA
 Date Prepared: September 12, 2022

**ANTELOPE VALLEY
COMMERCE CENTER**

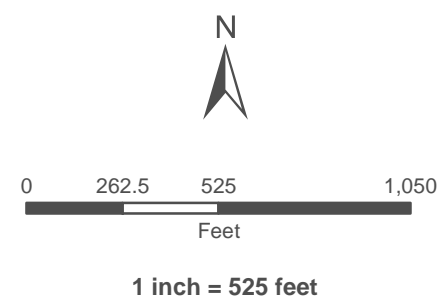
Vegetation Map

GLENN LUKOS ASSOCIATES

Exhibit 4



- Project Site
- Survey Transect
- Potentially Suitable Burrow – No Sign Observed



Coordinate System: State Plane 5 NAD 83
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011
 Map Prepared by: XX, GLA
 Date Prepared: September 16, 2022

**ANTELOPE VALLEY
COMMERCE CENTER**

Desert Tortoise Survey Map

GLENN LUKOS ASSOCIATES

Exhibit 5

X:\0363-THE REST\0849-83ANTV\849-83_GIS\TortoiseGIS\849-83_DT.mxd



Photograph 1: View of the *Ephedra nevadensis* – *Lycium andersonii* – *Grayia spinosa* shrubland alliance within the Project site.



Photograph 2: View of the *Ericameria nauseosa* shrubland alliance within the Project site.



Photograph 3: View of the *Yucca brevifolia* woodland alliance within the Project site.



APPENDIX A: FLORAL COMPENDIUM

The floral compendium lists species identified on the project site. Taxonomy follows the Jepson Manual (Baldwin et. al 2012) and, for sensitive species, the California Native Plant Society's Rare Plant Inventory (Tibor 2001). Common plant names are taken from Baldwin (2012), Hickman (1993), Munz (1974), and Roberts et al (2004). A † denotes a special-status species. A * denotes a non-native species.

Scientific Name

Common Name

GYMNOSPERMS

CONE-BARING PLANTS

EPHEDRACEAE

Ephedra nevadensis

Ephedra Family

Nevada ephedra

MAGNOLIOPHYTA

FLOWERING PLANTS

MONOCOTYLEDONS

MONOCOTS

AGAVACEAE

†*Yucca brevifolia*

Agave Family

western Joshua tree

POACEAE

**Schismus barbatus*

Grass Family

common Mediterranean grass

DICOTYLEDONS

DICOTS

ASTERACEAE

Ambrosia dumosa

Ambrosia salsola

Bebbia juncea

Chaenactis fremontii

Ericameria nauseosa

Eriophyllum pringlei

Eriophyllum wallacei

Lasthenia gracilis

Layia glandulosa

Malacothrix glabrata

Sunflower Family

white bur-sage

cheesebush

sweetbush

Fremont's pincushion

rubber rabbitbrush

Pringle's woolly sunflower

Wallace's woolly daisy

common goldfields

white layia

desert dandelion

BORAGINACEAE*Amsinckia tessellata**Cryptantha sp.**Nama demissum***Borage Family**

devil's lettuce

cryptantha

purple mat

BRASSICACEAE**Brassica tournefortii***Sisymbrium altissimum***Mustard Family**

Sahara mustard

tumble mustard

CHENOPODIACEAE*Atriplex canescens**Grayia spinosa**Krascheninnikovia lanata***Salsola tragus***Goosefoot Family**

hoary saltbush

hopsage

winter fat

Russian thistle

LAMIACEAE*Salvia carduacea**Scutellaria mexicana***Mint Family**

thistle sage

bladder-sage

LOASACEAE*Mentzelia albicaulis***Loasa Family**

White-stemmed stickleaf

NYCTAGINACEAE*Mirabilis laevis***Four O'clock Family**

desert wishbone-bush

ONAGRACEAE*Chylismia brevipes* ssp. *brevipes***Evening Primrose Family**

golden suncup

POLEMONIACEAE*Eriastrum saphirinum***Phlox Family**

sapphire woollystar

SOLANACEAE*Lycium cooperi***Nightshade Family**

Cooper's box thorn

ZYGOPHYLLACEAE*Larrea tridentata***Caltrop Family**

creosote bush

APPENDIX B: FAUNAL COMPENDIUM

Vertebrates identified in the field by sight, calls, tracks, scat, or other signs are cited according to the nomenclature of Collins (1997) for amphibians and reptiles, AOU (1998) for birds, and Jones et al. (1992) for mammals. Species were noted by direct observation, call identification, or detection of tracks, scat, or other diagnostic signs.

LEGEND

- † Denotes special-status species
- * Denotes non-native species

TERRESTRIAL VERTEBRATES

REPTILES

PHRYNOSOMATIDAE

Sceloporus uniformis

Uta stansburiana elegans

Spiny Lizards

yellow-backed spiny lizard

common side-blotched lizard

TEIIDAE

Aspidoscelis tigris tigris

Whiptails

Great Basin whiptail

XANTUSIIDAE

Xantusia vigilis

Night Lizards

Great Basin whiptail

VIPERIDAE

Crotalus scutulatus

Vipers

Mojave green rattlesnake

BIRDS

ACCIPITRIDAE

Buteo jamaicensis

Hawks

red-tailed hawk

ALAUDIDAE

Eremophila alpestris actia

Larks

California horned lark

CAPRIMULGIDAE

Chordeiles acutipennis

Goatsuckers

Lesser nighthawk

COLUMBIDAE

**Columba livia*

Zenaida macroura

CORVIDAE

Corvus brachyrhynchos

Corvus corax

EMBERIZIDAE

Amphispiza bilineata

Artemisiospiza belli

FRINGILLIDAE

Haemorhous mexicanus

LANIIDAE

†*Lanius ludovicianus*

MIMIDAE

Mimus polyglottos

PARULIDAE

Setophaga coronata

STURNIDAE

**Sturnus vulgaris*

TROGLODYTIDAE

Campylorhynchus brunneicapillus

TYRANNIDAE

Sayornis saya

Pigeons and Doves

rock pigeon

mourning dove

Jays and Crows

American crow

common raven

Sparrows, Buntings, Warblers, and Relatives

black-throated sparrow

sage sparrow

Finches

house finch

Shrikes and Vireos

loggerhead shrike

Thrashers

northern mockingbird

Wood-warblers

yellow-rumped warbler

Starlings

European starling

Wrens

cactus wren

Tyrant Flycatchers

Say's phoebe

MAMMALS**CANIDAE**

**Canis familiaris*

Canis latrans

Foxes, Wolves, and Allies

domestic dog

coyote

LEPORIDAE

Lepus californicus

Rabbits and Hares

black-tailed jackrabbit

SCIURIDAE

Ammospermophilus leucurus leucurus

Otospermophilus beecheyi

Squirrels

white-tailed antelope ground squirrel

California ground squirrel

APPENDIX F
SWAINSON'S HAWK SURVEY REPORT

March 3, 2023
Revised 10/24/23

Connie Anderson
T&B Planning, Inc
Director of New Business Services/Project Manager
3200 El Camino Real, Suite 100
Irvine, California 92602

VIA EMAIL
canderson@tbplanning.com

Subject: Results of the Swainson's Hawk Survey for the Antelope Valley Commerce Center and Palmdale Logistics Park Projects in the City of Palmdale, Los Angeles County, California

Dear Ms. Anderson:

This Letter Report presents the findings of focused surveys for the Swainson's hawk (*Buteo swainsoni*) conducted for the Palmdale Logistics Park Project (hereinafter referred to as "the proposed Project") in the City of Palmdale, Los Angeles County, California. Due to the proximity of the Antelope Valley Commerce Center Project site immediately adjacent to the east, the survey methods, results, and conclusions are applicable to that project site as well as Palmdale Logistics Park. The purpose of the surveys was to determine the presence or absence of the Swainson's hawk in the survey area (which included both the Antelope Valley Commerce Center and Palmdale Logistics Park Project sites) in accordance with accepted protocols.

PROJECT LOCATION

The proposed Project is located on approximately 76.97-acres in the southern portion of the Antelope Valley in the City of Palmdale. The Project site is located at the southwest corner of Columbia Way/Avenue M and Division Street(Exhibit 1). The Project site is located on the Lancaster West U.S. Geologic Survey 7.5-minute quadrangle map. Elevations range from approximately 2,550 feet above mean sea level (msl) in the southern portion of the site to approximately 2,530 feet above msl in the northern portion of the property. The Project site is currently undeveloped with a large dry wash running through the western portion of the site. The vegetation on the site is generally comprised of Joshua tree woodland in the east, with various shrub communities such as Mormon tea – fourwing saltbush scrub, Mormon tea – Mojave cottonthorn, great basin sagebrush – rubber rabbitbrush scrub, and ruderal occurring throughout the rest of the site. Unsheltered encampments were present on site along the eastern Project boundary just prior to the the surveys.

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Connie Anderson
March 3, 2023
Revised 24/10/23
Page 2

SPECIES BACKGROUND

The Swainson's hawk is a neotropical migrant that breeds in grassland and savannah habitats of western North America east to the Great Plains and from southwest Alaska and southern Canada south to northern Mexico (AOU 1998). It winters in the pampas grass regions of South America, primarily in Argentina and Uruguay (England et al. 1997). The main route during spring and fall migration is over land through Central America between North and South America (AOU 1998). This is a highly gregarious species that often migrates in flocks, sometimes numbering in the thousands (England et al. 1997). Although the total population has been conservatively estimated at 40,000 to 55,000 breeding pairs, the Swainson's hawk has experienced serious local declines in its breeding range (i.e., Oregon and California) (del Hoyo et al. 1994).

In California, the Swainson's hawk is considered to be a locally common to rare breeder with the majority of breeding territories located in the Central Valley and Great Basin regions (Woodbridge 1998). Most breeding pairs are located in the northern San Joaquin Valley and in the middle of the Central Valley between Sacramento and Modesto (Woodbridge 1998). Swainson's hawks are now absent from most of their historic range in the central and southern parts of California (Woodbridge 1998). In 1980, Bloom estimated the California breeding population to be 375 pairs and found this to represent a 91 percent decline from historical population estimates. However, a recent publication that studied breeding Swainson's from 2005 to 2018 found that the population grew rapidly during that period, and estimates there were 18,810 breeding pairs in California in 2018, a rate of 13.9 percent increase per year (Furnas et al. 2022). The causes for the increase are yet unknown.

Although not considered to be an obligate riparian species, nest sites in California's Central Valley are strongly associated with riparian forest vegetation (Woodbridge 1998). Nests are typically located in a solitary tree, shrub, small grove of trees, or in a line of trees along a stream course; however, they can also be on human-built structures such as power poles (England et al. 1997). Swainson's hawk nests are open platform structures typical of the genus (*Buteo*) but are less dense and less sturdy than red-tailed hawk (*Buteo jamaicensis*) nests and typically do not persist through the winter (Woodbridge 1998). Suitable foraging habitats consist of open grasslands, sparse shrublands, open woodlands, and agricultural areas such as wheat and alfalfa fields (England et al. 1997).

When breeding, Swainson's hawks feed on rodents, rabbits, and reptiles but, unlike other North American raptors, its diet when not breeding consists almost entirely of insects (England et al. 1997). Foraging habitats consist of open grasslands, sparse shrublands, open woodlands, and agricultural areas such as wheat and alfalfa fields (England et al. 1997). In the Central Valley, breeding territories include riparian forest or remnant riparian trees in combination with high-quality foraging habitats such as fallow fields and alfalfa fields (Woodbridge 1998).

REGIONAL BACKGROUND

Swainson's hawks were historically more numerous and widespread breeders in Southern California, even nesting on the coast as far south as San Diego County (Bloom 1980; Unitt 2004). Previously a scarce summer resident in the Mojave and Colorado deserts (Grinnell and Miller 1986), Bloom (1980) found this species to still be rather scarce in this region and restricted to desert woodland habitats of Joshua tree (*Yucca brevifolia*), Mojave yucca (*Yucca schidigera*), and possibly desert riparian habitats. Garrett and Dunn (1981) considered it a very rare summer resident in the region and listed known nesting sites such as the Lanfair Valley in San Bernardino County, Owens Valley in Inyo County, and the Antelope Valley in Los Angeles County.

Connie Anderson
March 3, 2023
Revised 24/10/23
Page 3

Unpublished data (P. Bloom in Woodbridge 1998) indicates that there has been recolonization of historic habitats in the Antelope Valley and population increases in the Owens Valley. The Bureau of Land Management's *West Mojave Plan* (BLM 2005) states that all recent nest sites for the West Mojave Planning Area (WMPA) are in the Antelope, Victor, and Apple Valleys from near Palmdale and Lancaster, Los Angeles County, east to Adelanto and Victorville in San Bernardino County. In the WMPA, breeding habitat is provided by Joshua tree woodland, riparian woodland, and ornamental vegetation in the vicinity of suitable foraging habitats that include native as well as agricultural habitats (BLM 2005). Primary trees selected for nest sites in the WMPA are Joshua trees, Fremont cottonwoods (*Populus fremontii*), and other large trees used in agricultural windbreaks (BLM 2005).

A search of the California Department of Fish and Wildlife's (CDFW's) California Natural Diversity Database (CNDDDB) shows historic nesting localities for Swainson's hawk in the vicinity of the Project site (CDFW 2022). Multiple breeding locations have been documented in CNDDDB in the Antelope Valley, including Palmdale, between 2018 and 2020 (CDFW 2022).

SURVEY METHODS

The surveys followed the recommendations provided by the California Energy Commission (CEC) and CDFW (CEC and CDFW 2010) for green energy projects in the Antelope Valley that generally follow the Swainson's Hawk Technical Advisory Committee (SHTAC) survey guidelines developed for projects in the Central Valley of California (SHTAC 2000). The extent of the survey area is the primary difference between the two sets of guidelines, as the SHTAC (2000) recommends surveys of up to a half mile away from the proposed Project while the CEC and CDFW (2010) guidelines use a buffer of five miles to determine potential impacts. Survey timing also differs between the two sets of guidelines. These surveys were conducted using the survey buffer recommended in the SHTAC survey guidelines because the proposed Project is not a green energy project and survey timing from the CEC and CDFW (2010) survey guidelines was used due to the Project's location in the Antelope Valley.

As recommended by both sets of survey guidelines, these surveys were conducted by car while driving at reduced speeds (approximately 5 miles per hour) when feasible. The surveys along busy roads were conducted by periodic stops to scan for raptor activity by use of binoculars and a spotting scope. Field notes were taken on each survey date and included recording of all bird species encountered during the survey. In addition to Swainson's hawk observations, nests of potentially competitive species (e.g., other raptor species or common ravens) were noted. The western and approximate one third of the survey area extended into developed areas that do not provide suitable Swainson's hawk breeding habitat and, as a result, were largely excluded from the survey area. The majority of the survey time was spent in the eastern portion of the Project area. It should also be noted that the survey area was extended by approximately 1.25 miles (beyond the half-mile buffer) in the eastern portion of the survey area to include suitable breeding habitat in the tall clonal Joshua trees within the undeveloped land east of the United Pacific railroad tracks, south of Columbia Way and north of Ave. M-12 (Exhibit 3). In addition, periodic visits were made to two known recent nesting locations far outside the survey area (four miles east) in order to confirm regional breeding status. One of those recent nesting locations was active during the surveys. The surveys generally focused on mature trees (e.g., Joshua tree, non-native wind row trees) and power poles, particularly those with adjacent open space, which provided potentially suitable nesting and foraging habitat. Vegetation types and other areas that occur in the survey area include Joshua tree woodland, disturbed Joshua tree woodland, Mormon tea scrub, rubber rabbitbrush scrub, disturbed rubber rabbitbrush scrub, ruderal, tamarisk thicket, dry wash, disturbed, and developed.

Connie Anderson
March 3, 2023
Revised 24/10/23
Page 4

The CEC and CDFW guidelines outline the following sequence and number of surveys, with the first survey period being optional and the third and fourth intended for nest monitoring:

1. January 1–March 31: one survey;
2. April 1–April 30: three surveys;
3. May 1–May 30: three surveys; and
4. June 1–July 15: three surveys.

Swainson’s hawks are migratory and are not expected to be present during the first survey period, thus this 1st survey is optional. Surveys in the second survey period focus on arrival of Swainson’s hawks and nest building activities. Egg laying and incubation occurs during the third survey period, so the hawks are less visible and can be difficult to observe during this time period. The fourth and last survey period is when the young fledge so there are relatively high levels of activity at the nest site.

The surveys were conducted by Psomas Senior Biologist Marc Blain and Psomas Biologists Sarah Thomas and Jack Underwood. A total of three focused surveys were conducted in the second survey period (April 1–April 30). During this time period, adults are arriving on breeding grounds and engaged in territorial and courtship displays, and circling the nest territory. Both males and females are actively nest building and visiting selected nest sites frequently (CEC and CDFW 2010). Since no Swainson’s were observed in the survey area during the surveys, surveys during periods three and four were not conducted. Surveys were conducted on April 5, 22, and 29, 2022.

TABLE 1
SUMMARY OF SURVEY DATA AND CONDITIONS
FOR SWAINSON’S HAWK SURVEYS

Survey Dates (2022)	Surveyor(s)	Time	Air Temperature (°F)		Cloud Cover	Wind (mph)
			Start	End		
April 5	SAT/JDU	6:30 AM–1:00 PM	59	74	0%	1–3
April 22	SAT/MTB	8:30AM–2:30PM	49	68	50% → 50%	8–10
April 29	SAT/MTB	6:50AM–2:00PM	48	73	0%	0–2

°F: degrees Fahrenheit; mph: miles per hour; SAT: Sarah Thomas; JDU: Jack Underwood; MTB: Marc Blain

SURVEY RESULTS

No Swainson’s hawks were observed in the survey area during the surveys.

One Swainson’s hawk pair was observed nesting in a non-native elm tree in the yard of a residence on 50th Street E and E Avenue L, four miles east of the Project site; and six migrating Swainson’s were observed foraging in the agricultural fields along 50th Street E between Avenue L-8 and E Avenue L on April 5. Since the nest location was outside the survey area, detailed monitoring observations were not conducted. One additional raptor species, red-tailed hawk (*Buteo jamaicensis*), was observed during the surveys. No red-tailed hawk territories were documented within the survey area.

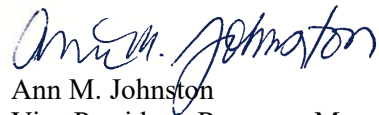
A list of the bird species that were observed during the surveys can be found in Attachment A.

Connie Anderson
March 3, 2023
Revised 24/10/23
Page 5

If you have any questions regarding this Letter Report, please call Marc Blain at 626.351.2000.

Sincerely,

P S O M A S



Ann M. Johnston
Vice President, Resource Management



Marc T. Blain
Senior Project Manager

Enclosures: Exhibit 1 – Project Location
 Exhibit 2 – U.S. Geological Survey 7.5-minute Quadrangle
 Exhibit 3 – Survey Area
 Attachment A – Avian Compendium

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Connie Anderson
 March 3, 2023
 Revised 24/10/23
 Page 6

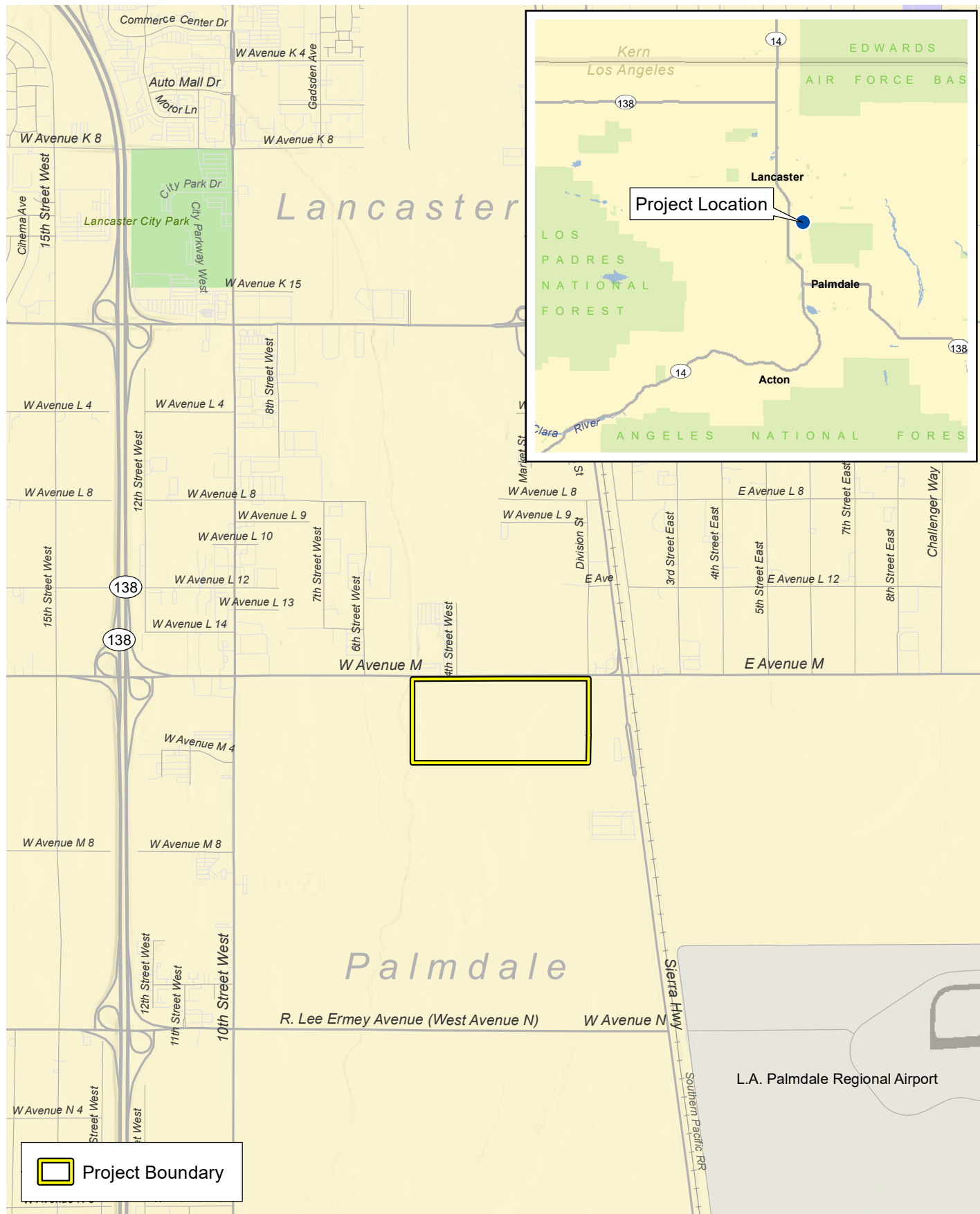
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Project Location

Palmdale Logistics Park

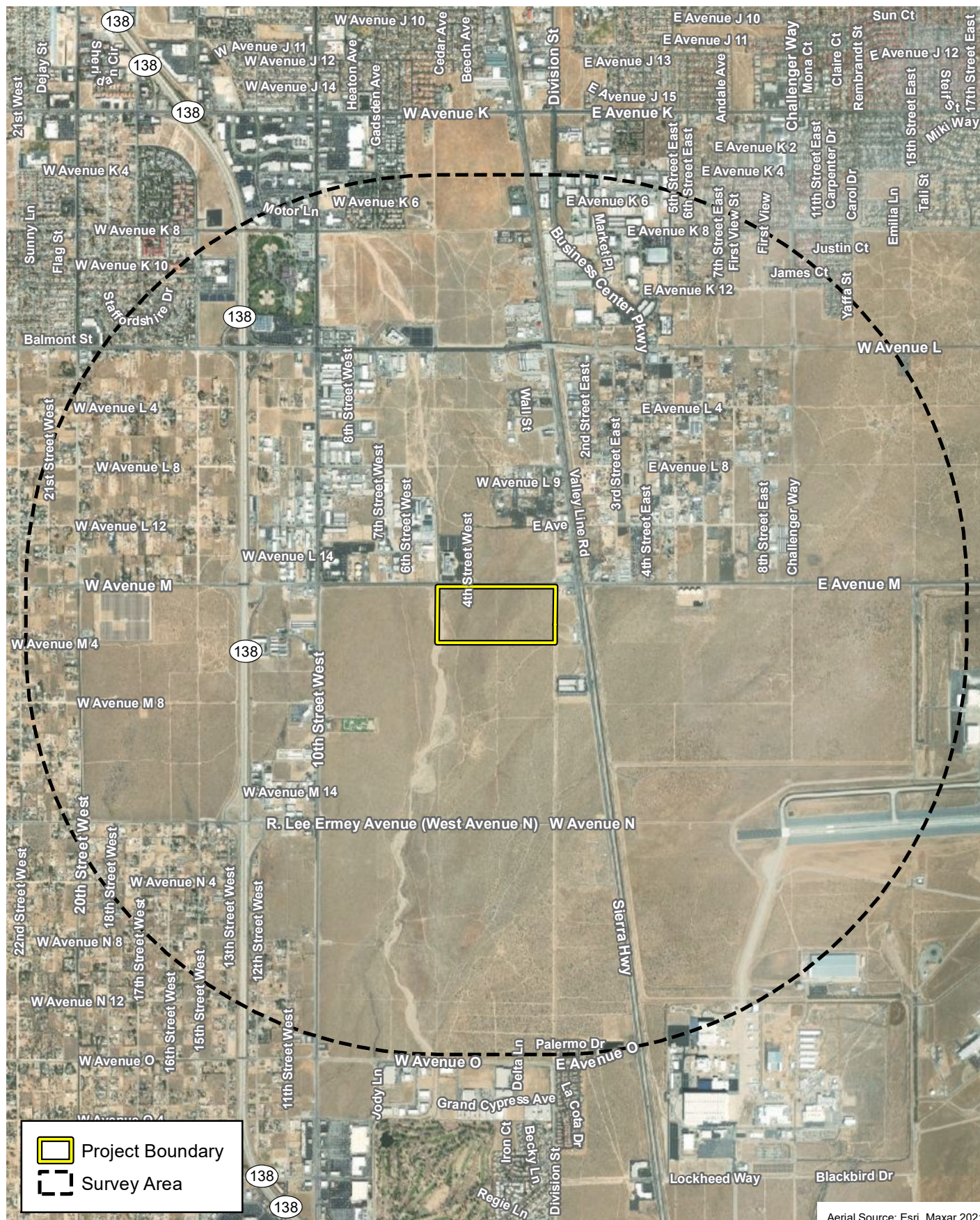


2,000 1,000 0 2,000 Feet

Exhibit 1



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Aerial Source: Esri, Maxar 2021

Survey Area

Palmdale Logistics Park



3,000 1,500 0 3,000
Feet

Exhibit 3



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ATTACHMENT A
AVIAN COMPENDIUM

BIRD SPECIES OBSERVED DURING SURVEYS

Species		Special Status
Scientific Name	Common Name	
BIRDS		
COLUMBIDAE – PIGEON AND DOVE FAMILY		
<i>Zenaida macroura</i>	mourning dove	
ACCIPITRIDAE – HAWK FAMILY		
<i>Buteo swainsoni</i>	Swainson's hawk	ST
<i>Buteo jamaicensis</i>	red-tailed hawk	
TYRANNIDAE – TYRANT FLYCATCHER FAMILY		
<i>Sayornis saya</i>	Say's phoebe	
<i>Myiarchus cinerascens</i>	ash-throated flycatcher	
<i>Tyrannus vociferans</i>	Cassin's kingbird	
CORVIDAE – JAY AND CROW FAMILY		
<i>Corvus corax</i>	common raven	
TROGLODYTIDAE – WREN FAMILY		
<i>Campylorhynchus brunneicapillus</i>	cactus wren	
MIMIDAE – MOCKINGBIRD AND THRASHER FAMILY		
<i>Mimus polyglottos</i>	northern mockingbird	
STURNIDAE – STARLING FAMILY		
<i>Sturnus vulgaris</i> *	European starling*	
FRINGILLIDAE – FINCH FAMILY		
<i>Haemorhous mexicanus</i>	house finch	
<i>Spinus psaltria</i>	lesser goldfinch	
PASSERELLIDAE – NEW WORLD SPARROW FAMILY		
<i>Amphispiza bilineata</i>	black-throated sparrow	
<i>Artemisiospiza belli</i>	Bell's sparrow	
ICTERIDAE – BLACKBIRDS AND ORIOLES		
<i>Agelaius phoeniceus</i>	red-winged blackbird	
<i>Euphagus cyanocephalus</i>	Brewer's blackbird	
PARULIDAE – WOOD-WARBLE FAMILY		
<i>Setophaga townsendi</i>	Townsend's warbler	
* Non-native		
Species Status:		
State (CDFW)		
ST Threatened		

APPENDIX G
BURROWING OWL SURVEY REPORT

August 24, 2022

Connie Anderson
T&B Planning, Inc
Director of New Business Services/Project Manager
3200 El Camino Real, Suite 100
Irvine, California 92602

VIA EMAIL
canderson@tbplanning.com

Subject: Results of a Focused Survey for Burrowing Owl for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Ms. Anderson:

This Letter Report presents the results of focused surveys for the western burrowing owl (*Athene cunicularia hypugaea*) for the Palmdale Logistics Park Project (hereinafter referred to as “the Proposed Project”) in the City of Palmdale, Los Angeles County, California (Exhibit 1). The purpose of the survey was to determine the presence or absence of the western burrowing owl during its breeding period (i.e., March 1 to August 31) on or immediately adjacent to the Project area. The habitat assessment determined that potentially suitable habitat for the western burrowing owl was present and, as a result, focused surveys were required. The surveys were completed in accordance with the California Department of Fish and Wildlife’s (CDFW’s) *Staff Report on Burrowing Owl Mitigation* (CDFG 2012) by Psomas biologists who have the necessary training and experience to conduct surveys for burrowing owls.

PROJECT LOCATION AND SETTING

The Proposed Project is located on approximately 400-acres in the southern portion of the Antelope Valley in the City of Palmdale. The Project site is situated south of Columbia Way, east of Sierra Hwy and the Pacific Union railroad alignment, north of Avenue M-12, and west of 15th Street E (Exhibit 1). The Project site is located on the Lancaster East U.S. Geologic Survey 7.5-minute quadrangle map (Exhibit 2). Elevations range from approximately 2,500 feet above mean sea level (msl) in the northern portion of the site to approximately 2,555 feet above msl in the southern portion of the property. The Project site is currently undeveloped directly adjacent (northwest) to the Palmdale Regional Airport. Vegetation on the site is comprised mostly of Joshua tree woodland, with rubber rabbitbrush scrub in the north, and Mormon tea scrub in the western portion of the site. Some portions of the site have been disturbed historically (e.g., evidence of Joshua trees removal and roadway creation via off-road use). Graded dirt roads traverse the perimeter of the site and two graded dirt roads run through the southern portion of the site.

BACKGROUND

The western burrowing owl is a grassland specialist distributed throughout western North America, where it occupies open areas with short vegetation and bare ground within shrub, desert, and grassland environments. Burrowing owls use a wide variety of arid and semi-arid environments, with well-drained, level to gently sloping areas characterized by sparse vegetation and bare ground (Poulin et al. 2020; Shaffer et al. 2022). Burrowing owls in

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Connie Anderson
 August 24, 2022
 Page 2

Florida excavate their own burrows, but western burrowing owls depend upon the presence of burrowing mammals whose burrows are used for roosting and nesting (Poulin et al. 2020). The presence or absence of colonial fossorial mammal burrows (e.g., California ground squirrels [*Spermophilus beecheyi*]) is often a major factor that limits the presence or absence of burrowing owls. Where mammal burrows are scarce, burrowing owls have been found occupying man-made cavities, such as buried and non-functioning drainpipes, stand-pipes, and dry culverts. Burrowing mammals may burrow beneath rocks; debris; or large, heavy objects such as abandoned cars, concrete blocks, or concrete pads. Large, hard objects at burrow entrances stabilize the entrance from collapse and may inhibit excavation by predators.

Burrowing owls often use “satellite”, or non-nesting burrows, moving chicks into them from the nesting burrow, presumably to reduce the risk of predation (Desmond and Savidge 1998) and possibly to avoid nest parasites (Shaffer et al. 2022). One pair may use up to ten satellite burrows (James and Seabloom 1968). Individual burrowing owls have a moderate to high site fidelity to previously used burrow complexes and often use the same burrows for nesting year after year.

The western burrowing owl was once abundant and widely distributed within coastal Southern California, but it has declined precipitously in Los Angeles, Orange, San Diego, Riverside, and San Bernardino Counties. Although a petition was submitted to list the California population of the western burrowing owl as an Endangered or Threatened species, the CDFW declined to list the burrowing owl as either Threatened or Endangered in consideration of its overall population throughout the state. However, the CDFW considers the burrowing owl to be a California Species of Special Concern (CDFW 2022).

SURVEY METHODOLOGY

Focused surveys for the burrowing owl were conducted during the breeding season, which extends from March 1 to August 31. The CDFW guidelines specify time periods in which the four focused crepuscular surveys should be conducted during the breeding season: at least one survey between February 15 and April 15; three surveys between April 15 and July 15; with at least one survey after June 15. Surveys should be conducted at least three weeks apart.

During the initial reconnaissance-level wildlife survey conducted on March 10, 2022, it was determined that potentially suitable habitat for burrowing owl was present on the Project site and immediately adjacent. The burrow survey was conducted on April 11, 12, and 13, 2022, by Psomas Biologists Sarah Thomas, Allison Rudalevige, and Jack Underwood; and Consulting Biologists Sandy Leatherman, John Simon-Parent, and Miranda Scolaro. The burrow survey was conducted by walking the Project site in 10- to 20-meter (approximately 33 feet to 65 feet) belt transects (depending on shrub coverage) to achieve 100 percent visual coverage. Potentially suitable burrows were marked with Garmin Global Positioning System (GPS) units. Any natural or man-made cavities large enough to allow a burrowing owl to enter were inspected for evidence of occupation. Evidence of occupation may include prey remains, cast pellets, white-wash, feathers, and observations of owls adjacent to burrows. The burrow survey was conducted at least five days after rain, which could have washed away potential sign. Areas containing suitable habitat within 500 feet of the Project site were surveyed with binoculars.

The CDFW guidelines specify time periods in which the four focused crepuscular surveys should be conducted during the breeding season: at least one survey between February 15 and April 15; three surveys between April 15 and July 15; with at least one survey after June 15. Surveys should be conducted at least three weeks apart. Ms. Thomas, Mr. Underwood, and Psomas Biologist Trevor Bristle conducted the focused crepuscular surveys on April 14; May 18; June 7 and June 29, 2022. These surveys were conducted from either one hour before sunrise to two hours after, or from two hours before sunset to one hour after. The surveys were conducted when light conditions were sufficient to observe burrowing owl flights. All potential habitat (e.g., areas where potentially suitable burrows were located) within the

TABLE 1
SUMMARY OF BURROWING OWL SURVEYS

Survey Number	Date	Time (Start/End)	Surveyor(s)	Weather Conditions		
				Temperature (°F) (Start/End)	Wind (mph) (Start/End)	Cloud Cover (%) (Start/End)
Habitat Assessment	3/10/2022	10:00 AM–12:00 PM	Thomas	74/80	1–3/0–1	Clear/Clear
Burrow Survey	4/11/2022	8:05 AM – 3:45 PM	Thomas, Underwood, Rudalevige, Leatherman, Simon-Parent, Scolaro	52/61	3/10	0/25
Burrow Survey	4/12/2022	8:00 AM – 2:45 PM	Thomas, Underwood, Rudalevige, Leatherman, Simon-Parent, Scolaro	39/54	4–7/9	Clear/Clear
Burrow Survey	4/13/2022	7:40 AM – 1:45 PM	Thomas, Underwood, Rudalevige, Leatherman, Simon-Parent, Scolaro	41/66	4–5/3–7	Clear/Clear
Crepuscular Survey 1	4/14/2022	6:05 AM–7:15 AM	Thomas, Underwood	64/61	9/8	Clear/Clear
Crepuscular Survey 2	5/18/2022	6:35 AM–7:30 AM	Thomas, Bristle	66/73	5/6	Clear/10
Crepuscular Survey 3	6/7/2022	5:50 AM–7:30 AM	Thomas	60/76	3/3	Clear/Clear
Crepuscular Survey 4	6/29/2022	6:45 AM–8:45 AM	Thomas	68/86	0–1/0–1	30/50

°F: Fahrenheit; mph: miles per hour; %: percent

Connie Anderson
August 24, 2022
Page 4

SURVEY RESULTS

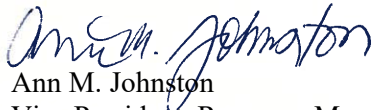
No burrowing owl individuals or active/inactive burrowing owl burrows were observed during the surveys. The survey area supports low density California ground squirrel burrows. Suitable habitat and potentially suitable burrows for burrowing owl occurs mostly in the creosote bush dominated portions of the Project site. One special status species, the loggerhead shrike (*Lanius ludovicianus*), was observed in the eastern portion of the site. A California Natural Diversity Database form will be submitted to the CDFW for the observation.

Representative photographs are included in Attachment A. A complete list of all wildlife species observed during the surveys is provided in Attachment B of this report.

Psomas appreciates the opportunity to assist on this Project. If you have any comments or questions, please call Marc Blain at 626.351.2000.

Sincerely,

P S O M A S



Ann M. Johnston
Vice President, Resource Management



Marc T. Blain
Senior Project Manager

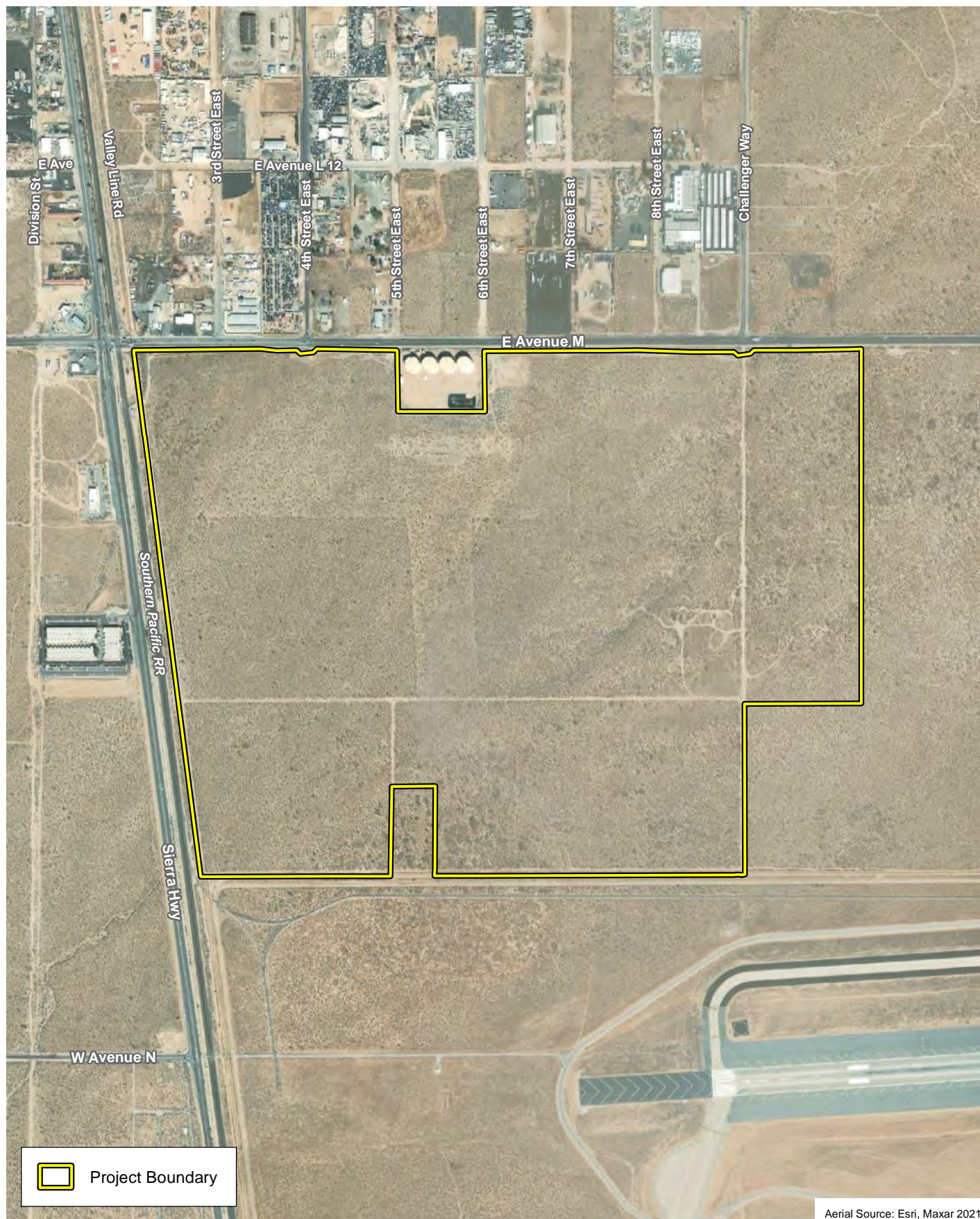
Exhibits: Exhibit 1– Project Location
 Exhibit 2– U.S. Geological Survey 7.5-Minute Quadrangle
 Exhibit 3– Survey Area
 Exhibit 4– Survey Results
Attachment: A – Wildlife Compendium

Connie Anderson
August 24, 2022
Page 5

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Project Location

Antelope Valley Commerce Center

Exhibit 1

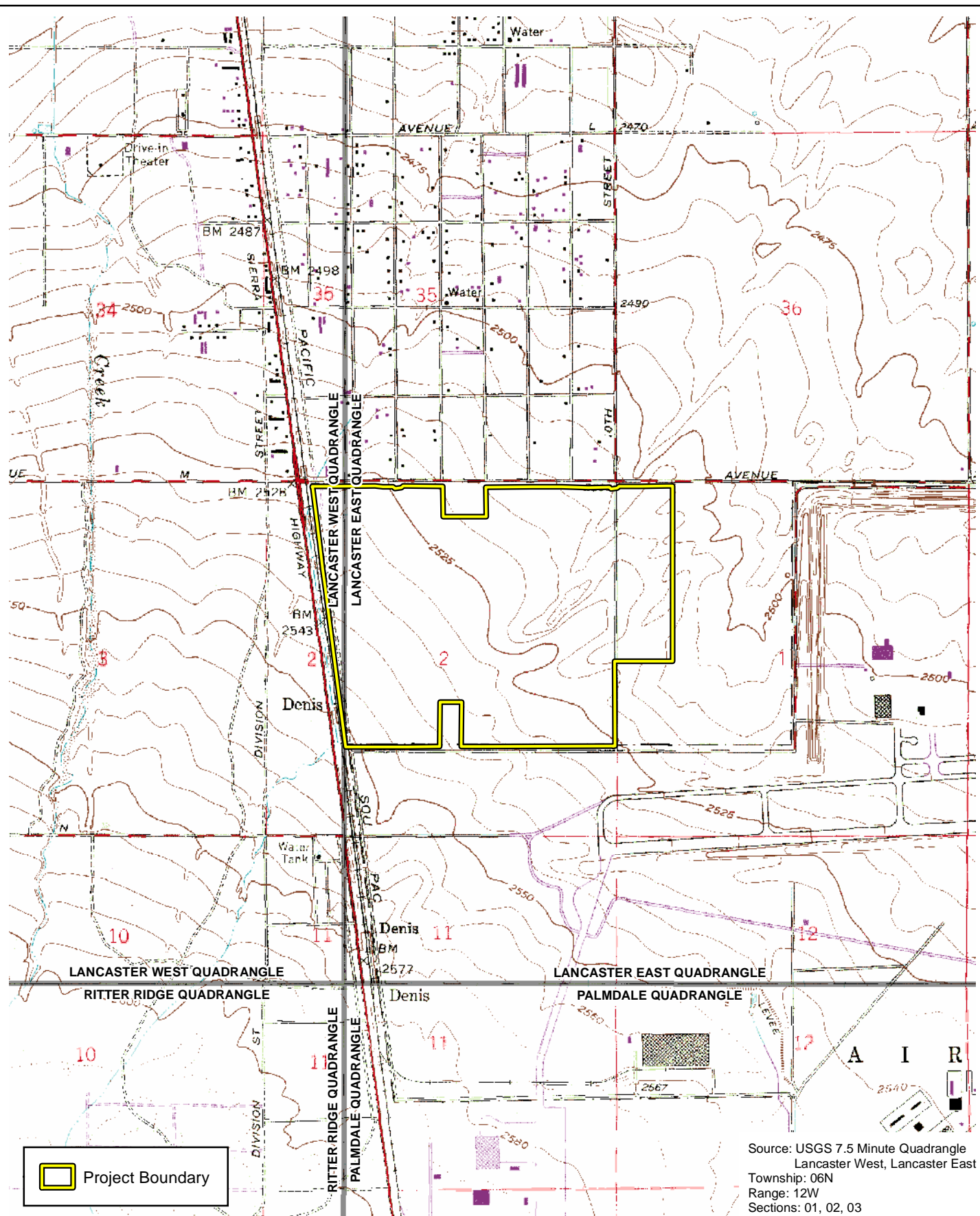


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USGS 7.5-Minute Digital Quadrangle

Antelope Valley Commerce Center

Exhibit 2



2,000 1,000 0 2,000 Feet



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Survey Area

Antelope Valley Commerce Center



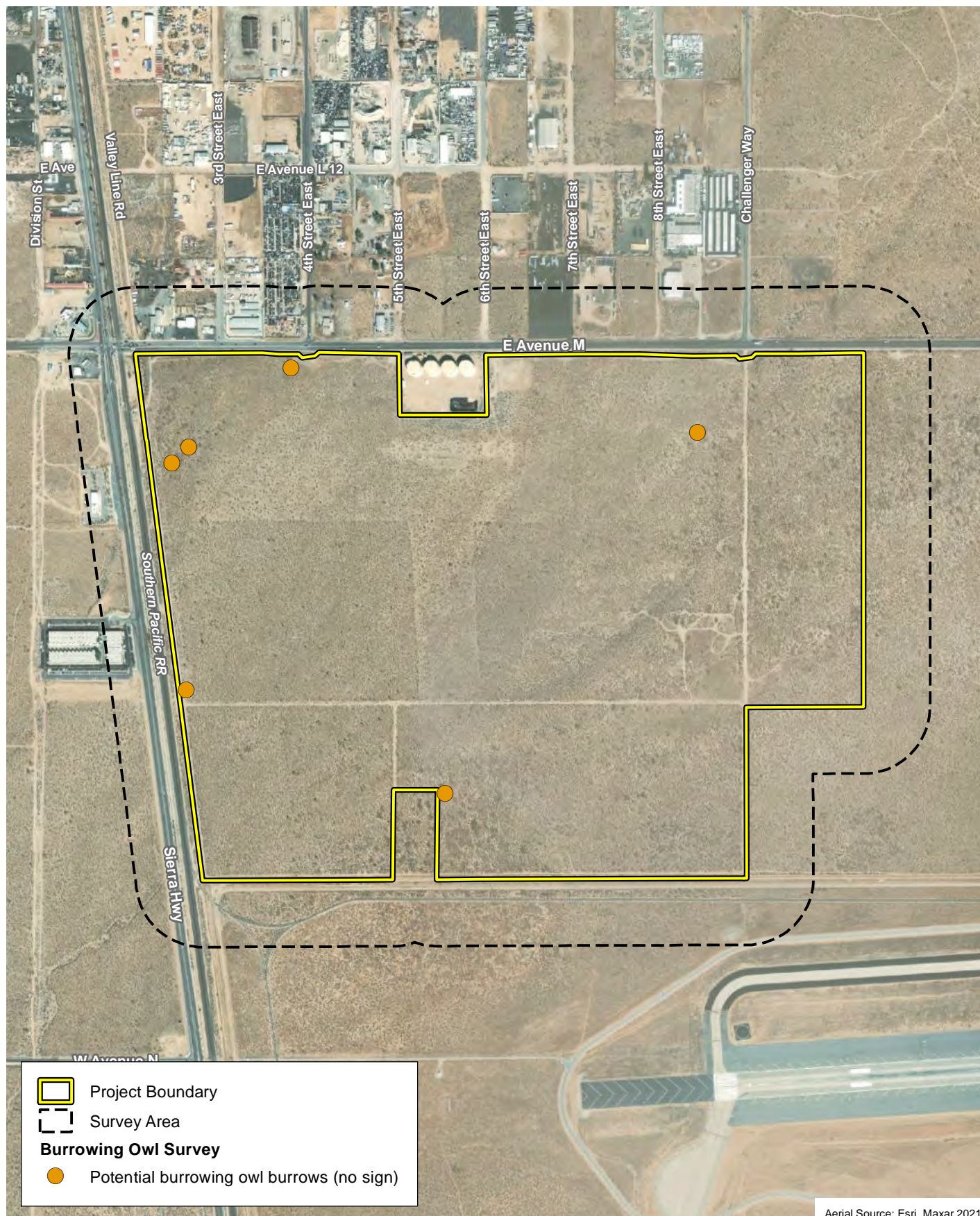
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Exhibit 3



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Aerial Source: Esri, Maxar 2021

Survey Results

Antelope Valley Commerce Center



1,000 500 0 1,000
Feet

Exhibit 4



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ATTACHMENT A
WILDLIFE COMPENDIUM

WILDLIFE OBSERVED DURING SURVEYS

Species		Special Status
Scientific Name	Common Name	
BIRDS		
ODONTOPHORIDAE – NEW WORLD QUAIL FAMILY		
<i>Callipepla californica</i>	California quail	
COLUMBIDAE – PIGEON AND DOVE FAMILY		
<i>Zenaida macroura</i>	mourning dove	
CAPRIMULGIDAE – NIGHTJAR FAMILY		
<i>Chordeiles minor</i>	common nighthawk	
ACCIPITRIDAE – HAWK FAMILY		
<i>Buteo jamaicensis</i>	red-tailed hawk	
TYRANNIDAE – TYRANT FLYCATCHER FAMILY		
<i>Sayornis saya</i>	Say's phoebe	
<i>Myiarchus cinerascens</i>	ash-throated flycatcher	
<i>Tyrannus vociferans</i>	Cassin's kingbird	
LANIIDAE – SHRIKE FAMILY		
<i>Lanius ludovicianus</i>	loggerhead shrike	SSC
CORVIDAE – JAY AND CROW FAMILY		
<i>Corvus corax</i>	common raven	
TROGLODYTIDAE – WREN FAMILY		
<i>Campylorhynchus brunneicapillus</i>	cactus wren	
STURNIDAE – STARLING FAMILY		
<i>Sturnus vulgaris</i> *	European starling*	
FRINGILLIDAE – FINCH FAMILY		
<i>Haemorhous mexicanus</i>	house finch	
PASSERELLIDAE – NEW WORLD SPARROW FAMILY		
<i>Amphispiza bilineata</i>	black-throated sparrow	
<i>Artemisiospiza belli</i>	Bell's sparrow	
USFWS: U.S. Fish and Wildlife Service; CDFW: California Department of Fish and Wildlife		
<u>Species Status:</u>		
State (CDFW)		
SSC Species of Special Concern		

APPENDIX H

MOHAVE GROUND SQUIRREL SURVEY REPORT

Mohave Ground Squirrel Survey for the Antelope Valley Commerce Center Project, Palmdale, Los Angeles County, California	
	Prepared for:
	Zack West Glenn Lukos Associates, Inc. 1940 E Deere Avenue, Suite 250 Santa Ana, CA 92705
	Prepared By:
	Elanco 31 Tahoe Irvine, California 92612
September 28, 2022	

Table of Contents

<u>Section</u>	<u>Page</u>
1. Introduction.....	1
2. Site Description.....	4
3. Methods	4
4. Results.....	7
5. Discussion	11
6. References.....	12

List of Figures

<u>Figures</u>	<u>Page</u>
Figure 1. Project site on topographic map.	2
Figure 2. Project site on aerial photo	3
Figure 3. Plant communities.	5
Figure 4. Locations of grids and camera stations	8
Figure 5. 1994 aerial photo of project site	9
Figure 6. 1994 aerial photo of project site with disturbed areas outlined..	10

List of Tables

<u>Table</u>	<u>Page</u>
Table 1. UTM coordinates of four grids	6
Table 2. Dates of MGS surveys	7
Table 3. Small mammal captures.....	11

Appendices

1. Site photographs
2. Weather summary
3. Fauna
4. MGS Survey and Trapping Forms

1. INTRODUCTION

The Antelope Valley Commercial Center project site is in Palmdale in Los Angeles County, located between Sierra Highway and the Palmdale Regional Airport. The proposed project is for an industrial business park. This report provides the results of focused surveys for the State-threatened Mohave ground squirrel (MGS, *Xerospermophilus mohavensis*) carried out in 2022 on the project site. Figures 1 and 2 show the study area on the USGS Lancaster East 7.5' topographic map (T6N, R12W Sections 1, 2) and on an aerial photo, respectively. The UTM coordinates of the approximate center of the project site are 11S 397521, 3833910. Site photos are found in Appendix 1.

Background on the Mojave Ground Squirrel

The MGS is a small ground squirrel (approximately 9 inches long) that inhabits the Mojave Desert, in parts of Inyo, Kern, Los Angeles and San Bernardino counties. The historical range of the MGS covered approximately 5 million acres from Palmdale in the south to Owens Lake in the north, and from the eastern edge of the Sierra Nevada to the Mojave River Valley (Gustafson 1993, Leitner 2008).

MGS occur in a range of open desert habitats, most commonly in creosote scrub but also in Joshua tree woodland, desert saltbush scrub, desert sink scrub, desert greasewood scrub, and shadscale scrub (Gustafson, 1993). MGS typically occur in areas with open vegetative cover and small bushes (< 0.6 meter [2 feet] in height) spaced approximately 6 to 9 meters (20 to 30 feet) apart. MGS consume leaves, forbs, shrubs, and grasses of several species and genera, including creosote (*Larrea tridentata*), winter fat (*Krascheninnikovia lanata*), spiny hop-sage (*Grayia spinosa*), saltbush (*Atriplex* spp.), golden linanthus (*Linanthus aureus*), Mediterranean grass (*Schismus arabicus*), box thorn (*Lycium* spp.), and several other plant species (Best 1995). Winter fat, spiny hop-sage, and saltbush are thought to make up approximately 60% of the species' shrub diet, indicating that these are important food sources when forbs are unavailable. It has been suggested that habitats where winter fat and hop-sage are absent may be suboptimal for MGS (Desert Managers MGS Working Group, no date).

MGS dig burrows in sandy and gravelly soils on flat to moderately sloping terrain. The burrows are used to avoid predators and high temperatures, and for aestivating during winter months. MGS are active only during the spring-summer months and spend most of the year (approximately seven months) below ground.

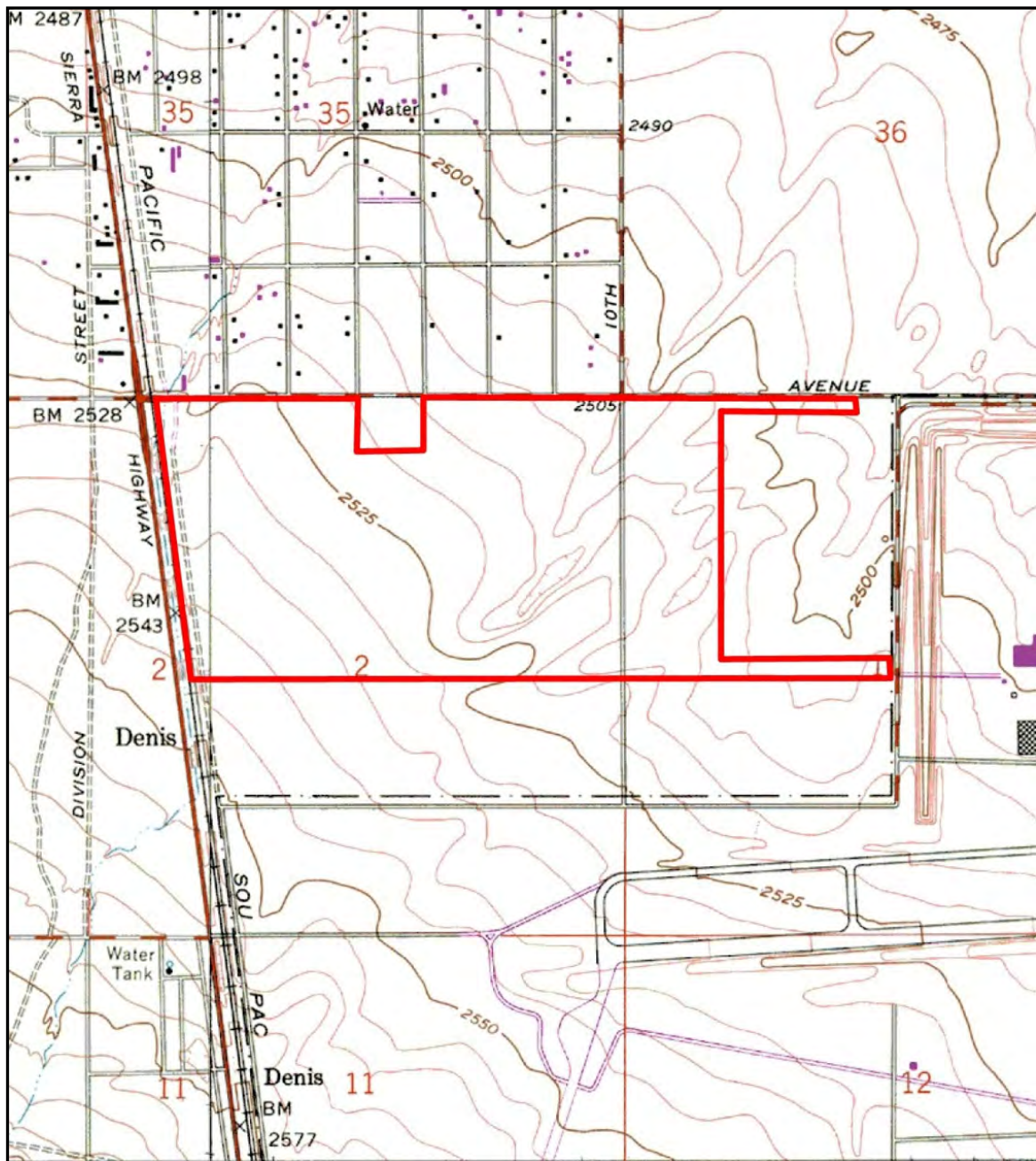


Figure 1. Project site on topographic map.

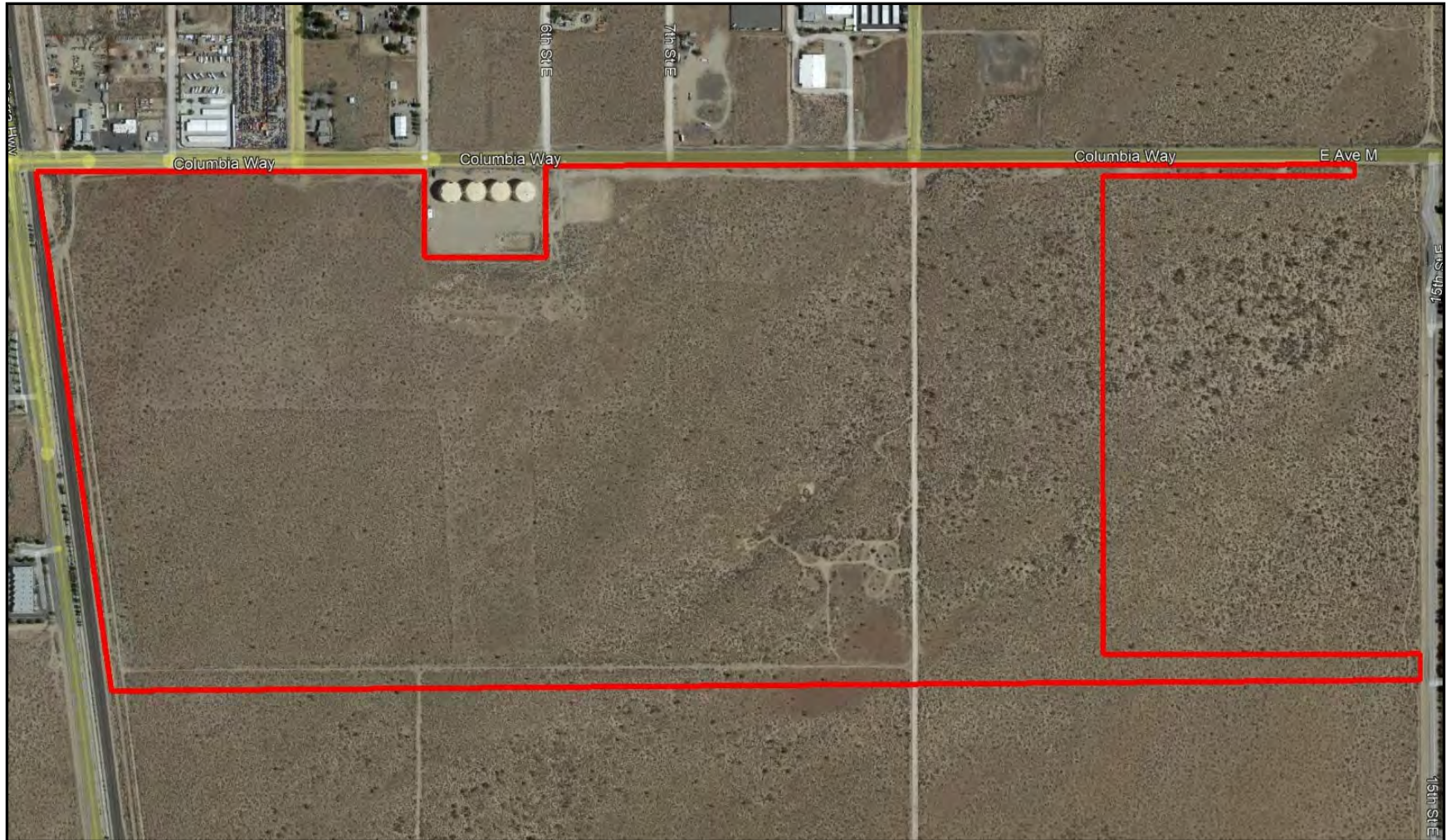


Figure 2. Project site on an aerial photo

2. SITE DESCRIPTION

The project site is located at the suburban edge of Palmdale. The project site ranges in elevation from approximately 2,445 to 2,510 feet above mean sea level and slopes slightly to the southwest (0.9 percent). The soils on the project site are predominantly Cajon loamy sands (77 percent) and Adelanto sandy loams (23 percent) (NRCS, 2022).

The plant communities on the project site are as follows:

Disturbed. There are several small areas of disturbed land cover with little to no vegetation, other than ruderal species such as rabbitbrush (*Ericameria nauseosa*).

Rabbit rubberbrush scrub (*Ericameria nauseosa* Shrubland Alliance). Common plants in this community include rubber rabbitbrush, cheesebush (*Ambrosia salsola*), Anderson's boxthorn (*Lycium andersonii*), and Mormon tea (*Ephedra nevadensis*). Common annuals include bristly fiddleneck (*Amsinckia tessellata*), redstem filaree (*Erodium cicutarium*), and dove weed (*Croton setiger*).

Joshua tree woodland (*Yucca brevifolia* Woodland Alliance). Joshua trees (*Yucca brevifolia*) occur in varying densities across the project site, but the woodland is most developed in the eastern part. Common shrubs in this community include Cooper's boxthorn (*Lycium cooperi*), rubber rabbitbrush, Mormon tea, creosote bush (*Larrea tridentata*), silver cholla (*Cylindropuntia echinocarpa*), fourwing saltbush (*Atriplex canescens*), spiny hop-sage, winter fat, and California matchweed (*Gutierrezia californica*). Common annuals include Mojave sand-verbena (*Abronia pogonantha*), bristly fiddleneck, desert dandelion (*Malacothrix glabrata*), San Bernardino suncup (*Camissoniopsis confusa*), goldfields (*Lasthenia sp*), and white layia (*Layia platyglossa*).

Ephedra, desert mixed scrub (*Ephedra nevadensis* - *Lycium andersonii* - *Grayia spinosa* Shrubland Alliance). Common shrubs in this community include Mormon tea, fourwing saltbush, cheesebush, Mojave cottonthorn, spiny hop-sage, Anderson's boxthorn, creosote bush, rubber rabbitbrush, and winter fat. Common annuals include cheatgrass (*Bromus tectorum*), red brome (*B. rubens*), bristly fiddleneck, redstem filaree, and desert dandelion.

3. METHODS

A literature review of the MGS population and issues in the project area included the following:

- Records in the California Natural Diversity Database (CNDDDB, California Department of Fish and Wildlife [CDFW] 2022);
- Summaries of MGS surveys in the project region for the periods 2013-2020, 2008-2012, and 1998-2007 (Leitner 2021, 2015, and 2008), and
- The California Department of Fish and Wildlife 2019 Mohave ground squirrel Conservation Strategy (CDFW 2019).

The project site contains potentially suitable habitat for MGS and is within the species' historical range (CDFW 2019). Therefore, a habitat assessment, live-trapping surveys, and a camera trapping study, were conducted for MGS on the project site.

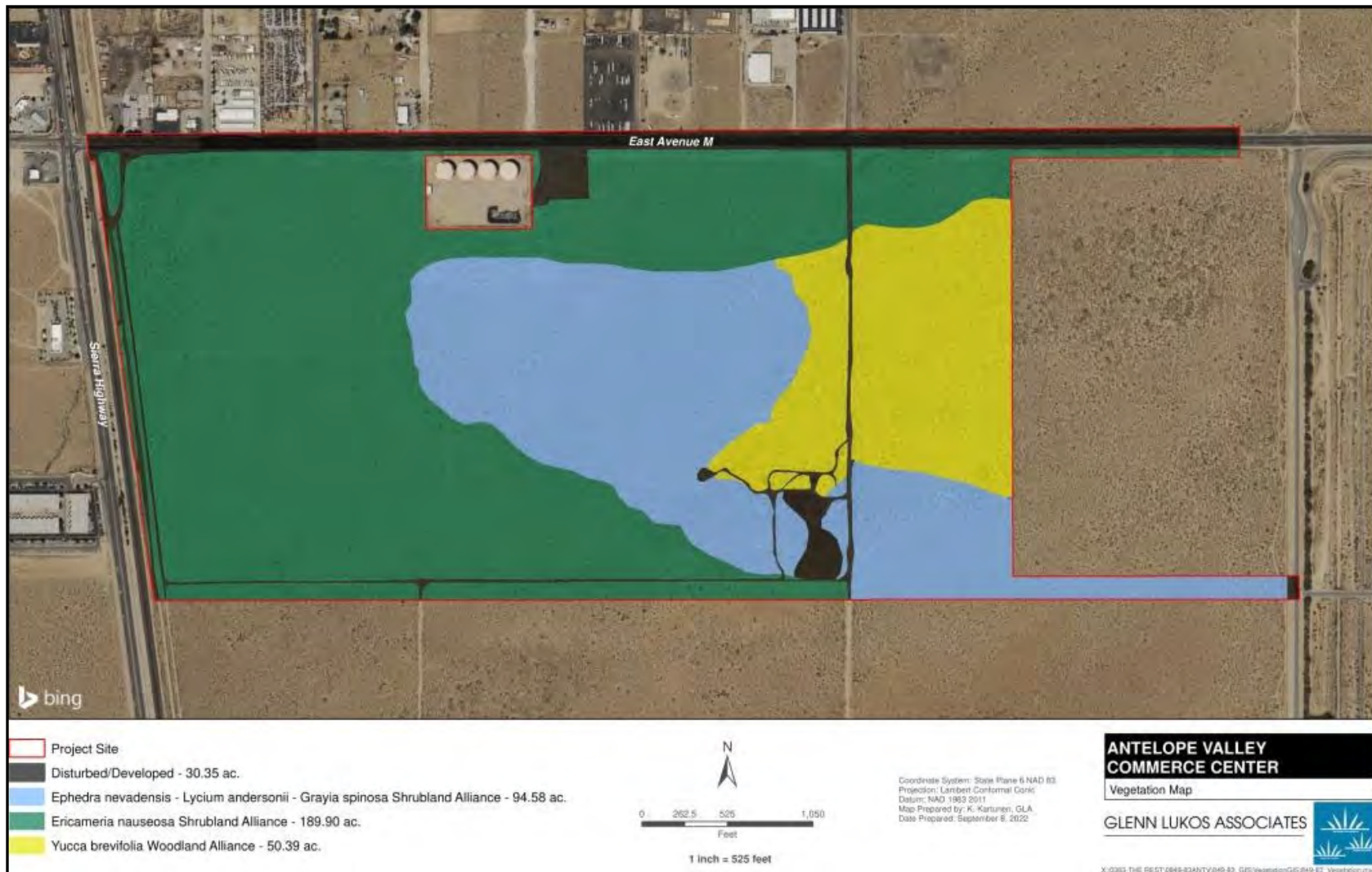


Figure 3. Plant communities.

Habitat Assessment

A habitat assessment was carried out on March 20, 2022 that examined soil, vegetation, topographic and disturbance features to assess the suitability of habitat for MGS on the project site. In addition, records were examined from the California Natural Diversity Database (CNDDDB; California Department of Fish and Wildlife [CDFW] 2022).

Live-trapping Surveys

The CDFW was contacted for a consultation on the live-trapping survey design in accordance with the MGS survey guidelines (CDFW 2010). The consultation attempts included phone messages and a letter to CDFW in March 2022 proposing a trap effort of four standard grids (100 traps, three sessions). A follow-up phone call and letter requesting consultation on the trap plan was sent to the CDFW officer assigned for MGS issues in the Palmdale area on April 10, 2022. No response was received. In the absence of CDFW's response, it was decided to utilize four survey grids and 20 camera stations for three sessions. Six of the camera stations were implemented as a replacement for a fifth grid in the center of the project site.

The survey trap effort included four grids of 100 live-traps arranged in 10 x10 squares with 35-meter spacing. Table 1 lists the UTM coordinates of the grid corners.

Table 1. UTM coordinates of four grids*				
Grids	Corners			
	NW	NE	SE	SW
1	398003, 3834224	398318, 383424	398318, 3833909	398003, 3833909
2	397998, 3833855	398313, 3833855	398313, 3833540	397998, 3833540
3	396938, 3833869	397253, 3833864	396935, 3833556	397248, 3833552
4	396010, 3834290	396325, 3834290	396325, 3833975	396010, 3833975
* NAD 83.				

The trapping survey totaled 6,000 live trap-days. Traps were opened within one hour of sunrise and checked at least every four hours. Traps were closed within one hour of sunset, or when the air temperature reached 90°F measured at 6 inches above the ground in the shade. Traps were baited with four-way commercial livestock feed mixed with bird seed. Traps were sometimes left open between dusk and dawn to inventory nocturnal small mammals. Figure 4 shows the grid locations.

Camera Study

A camera study was carried out to supplement the live-trapping surveys. Camera surveys are not required under the CDFW MGS survey guidelines (2010), but are recommended by CDFW field officers. The camera station survey used 20 wildlife cameras¹ set up and operated in accordance with recommendations in Delaney et. al (unpublished). The camera survey effort totaled 300 camera days, using six camera stations in the central part of the project site in lieu of a fifth trap grid and 14 camera stations within and outside the four trapping grids. The cameras were operated from dawn to dusk for three 5-day sessions; bait was renewed every other day. The camera station locations are shown in Figure 4.

¹ The cameras used were mainly Browning ProX trail cameras, and several K&F Concept and Meidase P60 cameras.
MGS survey, Antelope Valley Commerce Center, Palmdale

4. RESULTS

Habitat Assessment

The three main plant communities on the project site (rabbit rubberbrush, desert mixed scrub, and Joshua tree woodland) are potentially suitable habitat for MGS. However, parts of the site have disturbance histories that may affect habitat quality for MGS. Figure 5 shows the project site on a 1995 aerial (Google Earth 2022) indicating that the south and north-central parts of the project site within the rabbit rubberbrush community had been grubbed prior to 1995. Figure 6 shows the boundaries of this disturbance, which covers approximately 90 acres. This area of previous disturbance is potentially suitable for MGS, however, the habitat quality is lower than in the undisturbed plant communities on the project site. Photos 2 and 3 show two of the disturbed areas.

There are several small areas of severe disturbance (yellow polygons in Figure 6) totaling approximately 9.9 acres that would not be considered “live-in” habitat for MGS. Photo 2 shows the disturbed area around the storage tanks south of Columbia Avenue (West Ave. M).

Live-Trapping

The survey consisted of four grids (15 days of live-trapping, 100 traps each day) for a total trap effort of 6,000 trap-nights. Table 2 lists the dates of the MGS surveys. The fauna observed during the surveys is found in Appendix 2. The weather conditions during the surveys are summarized in Appendix 3. Appendix 4 contains the MGS Survey and Trapping Forms for the four grids.

Table 2. Dates of MGS surveys			
Grid, surveyor	Session 1	Session 2	Session 3
Grid 1, CJ Randel	4/15-4/19	5/10-5/14	6/15-6/19
Grid 2, CJ Randel	4/20-4/24	5/15-5/19	6/20-6/24
Grid 3, P Brylski	3/26-3/31	5/7-5/12	7/5-7/9
Grid 4, K/K Flores	4/17-4/21	5/27-5/31	6/15-6/19

No MGS were captured during the survey, and none were observed or heard on site or in the adjoining areas. Adult (Ad) and sub-adult (SA) white-tailed antelope ground squirrels (AGS, *Ammospermophilus leucurus*) were captured on all four grids. There were also some captures of the California ground squirrel (CGS, *Otospermophilus beecheyi*). Table 3 summarizes the ground squirrel captures. The night-time trapping yielded Merriam’s kangaroo rat (*Dipodomys merriami*), Panamint kangaroo rat (*D. panamintinus*), deer mouse (*Peromyscus maniculatus*), and the southern grasshopper mouse (*Onychomys torridus pulchra*).

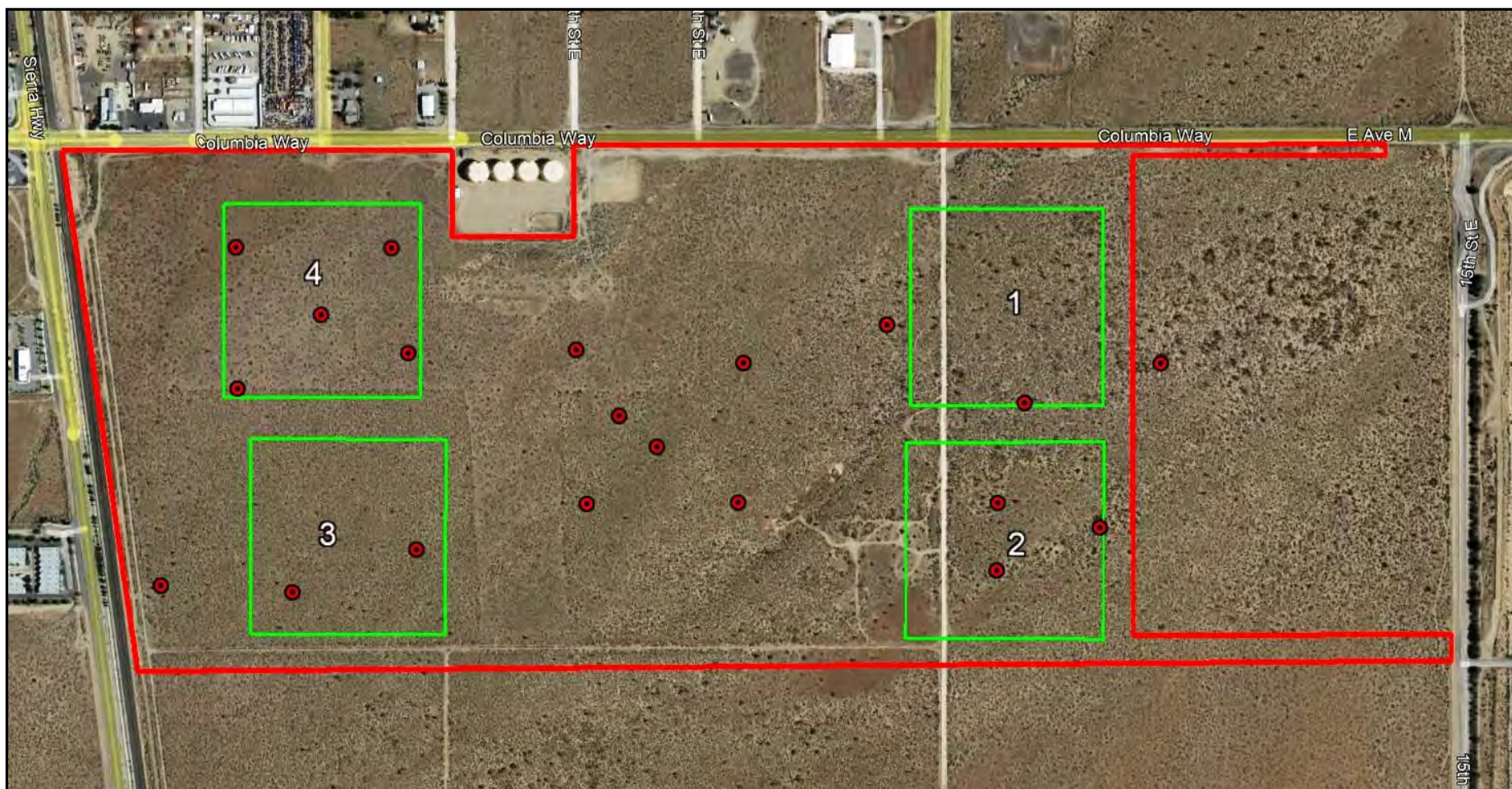


Figure 4. Locations of grids (numbered green squares) and camera stations (red circles).



Figure 5. 1994 aerial photo of project site showing vegetation disturbance in south-central and northern parts of site.



Figure 6. 1994 aerial photo of project site with disturbed areas outlined (yellow and blue polygons)..

Table 3. Small mammal captures							
Grid	Session	AGS					CGS
		Ad Male	Ad Female	SA Male	SA Female	Total AGS	
1	Session 1	1	0	0	0	1	0
	Session 2	2	0	0	0	2	0
	Session 3	0	1	1	0	2	0
	subtotals	3	1	1	0	5	0
2	Session 1	2	3	0	0	5	0
	Session 2	1	2	1	1	5	0
	Session 3	2	2	0	1	5	0
	subtotals	5	7	1	2	15	0
3	Session 1	4	3	0	0	7	
	Session 2	2	1	3	3	9	1
	Session 3	0	1	2	5	8	1
	subtotals	6	5	5	8	24	2
4	Session 1	4	5	8	8	25	
	Session 2	3	4	4	2	13	6
	Session 3	3	0	7	3	13	2
	subtotals	10	9	19	13	51	8
	Total					95	

Camera Survey

No Mohave ground squirrels were detected. AGS were recorded at most of the camera stations. Other species recorded include common raven (*Corvus corax*), horned lark (*Eremophila alpestris*), and black-tailed jackrabbits (*Lepus californicus deserticola*).

5. DISCUSSION

Mohave ground squirrel habitat suitability

MGS typically occur in relatively undisturbed scrub habitats with a range of shrub species composition, often when food plants such as winter fat, spiny hop-sage, saltbush, and golden linanthus are present. These food plants preferred by MGS occur on the project site. The rubber rabbitbrush, desert mixed scrub, and Joshua tree woodland habitats on the project site are potentially suitable for MGS. The disturbed areas within the project site (Figure 6) cover approximately 100 acres. Based on the species composition of the rubber rabbit bush community and the presence of sandy friable soils, MGS could occupy the 90 acres of habitat disturbed by past shrub removal (the blue polygon in Figure 6). However, MGS habitat quality in this community is lower than in undisturbed habitats on the project site. The most disturbed parts of the project site (the yellow polygons in Figure 6) total 9.86 acres and would not be considered “live-in” habitat for MGS.

MGS Occurrences in Project Area

The project site is located in the southwestern corner of the species' range. The nearest MGS records are:

- 2 miles S, 0.5 miles E of Lancaster (CNDDDB occurrence 26). These include a museum record from 1920 and a visual observation from 1985. This site is approximately 2 miles north of the project site.

- 1 mile N and 2 mile N of Palmdale (occurrence 24). These are museum records from 1920 and a visual observation from 1985. This site is approximately 3 miles south of the project site.
- East of Air Force Plant 42 (occurrence 177). This is a visual observation from 1973. This site is approximately 4 miles east of the project site; and
- 4 miles E/NE of Palmdale (occurrence 134), capture record from 1977. This site is approximately 4 miles southeast of the project site.

MGS Survey Results in Project Area from 1998 to 2020

Numerous protocol or regional trapping surveys carried out in that area from 1998 to 2020 did not yield any MGS occurrences. Leitner (2008, 2015, 2021) summarized the results from all MGS surveys across the species range over three time periods. The survey results for the project region are as follows:

- In the 1998-2007 period, Leitner (2008) showed 15 or more MGS live-trapping surveys in the Palmdale-Lancaster area, which yielded no MGS captures.
- In the 2008 to 2012 period, Leitner (2015) showed eight MGS live-trapping surveys in the Palmdale-Lancaster area, which yielded no MGS captures; and
- In the 2013-2020 period, Leitner (2021) showed three MGS live-trapping surveys in the Palmdale-Lancaster area, which yielded no MGS captures.

The MGS surveys on the project site in 2022 included visual/aural surveys and live-trapping and camera station surveys and yielded no MGS occurrences. According to the Mohave Ground Squirrel Survey Guidelines (CDFG 2010), “If a survey conducted according to these guidelines results in no capture or observation of the Mohave Ground Squirrel on a project site, this is not necessarily evidence that the Mohave Ground Squirrel does not exist on the site or that the site is not actual or potential habitat of the species. However, in the circumstance of such a negative result, the Department will stipulate that the project site harbors no Mohave Ground Squirrels. This stipulation will expire one year from the ending date of the last trapping on the project site conducted according these guidelines.”

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Appendix 1. Site photos.



Photo 1. Disturbed area colonized by rubber rabbitbrush in the area around the storage tanks, looking east.



Photo 2. Disturbed habitat in the northwestern part of the project site, looking east.



Photo 3. Disturbed area in the south-central part of the project site, looking northeast



Photo 4. Grid 1, northwestern corner, looking south.



Photo 5. Grid 1, southwestern corner, looking north.



Photo 6. Grid 2, east-central part, looking southeast.



Photo 7. Grid 2, southwest corner, looking north.



Photo 8. Grid 3, southwestern corner, looking north.



Photo 9. Grid 3, northeastern corner, looking northeast.



Photo 10. Grid 4, southern part, looking northeast.



Photo 11. Grid 4, northern part, looking southwest.

Appendix 2. Fauna

Reptiles	
Desert night lizard	<i>Xantusia vigilis</i>
Common side-blotched lizard	<i>Uta stansburiana</i>
Long-nosed leopard lizard	<i>Gambelia wislizenii</i>
Great Basin whiptail	<i>Aspidocellis tigris tigris</i>
Western fence lizard	<i>Sceloporus occidentalis</i>
Desert spiny lizard	<i>Sceloporus magister</i>
Coachwhip	<i>Masticophis flagellum</i>
Mojave green	<i>Crotalus scutulatus</i>
Birds	
Common raven	<i>Corvus corax</i>
House finch	<i>Haemorhous mexicanus</i>
Yellow- rumped warbler	<i>Setophaga coronata</i>
Horned lark	<i>Eremophila alpestris</i>
White-crowned sparrow	<i>Zonotrichia leucophrys</i>
LeConte's thrasher	<i>Toxostoma lecontei</i>
Northern mockingbird	<i>Mimus polyglottos</i>
Eurasian collared-dove	<i>Streptopelia decaocto</i>
Mourning dove	<i>Zenaida macroura</i>
Cactus wren	<i>Campylorhynchus brunneicapillus</i>
Bell's sparrow	<i>Artemisiospiza belli</i>
Vaux's swift	<i>Chaetura vauxi</i>
European starling	<i>Sturnus vulgaris</i>
Red-tailed hawk	<i>Buteo jamaicensis</i>
Short-eared owl	<i>Asio flammeus</i>
Loggerhead shrike	<i>Lanius ludovicianus</i>
Ash-throated flycatcher	<i>Myiarchus cinerascens</i>
Sharp-shinned hawk	<i>Accipiter striatus</i>
California quail	<i>Callipepla californica</i>
Pacific brant	<i>Branta bernicla</i>
American crow	<i>Corvus brachyrhynchos</i>
Lark sparrow	<i>Chondestes grammacus</i>
Western kingbird	<i>Tyrannus verticalis</i>
Mammals	
Black-tailed jackrabbit	<i>Lepus californicus</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>
White-tailed antelope squirrel	<i>Ammospermophilus leucurus</i>
Merriam's kangaroo rat	<i>Dipodomys merriami</i>
Panamint kangaroo rat	<i>Dipodomys panamintinus</i>
Deer mouse	<i>Peromyscus maniculatus</i>
southern grasshopper mouse	<i>Onychomys torridus pulchra</i>
Kit fox	<i>Vulpes macrotis</i>

Appendix 3. Weather Data for MGS Grids

Grid 1

Date	Temperature (F)				Cloud Cover (%)				Wind (mph)			
	Min	Time	Max	Time	Min	Time	Max	Time	Min	Time	Max	Time
4/16	46	0700	66	1700	10	0900	30	0700	8	0900	18	1230
4/17	49	0700	85	1400	5	0700	10	1600	0	0700	15	1200
4/18	57	0700	81	1215	25	0700	40	1500	0	0700	18	1830
4/19	57	0700	75	1500	15	1100	50	0700	3	1500	17	0700
4/20	52	0700	68	1500	0	1600	10	0700	0	0700	12	1500
5/10	42	0610	68	1517	25	1800	30	0610	0	0645	15	1517
5/11	39	0600	61	1500	3	0600	17	1050	0	0600	5	1800
5/12	40	0600	77	1800	0	0600	30	1910	0	0600	17	1050
5/13	51	0600	86	1500	0	0600	0	1820	0	0600	10	1700
5/14	49	0600	92	1320	*		*		0	0600	10	1215
6/15	65	0600	93	1115	0	0600	0	1115	0	0600	10	0945
6/16	64	0545	91	1040	0	0545	0	1040	0	0545	8	1040
6/17	61	0545	81	1130	50	0545	10	1400	0	0545	20	
6/18	58	0545	80	1500	0	0715	15	0545	0	0545	12	0715
6/19	52	0550	85	1515	0		0		0	0545	0	0700
* high dispersed cloud cover												

Grid 2

Date	Temperature (F)				Cloud Cover (%)				Wind (mph)			
	Min	Time	Max	Time	Min	Time	Max	Time	Min	Time	Max	Time
4/21	47	0700	1400	68	0	0700	15	1505	3	1200	18	0830
4/22	45	0700	64	1610	30	0700	30	1830	0	0700	20	1610
4/23	40	0700	70	1445	0	1445	15	0700	0	0700	13	1200
4/24	47	0700	78	1600	0	0700	0	1830	0	0700	10	1700
4/25	45	0645	85	1500	*		*		0	0645	12	1055
5/15	53	0600	91	1130	30	0600	75	1130	0	0710	10	1100
5/16	65	0545	91	1415	0	0545	0	1415	4	0545	20	1415
5/17	60	0545	90	1545	0	0545	0	1545	0	0545	20	1500
5/18	62	0545	90	1130	0	0545	0	1130	0	0545	9	1130
5/19	65	0545	90	1145	*		*		4	0705	18	0945
6/20	52	0545	92	1425	0	0545	0	1425	0	0545	18	1425
6/21	65	0545	81	1115	0	0545	0	1115	0	0545	8	1100
6/22	68	0545			90	0545			0	0545		
6/23	64	0545	91	1230	10	0545	10	1200	0	0545	10	0955
6/24	71	0545	93	1020	0	0545	0	1040	0	0545	0545	10
* high dispersed cloud cover												

Grid 3

Date	Temperature (F)				Cloud Cover (%)				Wind (mph)			
	Min	Time	Max	Time	Min	Time	Max	Time	Min	Time	Max	Time
3/26	51	0700	83	1430	15	1500	50	1030	0	1030	5-7	1430
3/27	55	0700	76	1700	15	1700	80	0700	0	0700	15	1800
3/28	55	0715	61	1400	40	0715	99	1730	3-6	1730	4-6	0715
3/29	52	0715	65	1330	0	1700	1	0715	3-6	1700	4-8	1230
3/30	51	0715	80	1530	0	0715	70	1630	0	0715	4-7	1630
5/7	55	0720	79	1300	5	0720	15	1700	1-4	0720	4-9	1700
5/8	50	0730	74	1200	1	0730	40	1800	2-6	0730	5-8	1300
5/9	50	0700	66	1800	5*	0700	15	1230	1-3	0700	4-7	1700
5/10	48	0715	63	1700	0	0715	0	1830	2-6	1100	4-8	0715
5/11	48	0730	59	1330	0	0730	0	1330	3-6	1330	3-9	0730
7/5	69	0600	90	1345	0	0600	0	1830	2-3	0600	2-7	1345
7/6	65	0600	90	1300	0	0600	0	1300	1-4	0600	3-9	1300
7/7	59	0550	90	1215	0	0550	0	1215	0-1	0550	1-3	1215
7/8	69	0545	90	1045	2	0545	1	1045	1	0545	1	1045
7/9	70	0555	90	1030	0	5555	0	1030	0	5555	0	1030
* high dispersed cloud cover												

Grid 4

Date	Temperature (F)				Cloud Cover (%)				Wind (mph)			
	Min	Time	Max	Time	Min	Time	Max	Time	Min	Time	Max	Time
4/17	59.1		85.2		0		0		4.8		3.1	
4/18	58.4		87.8		5		70		2.7		6.3	
4/19	57		77.8		5		25		10.8		16.8	
4/20	54.6		68		5		5		8.8		13.2	
4/21	54.5		64		0		30		18.7		19	
5/27	71.7		90		5		25		1.9		12.5	
5/28	67.3		84.2		10		10		8.7		19.8	
5/29	61.2		73.6		10		10		17.8		21.7	
5/30	65.1		80.4		2		0		15.9		20.5	
5/31	67		89.6		0		0		7.4		2.5	
6/15	62.4		87.2		0		0		1.8		2.5	
6/16	70		90		0		0		1.3		1.2	
6/17	63.9		80.8		5		25		3.2		15.1	
6/18	56.5		83		0		2		8.2		14.8	
6/19	58.7		87		0		0		7.1		8.2	
* high dispersed cloud cover												

Appendix 4. Mohave Ground Squirrel (MGS) Survey and Trapping Forms

Part I – Project Information							
Grid 1		Project Name: <u>Antelope Valley Commerce Center</u>				Township: <u>6N</u>	
		Property Owner: <u>Private</u>				Range: <u>12W</u>	
		Quad/Map Series: <u>Lancaster East 7.5'</u>				Section: <u>NW¼ S1, NE¼ S2</u>	
UTM Coordinates of grid corners (NAD 83, error <6m)							
NW Corner		NE Corner		SE Corner		SW Corner	
Easting	Northing	Easting	Northing	Easting	Northing	Easting	Northing
398003	3834224	398318	3834224	398318	3833909	398003	3833909
Acreage of Project Site (or linear distance):						27 Acres	
Acreage of potential MGS habitat on site (or linear distance):						365 Acres	
Visual Surveys of potential MGS habitat conducted on:						March 20, 2022	
Visual Surveys conducted by:						Phil Brylski	
Total # of grids:						4 grids, 20 camera stations	
Session	Start Date	End Date	Trapping Conducted By:				
1	4/15/22	4/19/22	Charles J. Randel				
2	5/10/22	5/14/22	Charles J. Randel				
3	6/15/22	6/19/22	Charles J. Randel				
Part II –General Habitat Description							
Vegetation							
Dominant Perennials		<i>Yucca brevifolia</i> , <i>Atriplex canescens</i> , <i>Ambrosia salsola</i> , <i>A. dumosa</i> , <i>Lycium andersonii</i> , <i>Ephedra</i> sp., <i>Grayia spinosa</i> , <i>Tetradymia axillaris</i> ,					
Other Perennials		<i>Cylindropuntia echinocarpa</i> , <i>Larrea tridentata</i> , <i>Krashcheninnikovia lanata</i> , <i>Gutierrezia californica</i> , <i>Eriogonum inflatum</i>					
Dominant Annuals		<i>Abronia pogonatha</i> , <i>Amsinkia tessellata</i> , <i>Camissoniopsis confusa</i> , <i>Malacothrix glabrata</i> , <i>Cryptantha</i> sp., <i>Layia platyglossa</i> , <i>Leptosyne californica</i> , <i>Lasthenia</i> sp., <i>Layia glandulosa</i> , <i>Loeseliastrum matthewsii</i> , <i>Salvia columbariae</i> , <i>Leptosyne bigelovii</i> , <i>Phacelia tanacetifolia</i> , <i>Sisymbrium</i> sp., <i>Eriophyllum pringlei</i> , <i>E. wallacei</i>					
Other Annuals							
Land Forms (<i>i.e.</i> , bajadas, washes): desert plain							
Soil Description: Cajon loamy sand (99.9%), Cajon Loamy Fine Sand (0.1%)							
Elevation: 2,050 ft.				Slope		0-9%	

Part I – Project Information																							
Grid 2		Project Name: <u>Antelope Valley Commerce Center</u>				Township: <u>6N</u>																	
		Property Owner: <u>Private</u>				Range: <u>12W</u>																	
		Quad/Map Series: <u>Lancaster East 7.5'</u>				Section: <u>SE¼, SW¼ S1</u>																	
UTM Coordinates of grid corners (NAD 83, error <6m)																							
NW Corner		NE Corner		SE Corner		SW Corner																	
Easting	Northing	Easting	Northing	Easting	Northing	Easting	Northing																
397998	3833855	398313	3833855	398313	3833540	397998	3833540																
Acreage of Project Site (or linear distance):						27 Acres																	
Acreage of potential MGS habitat on site (or linear distance):						365 Acres																	
Visual Surveys of potential MGS habitat conducted on:						March 20, 2022																	
Visual Surveys conducted by:						Phil Brylski																	
Total # of grids:						4 grids, 20 camera stations																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th>Session</th> <th>Start Date</th> <th>End Date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4/20/22</td> <td>4/24/22</td> </tr> <tr> <td>2</td> <td>5/15/22</td> <td>5/19/22</td> </tr> <tr> <td>3</td> <td>6/20/22</td> <td>6/24/22</td> </tr> </tbody> </table>				Session	Start Date	End Date	1	4/20/22	4/24/22	2	5/15/22	5/19/22	3	6/20/22	6/24/22	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th>Trapping Conducted By:</th> </tr> </thead> <tbody> <tr> <td>Charles J. Randel</td> </tr> <tr> <td>Charles J. Randel</td> </tr> <tr> <td>Charles J. Randel</td> </tr> </tbody> </table>				Trapping Conducted By:	Charles J. Randel	Charles J. Randel	Charles J. Randel
Session	Start Date	End Date																					
1	4/20/22	4/24/22																					
2	5/15/22	5/19/22																					
3	6/20/22	6/24/22																					
Trapping Conducted By:																							
Charles J. Randel																							
Charles J. Randel																							
Charles J. Randel																							
Part II –General Habitat Description																							
Vegetation																							
Dominant Perennials		<i>Yucca brevifolia, Atriplex canescens, Ambrosia salsola, A. dumosa, Lycium andersonii, Ephedra sp., Grayia spinosa, Tetradymia axillaris,</i>																					
Other Perennials		<i>Cylindropuntia echinocarpa, Larrea tridentata, Krashcheninnikovia lanata, Gutierrezia californica, Eriogonum inflatum</i>																					
Dominant Annuals		<i>Abronia pogonatha, Amsinkia tessellata, Camissoniopsis confusa, Malacothrix glabrata, Cryptantha sp., Layia platyglossa, Leptosyne californica, Lasthenia sp., Layia glandulosa, Loeseliastrum matthewsii, Salvia columbariae, Leptosyne bigelovii, Phacelia tanacetifolia, Sisymbrium sp., Eriophyllum pringlei, E. wallacei</i>																					
Other Annuals																							
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Elevation: 2,050 ft	Slope 0-9%																						

Part I – Project Information																							
Grid 3		Project Name: <u>Antelope Valley Commerce Center</u>				Township: <u>6N</u>																	
		Property Owner: <u>Private</u>				Range: <u>12W</u>																	
		Quad/Map Series: <u>Lancaster East 7.5'</u>				Section: <u>NW¼ S2</u>																	
UTM Coordinates of grid corners (NAD 83, error <6m)																							
NW Corner		NE Corner		SE Corner		SW Corner																	
Easting	Northing	Easting	Northing	Easting	Northing	Easting	Northing																
396938	3833869	397253	3833864	397248	3833552	396935	3833556																
Acreage of Project Site (or linear distance):						27 Acres																	
Acreage of potential MGS habitat on site (or linear distance):						365 Acres																	
Visual Surveys of potential MGS habitat conducted on:						March 20, 2022																	
Visual Surveys conducted by:						Phil Brylski																	
Total # of grids:						4 grids, 20 camera stations																	
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Session	Start Date	End Date																					
1	3/26/22	3/31/22																					
2	5/7/22	5/11/22																					
3	7/5/22	7/9/22																					
Trapping Conducted By:																							
P. Brylski																							
P. Brylski																							
P. Brylski																							
Part II –General Habitat Description																							
Vegetation																							
Dominant Perennials		<i>Yucca brevifolia, Atriplex canescens, Larrea tridentate, Ambrosia salsola, A. dumosa, Lycium andersonii, Ephedra nevadensis., Grayia spinosa, Tetradymia axillaris, Krashcheninnikovia lanata, Ephedra nevadensis</i>																					
Other Perennials		<i>Ericameria nauseosa, Gutierrezia californica, Koeberlinia spinosa</i>																					
Dominant Annuals		<i>Bromus tectorum, B. rubens, Amsinkia tessellata, Malacothrix glabrata, Erodium cicutarium, Camissoniopsis confusa, Lasthenia sp., Sisymbrium sp., Hilaria sp</i>																					
Other Annuals		<i>Eschscholzia parishii, Euphorbia albomarginata</i>																					
<table style="width: 100%;"> <tr> <td style="width: 50%;">Land Forms (<i>i.e.</i>, bajadas, washes): desert plain</td> <td style="width: 50%;"></td> </tr> <tr> <td>Soil Description: Cajon loamy sand</td> <td></td> </tr> <tr> <td>Elevation: 2,530 ft.</td> <td style="text-align: right;">Slope 0-9% NE</td> </tr> </table>								Land Forms (<i>i.e.</i> , bajadas, washes): desert plain		Soil Description: Cajon loamy sand		Elevation: 2,530 ft.	Slope 0-9% NE										
Land Forms (<i>i.e.</i> , bajadas, washes): desert plain																							
Soil Description: Cajon loamy sand																							
Elevation: 2,530 ft.	Slope 0-9% NE																						

Part I – Project Information							
Grid 4		Project Name: <u>Antelope Valley Commerce Center</u>				Township: <u>6N</u>	
		Property Owner: <u>Private</u>				Range: <u>12W</u>	
		Quad/Map Series: <u>Lancaster East 7.5'</u>				Section: <u>NW¼ S2</u>	
UTM Coordinates of grid corners (NAD 83, error <6m)							
NW Corner		NE Corner		SE Corner		SW Corner	
Easting	Northing	Easting	Northing	Easting	Northing	Easting	Northing
396900	3834250	397215	3834250	397215	3833935	396900	3833935
Acreage of Project Site (or linear distance):						27 Acres	
Acreage of potential MGS habitat on site (or linear distance):						365 Acres	
Visual Surveys of potential MGS habitat conducted on:						04/20/2022	
Visual Surveys conducted by:						Phil Brylski	
Total # of grids:						4 grids, 20 camera stations	
Session		Start Date		End Date		Trapping Conducted By:	
1		4/17/2022		4/21/2022		Karla Flores	
2		5/27/2022		5/31/2022		Karla Flores	
3		6/15/2022		6/19/2022		Karla Flores	
Part II –General Habitat Description							
Vegetation							
Dominant Perennials		<i>Yucca brevifolia, Ambrosia salsola, Ephedra nevadensis, Lycium cooperi, Lycium andersonii, Ericameria nauseosa, Ericameria cooperi,</i>					
Other Perennials		<i>Krascheninnikovia lanata, Grayia spinosa, Scutellaria mexicana</i>					
Dominant Annuals		<i>Amsinckia tessellata, Erodium cicutarium, Eriogonum brachyanthum, Croton setiger,</i>					
Other Annuals		<i>Linanthus parryae, Camissonia campestris, Stephanomeria, Layia glandulosa, Phacelia crenulate, Malacothrix glabrata,</i>					
Land Forms (<i>i.e.</i> , bajadas, washes): desert plain							
Soil Description: Cajon Loamy Sand (85%); Arizo (4%); Rosamond (4%); Hesperia 4%; Unnamed 3%							
Elevation: 2,531 feet				Slope		0-2%	

APPENDIX I
JURISDICTIONAL DELINEATION REPORT

Jurisdictional Delineation Report

Antelope Valley Commerce Center Project Palmdale, California

Prepared for | T&B Planning, Inc.
3200 El Camino Real, Suite 100
Irvine, California 92602
Contact: Tracy Zinn, AICP

Prepared by | Psomas
225 South Lake Avenue, Suite 1000
Pasadena, California 91101
Contact: David T. Hughes, Senior Project Manager
T: (626) 204-6530

November 21, 2022

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Executive Summary	ES-1
1.0 Introduction	1
1.1 Project Location	1
1.2 Existing Conditions	1
1.3 Regulatory Authority	1
1.3.1 U.S. Army Corps of Engineers.....	1
1.3.2 Regional Water Quality Control Board.....	2
1.3.3 California Department of Fish and Wildlife.....	3
2.0 Methods	4
2.1 Literature Review	4
2.2 Field Survey.....	4
2.3 Jurisdictional Delineation	4
2.3.1 Non-Wetlands	4
2.3.2 Wetlands	4
3.0 Literature Review	6
3.1 USGS Topographic Quadrangle.....	6
3.2 Soil Survey.....	6
3.3 National Wetlands Inventory.....	6
3.4 Regional Water Quality Control Plan	7
4.0 Jurisdictional Analysis	9
4.1 “Waters of the United States” Determination	9
4.2 Regional Water Quality Control Board Jurisdiction.....	10
4.3 California Department of Fish and Wildlife Jurisdiction	10
5.0 Impact Analysis	11
6.0 Regulatory Approval Process	12
6.1 U.S. Army Corps of Engineers.....	12
6.2 Regional Water Quality Control Board.....	12
6.3 California Department of Fish and Wildlife	12
7.0 References	13

TABLES

<u>Table</u>	<u>Page</u>
1	Summary of Jurisdictional Resources on the Project site9
2	Summary of Wetland Sampling Data 10

EXHIBITS

<u>Exhibit</u>	<u>Follows Page</u>
1	Regional Location1
2	U.S. Geological Survey 7.5-Minute Quadrangle 1
3	Project Site1
4	Soil Map6
5	National Wetlands Inventory7
6	Jurisdictional Resources 10
7	Impacts to Jurisdictional Waters 11

ATTACHMENTS

<u>Attachment</u>	
A	Summary of Regulatory Authority
B	Literature Review Details
C	Site Photographs
D	Wetland Determination Datasheets

EXECUTIVE SUMMARY

The purpose of this Jurisdictional Delineation Report is to provide baseline data concerning the type and extent of jurisdictional resources that occur at the Palmdale Logistics Park Project Site in the city of Palmdale, Los Angeles County, California. Jurisdictional resources considered for this report include wetlands and non-wetland “waters of the United States” (WOTUS) regulated by the U.S. Army Corps of Engineers (USACE); “waters of the State” regulated by the Regional Water Quality Control Board (RWQCB); and the bed, bank, and channel of all lakes, rivers, and/or streams (and associated riparian vegetation), as regulated by the California Department of Fish and Wildlife (CDFW).

The jurisdictional delineation work was performed by Psomas Regulatory Specialist David Hughes on March 22, 2022. Based on the results of the jurisdictional delineation field work, it was determined that the total amount of jurisdictional resources on the Project site are as follows:

- **USACE Jurisdictional “waters of the U.S.”:**

Wetlands: 0.00 acre

Non-wetland waters: 0.00 acre (due to lack to connectivity to Traditional Navigable Waterway)

- **RWQCB Jurisdictional “waters of the State”:**

Wetlands: 0.00 acre

Non-wetland waters: 0.015 acre

- **CDFW Jurisdictional Streambeds:**

Streambeds/Riparian Habitat: 0.498 acre

Based on the proposed project construction footprint, no impacts to jurisdictional waters are expected.

1.0 INTRODUCTION

This Jurisdictional Delineation Report has been prepared to provide baseline data concerning the type and extent of resources under the jurisdiction of the U.S. Army Corps of Engineers (USACE), Lahontan Regional Water Quality Control Board (RWQCB), and California Department of Fish and Wildlife (CDFW) for the Antelope Valley Commerce Center Project site located in the city of Palmdale, California (hereinafter referred to as the “Project site”).

1.1 PROJECT LOCATION

The Antelope Valley Commerce Center Project site is an approximate 434-acre parcel of undeveloped land located southeast of the intersection of Sierra Highway and West Avenue M (Exhibit 1). The project site is located on the U.S. Geological Survey’s (USGS’) Lancaster East and Lancaster West 7.5-minute quadrangle maps (Exhibit 2) in Township 6 North, Range 12 West, Sections 1 and 2. The Project is bounded by East Avenue M to the north, Sierra Highway to the west, and Palmdale Regional Airport to the south. Additional undeveloped land abuts the Project site to the east.

1.2 EXISTING CONDITIONS

The Project site consists of an undeveloped parcel of land that is dominated by relatively undisturbed vegetation communities that are characteristic of the Antelope Valley (Exhibit 3). The terrain is generally flat with some minor undulations.

1.3 REGULATORY AUTHORITY

This section summarizes the federal and State agencies’ regulatory jurisdiction over activities that have a potential to impact jurisdictional resources. A detailed explanation of each agency’s regulatory authority is provided in Attachment A.

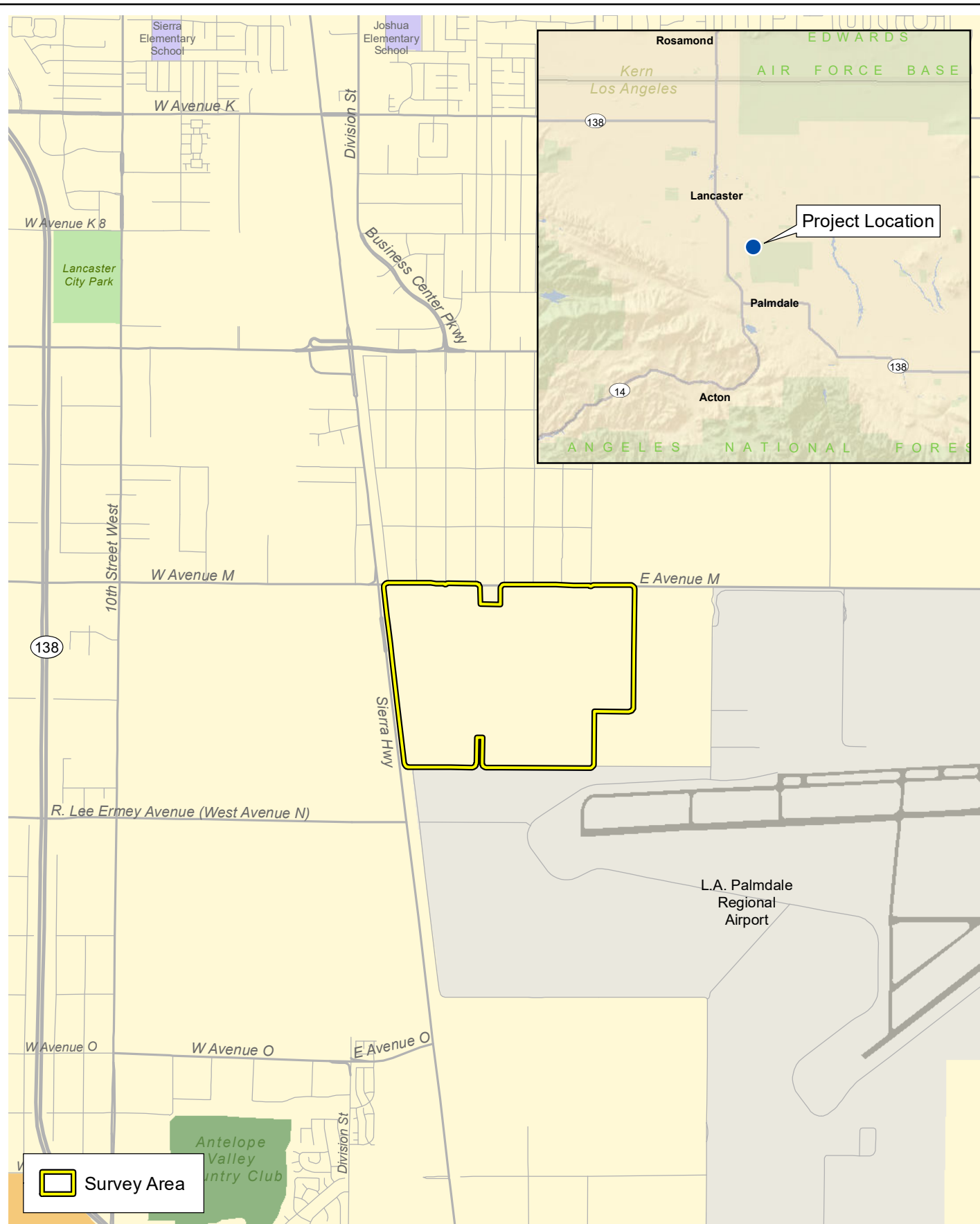
1.3.1 U.S. Army Corps of Engineers

The USACE Regulatory Branch regulates activities that discharge dredged or fill materials into “waters of the United States” (WOTUS) under Section 404 of the Federal Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. Its authority applies to all WOTUS where the material (1) replaces any portion of a WOTUS with dry land or (2) changes the bottom elevation of any portion of any WOTUS. Activities that result in fill or dredge of WOTUS require a permit from the USACE.

Recently, the definition of WOTUS has been the subject of shifting regulations. In June of 2020, the United States Environmental Protection Agency (USEPA) and the USACE published the Navigable Waters Protection Rule (NWPR). On August 30, 2021, the U.S. District Court for the District of Arizona vacated the NWPR, which led regulatory agencies to define WOTUS according to the pre-2015 regulatory regime. The USACE will utilize the pre-2015 definition of WOTUS until the USEPA issues a new final rule which is expected to be released in the spring of 2023. The current definition of the WOTUS includes the following:

1. All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
2. All interstate waters including interstate wetlands;
3. All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or

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Local Vicinity

Exhibit 1

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project

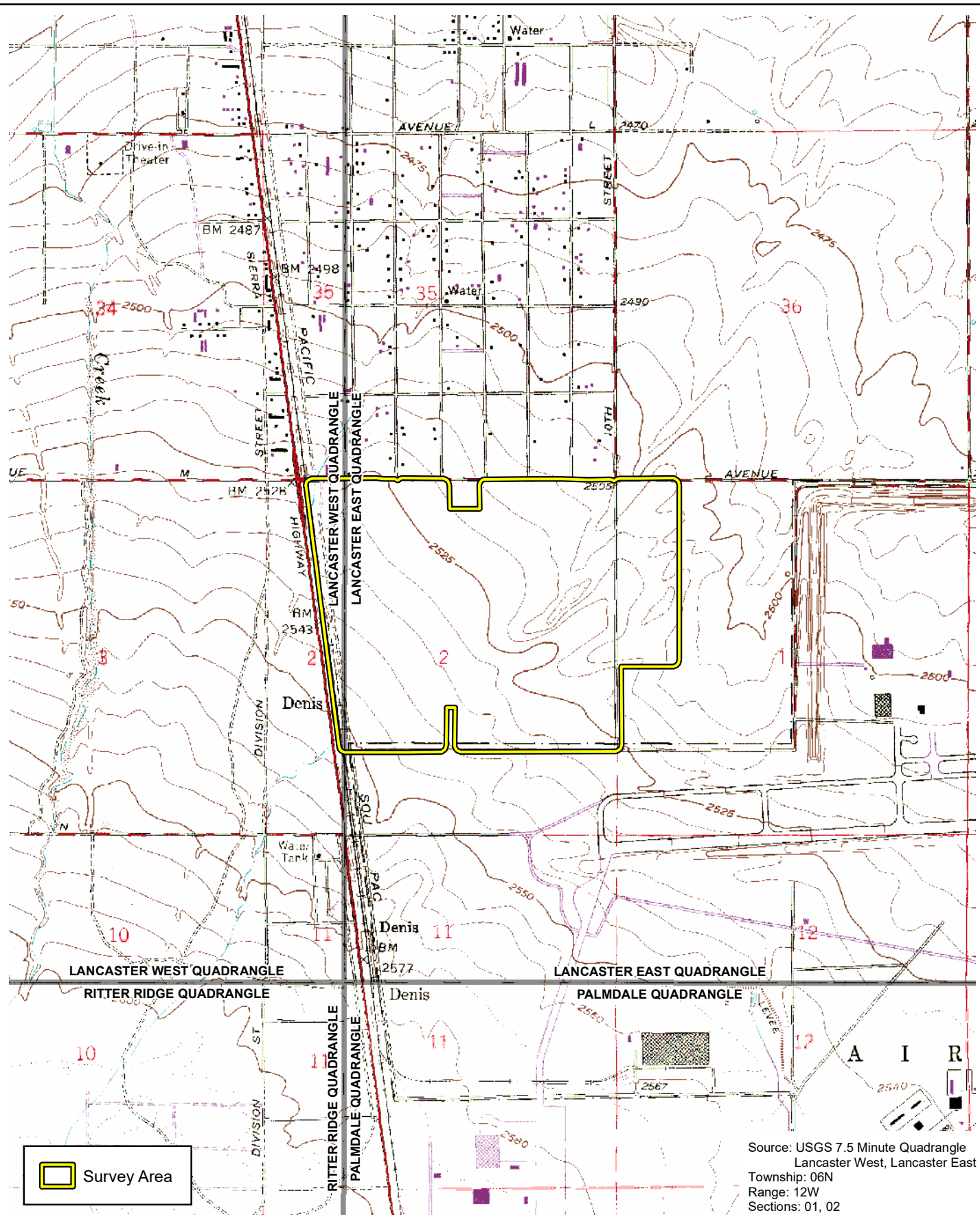


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U.S. Geological Survey 7.5-Minute Quadrangle

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project

Exhibit 2

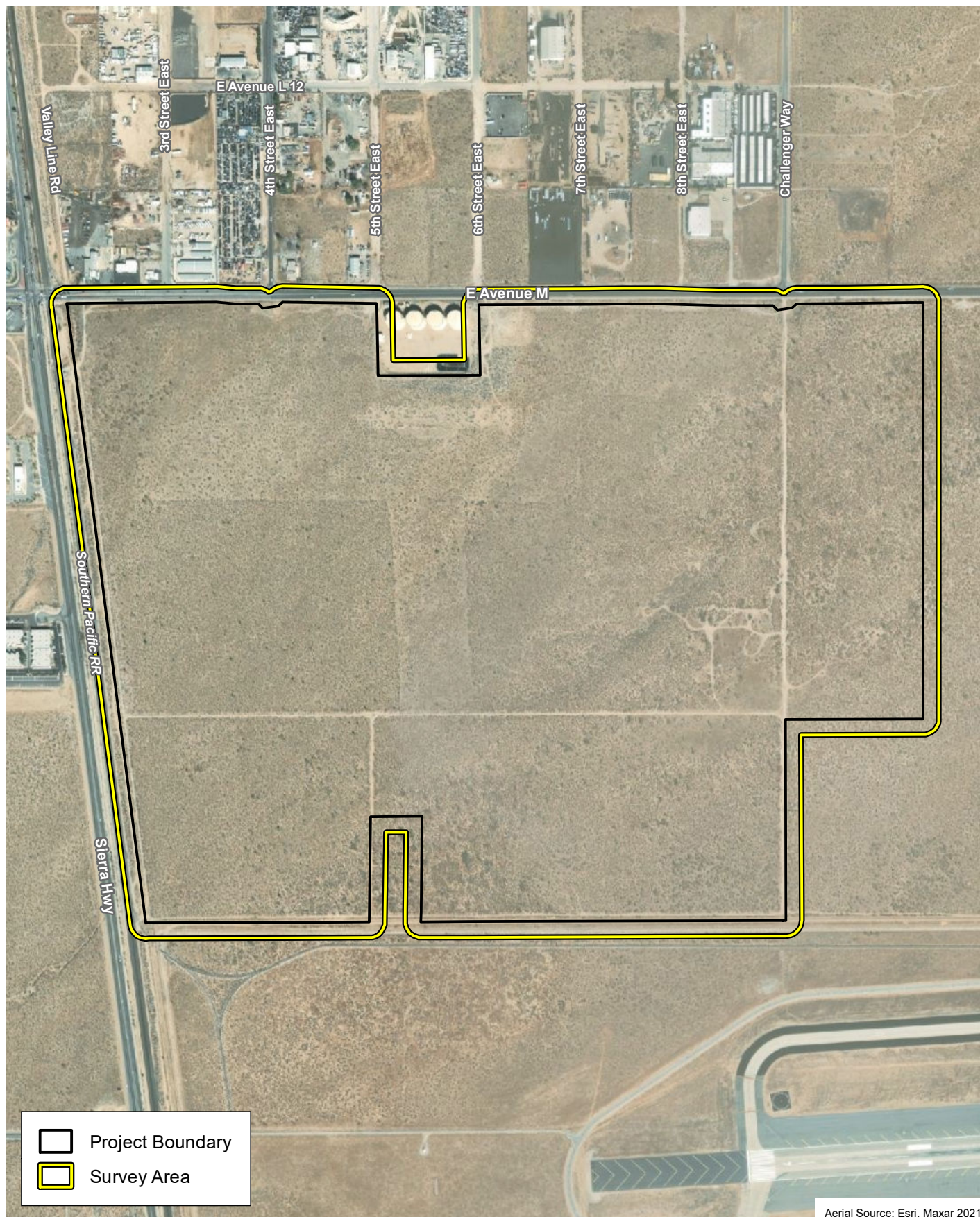


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Project Site

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project

Exhibit 3



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natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters:

- a. Which are or could be used by interstate or foreign travelers for recreational or other purposes; or
- b. From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
- c. Which are used or could be used for industrial purposes by industries in interstate commerce;
4. All impoundments of waters otherwise defined as waters of the United States under this definition;
5. Tributaries of waters identified in paragraphs 1 through 4 of this section;
6. The territorial sea.

Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in this section; waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of the CWA (other than cooling ponds as defined in 40 CFR 423.11(m) which also meet the criteria of this definition) are not waters of the United States.

1.3.2 Regional Water Quality Control Board

The State Water Resources Control Board (SWRCB), in conjunction with the nine RWQCBs, is the primary agency responsible for protecting water quality in California through the regulation of discharges to surface waters under the CWA and the California Porter-Cologne Water Quality Control Act (Porter-Cologne Act). The SWRCB's and RWQCBs' jurisdictions extend to all "waters of the State" and to all WOTUS, including wetlands (isolated and non-isolated).

The Porter-Cologne Act broadly defines "waters of the State" as any surface water or groundwater, including saline waters, within the boundaries of the State." On August 28, 2019, the Office of Administrative Law approved the State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to "waters of the State", which went into effect on May 28, 2020. Under these new regulations, the SWRCB and its nine RWQCBs will assert jurisdiction over all existing WOTUS, and all waters that have been considered WOTUS under any historical definition.

Impacts to WOTUS are authorized by the RWQCBs through a Water Quality Certification per Section 401 of the CWA. Impacts to "waters of the State" that are not considered WOTUS would be authorized by Waste Discharge Requirements issued by the RWQCB.

On April 6, 2022, the U.S. Supreme Court issued a stay of the October 2021 order by the U.S. District Court for the Northern District of California that vacated EPA's 2020 Clean Water Act Section 401 Certification Rule (2020). The stay of the vacatur applies nationwide. Therefore, the CWA section 401 certification process is once again governed by the CWA section 401 certification regulations promulgated by EPA in 2020, codified at 40 CFR 121. This 2020 rule requires all project proponents to request a pre-filing meeting with the RWQCB at least 30 days prior to filing a 401 "Certification Request". The filing procedure has been simplified to require the filing of a "Certification Request", rather than the acceptance of a "complete application".

There is a mandatory 30 day wait period between a pre-filing meeting request and the filing of a Certification Request. A Certification Request must be filed with the RWQCB and the USACE concurrently. USACE reviews the Certification Request for the nine required components. The USACE has 15 days to review the Certification Request. The USACE then notifies the RWQCB

that request is complete. And concurrently notifies the RWQCB of the reasonable time period to act on the Certification Request. The reasonable time period is not to exceed 1 year. Within 15 days of receipt of the Certification Request the RWQCB must provide the applicant with the following: 1) date of receipt; 2) applicable reasonable period of time to act on the Certification Request; and 3) date upon which waiver will occur if the certifying authority fails or refuses to act on the Certification Request.

Once the RWQCB issues the 401 Certification, the USACE has 5 days to notify the USEPA that the 401 Certification has been issued. The USEPA then has 30 days to notify neighboring jurisdictions of the 401 Certification. Neighboring jurisdictions have 60 days to respond. If there are no objections to the 401 Certification, then the USACE issues the 404 permit.

1.3.3 California Department of Fish and Wildlife

The CDFW regulates activities that may affect rivers, streams, and lakes pursuant to the *California Fish and Game Code* (§§1600–1616). According to Section 1602 of the *California Fish and Game Code*, the CDFW has jurisdictional authority over any work that will (1) substantially divert or obstruct the natural flow of any river, stream, or lake; (2) substantially change or use any material from the bed, channel, or bank of any river, stream, or lake; or (3) deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake.

2.0 **METHODS**

2.1 **LITERATURE REVIEW**

Prior to conducting the delineation and during the course of report preparation, Psomas reviewed the following documents to identify areas that may fall under agency jurisdiction: the USGS' Lancaster West and Lancaster East 7.5-minute topographic quadrangle maps; color aerial photography provided by Google Earth; soil data provided by the U.S. Department of Agriculture's Natural Resources Conservation Service (USDA NRCS 2022a); the National Hydric Soils List (USDA NRCS 2022b); the National Wetlands Inventory's Wetland Mapper (USFWS 2022); and the Water Quality Control Plan for the Lahontan Region (Lahontan RWQCB 1995).

2.2 **FIELD SURVEY**

The analysis contained in this report uses the results of a field survey conducted by Psomas Regulatory Specialist David Hughes on March 22, 2022. Jurisdictional features were delineated using a 1 inch equals 100 feet (1" = 100') scale aerial photograph. Jurisdictional drainage features were mapped as a line and the width of the agency jurisdiction was noted.

2.3 **JURISDICTIONAL DELINEATION**

2.3.1 **Non-Wetlands**

Non-wetland WOTUS are delineated based on the limits of the Ordinary High Water Mark (OHWM), which can be determined by a number of factors, including the presence of a clear, natural line impressed on the bank; shelving; changes in the character of the soil; destruction of terrestrial vegetation; and the presence of litter and debris. The OHWM limits (i.e., active floodplain) occurring on the Project site as based on methods contained in *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States, A Delineation Manual* (Lichvar and McColley 2008) and the *Updated Datasheet for the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States* (Curtis and Lichvar 2010).

It should be noted that the RWQCB shares USACE jurisdiction unless isolated conditions are present. If isolated waters are present, the RWQCB takes jurisdiction using the USACE's definition of the OHWM and/or the three-parameter wetlands method pursuant to the 1987 Wetlands Manual. The CDFW's jurisdiction is defined as the top of the bank on either side of a stream, channel, or basin or to the outer limit of riparian vegetation located within or immediately adjacent to the river, stream, creek, pond, lake, or other impoundment.

2.3.2 **Wetlands**

Technical methods and guidelines to determine the presence and extent of wetlands is described by the USACE in the *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (USACE 2008). The presence of wetlands is determined by a three-parameter approach requiring evidence of (1) wetland hydrology, (2) hydrophytic vegetation, and (3) hydric soils.

Wetland hydrology is determined by the presence of indicators such as observed surface water; presence of past surface flow; and the depth to saturated soils or free water in soil test pits.

Procedures for determining whether the hydrophytic vegetation criterion is met is based three potential indicators as described in *Regional Supplement to the Corps of Engineers Wetland*

Delineation Manual: Arid West Region (USACE 2008). These include the “Dominance Test”, using the “50/20 Rule”; the “Prevalence Index”; or the presence of “Morphological Adaptation” of vegetation that is present. These indicators are based on determining the presence and relative abundance of plant species that are categorized as Obligate Wetland (typically associated with wetland conditions); Facultative Wetland (predominantly present in wetland conditions); Facultative (equally likely to occur in wetland or non-wetland areas); Facultative Upland (predominantly found in non-wetland areas); or Upland (typically found in mesic to xeric non-wetland habitats). Plant species are categorized in the National Wetland Plant List, created by the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, and the U.S. Department of Agriculture.

Soils are determined to be hydric when they form under conditions of saturation, flooding, or ponding that occurs long enough during the growing season to develop anaerobic conditions (or conditions of limited oxygen) at or near the soil surface and that favor the establishment of hydrophytic vegetation (USDA NRCS 2022c). The presence of hydric soil conditions is determined where various indicators are observed by digging soil test pits to a depth of approximately 20 inches. Common hydric soil indicators include presence of redoximorphic features (i.e., areas where iron is reduced under anaerobic conditions and oxidized following a return to aerobic conditions); buried organic matter; organic streaking; reduced soil conditions; or sulfuric odor.

3.0 LITERATURE REVIEW

This section provides a summary of literature review results that were reviewed prior to the field survey and during report preparation that have helped inform the analysis provided in this report.

3.1 USGS TOPOGRAPHIC QUADRANGLE

The USGS topographic quadrangle maps show geological formations and their characteristics; they describe the physical settings of an area through topographic contour lines and other major surface features. These features include lakes, streams, rivers, buildings, roadways, landmarks, and other features that may fall under the jurisdiction of one or more regulatory agencies. In addition, the USGS maps provide topographic information that is useful in determining elevations, latitude and longitude, and Universal Transverse Mercator (UTM) Grid coordinates.

The Project site occurs on the USGS' Lancaster West and Lancaster East 7.5-minute topographic quadrangle maps. The project site slopes very gently from the southwest corner where the elevation is 2,565 feet above mean sea level (msl) to the northeast corner where the elevation is approximately 2,495 feet above msl. An unnamed blue line stream appears in the extreme northwest corner of the Project site.

3.2 SOIL SURVEY

The presence of hydric soils is one of the chief indicators of jurisdictional wetlands. Psomas reviewed the USDA's soil data for the survey area (Exhibit 4). The project site contains the following soils that are in the Antelope Valley Soil Survey Area:

- Adelanto coarse sandy loam, 2 to 5 percent slopes;
- Cajon loamy sand, 0 to 2 percent slopes;
- Cajon loamy sand, 2 to 9 percent slopes;
- Cajon loamy sand, loamy substratum, 0 to 2 percent slopes;
- Cajon loamy fine sand, 0 to 2 percent slopes; and
- Hesperia fine sandy loam, 0 to 2 percent slopes.

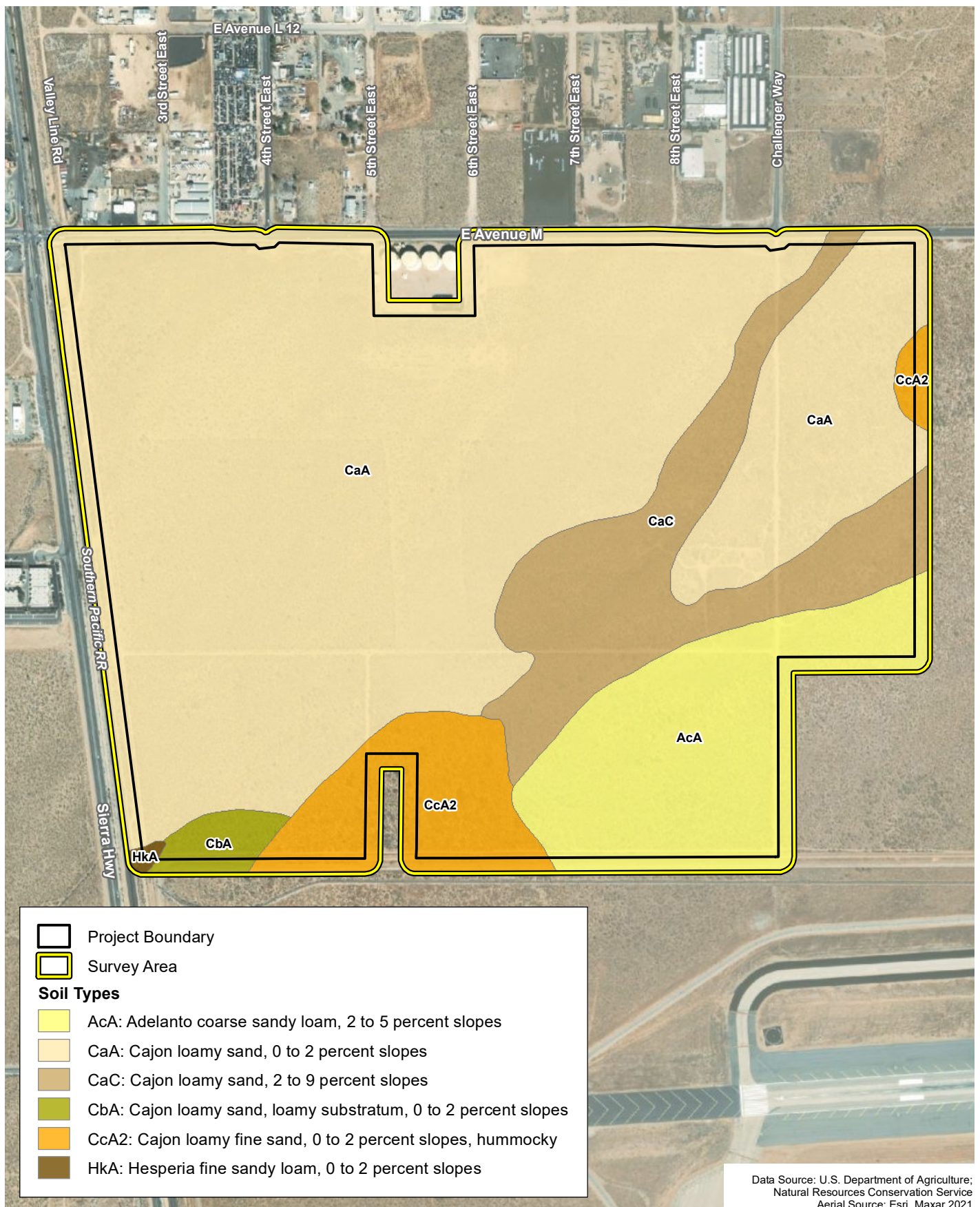
Of these soil types, Cajon loamy sand, 0 to 2 percent slopes and Hesperia fine sandy loam, 0 to 2 percent slopes are listed as hydric on the National Hydric Soils List (USDA NRCS 2022b), based on the criterion that the components of these soils are frequently ponded during the growing season. The National Hydric Soils List identifies potentially hydric soils based on information from the Natural Resource Conservation Service's soil surveys. These soils can range from hydric to non-hydric and are intended as a starting point for field investigation.

A brief description of these soils is provided in Attachment B of this report.

3.3 NATIONAL WETLANDS INVENTORY

The U.S. Fish and Wildlife Service's Wetland Mapper (USFWS 2022) shows wetland resources available from the Wetlands Spatial Data Layer of the National Spatial Data Infrastructure. This resource provides the classification of known wetlands following the Classification of Wetlands and Deepwater Habitats of the United States (FGDC 2013). This classification system is arranged in a hierarchy of (1) Systems that share the influence of similar hydrologic, geomorphologic, chemical, or biological factors (i.e., Marine Estuarine, Riverine, Lacustrine, and Palustrine); (2) Subsystems (i.e., Subtidal and Intertidal; Tidal, Lower Perennial, Upper Perennial, and

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Soil Map

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project



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Exhibit 4



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Intermittent; or Littoral and Limnetic); (3) Classes, which are based on substrate material and flooding regime or on vegetative life forms; (4) Subclasses; and (5) Dominance Types, which are named for the dominant plant or wildlife forms. In addition, there are modifying terms applied to Classes or Subclasses.

One area on the Project site is represented in the National Wetland Inventory (Exhibit 5). This feature occurs in the northern-central portion of the Project site and is mapped as PUSJ (Palustrine, Unconsolidated Shore, Intermittently Flooded) (USFWS 2022). This wetland classification is described as follows:

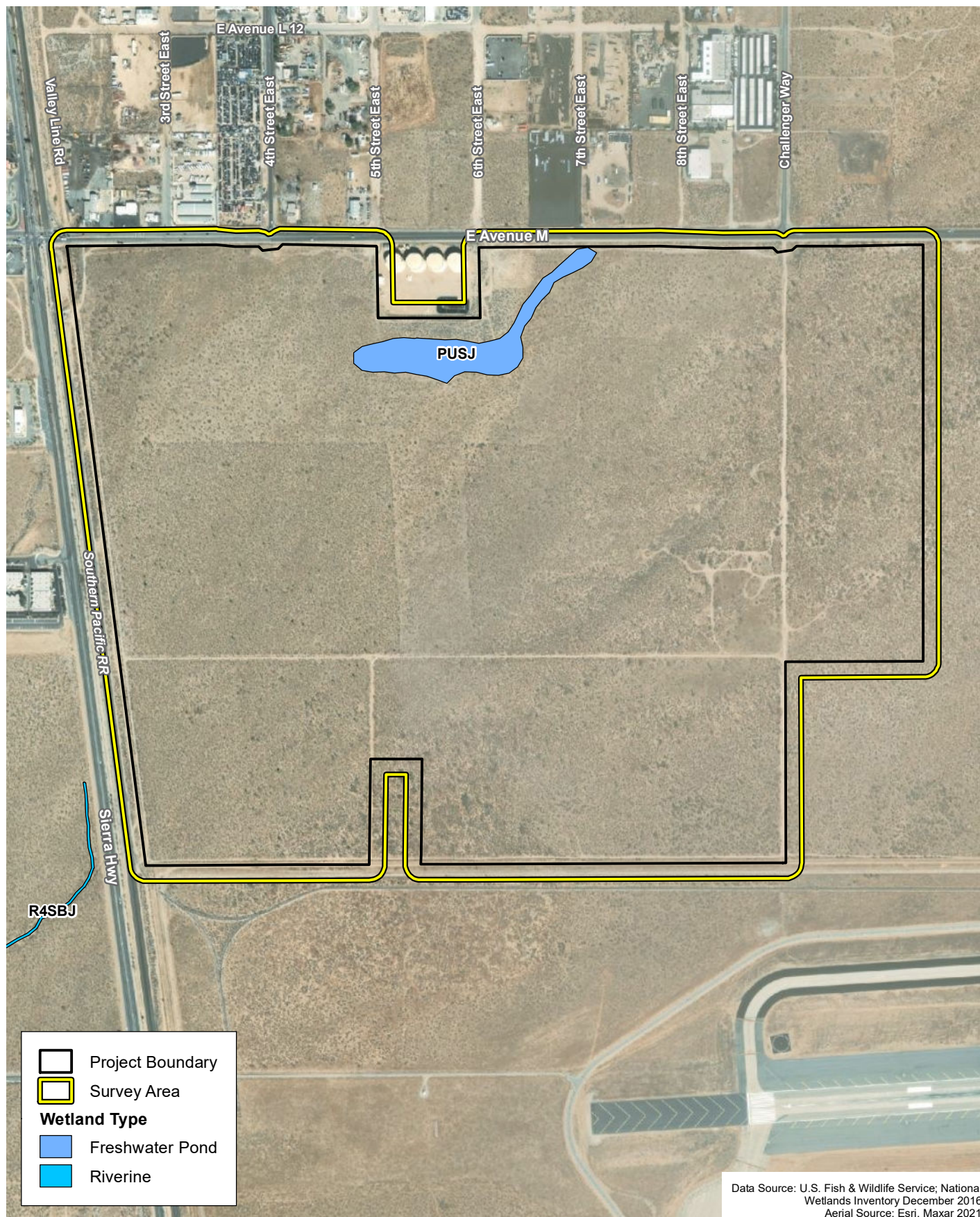
- **P: System PALUSTRINE.** The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.
 - **US: Class UNCONSOLIDATED SHORE.** Includes all wetland habitats having two characteristics: (1) unconsolidated substrates with less than 75 percent areal cover of stones, boulders or bedrock and; (2) less than 30 percent areal cover of vegetation. Landforms such as beaches, bars, and flats are included in the Unconsolidated Shore class.
 - **J: Water Regime INTERMITTENTLY FLOODED.** The substrate is usually exposed, but surface water is present for variable periods without detectable seasonal periodicity. Weeks, months, or even years may intervene between periods of inundation. The dominant plant communities under this Water Regime may change as soil moisture conditions change. Some areas exhibiting this Water Regime do not fall within our definition of wetland because they do not have hydric soils or support hydrophytes. This Water Regime is generally limited to the arid West.

3.4 REGIONAL WATER QUALITY CONTROL PLAN

There are nine Regional Water Quality Control Boards in California. The Project site is located within Regional Water Quality Control Board Region 6, the Lahontan Region. The SWRCB and the Lahontan RWQCB have adopted a Water Quality Control Plan (or “Basin Plan”) for the Lahontan Region. The Basin Plan contains goals and policies, descriptions of conditions, and proposed solutions to surface and groundwater issues. The Basin Plan also establishes water quality standards for surface and groundwater resources and includes beneficial uses and levels of water quality that must be met and maintained to protect these uses. These water quality standards are implemented through various regulatory permits pursuant to CWA Section 401 for Water Quality Certifications and Section 402 for Report of Waste Discharge permits.

The unnamed channel that passes through the Project site is not described in the Lahontan Basin Plan. Amargosa Creek is the nearest drainage feature to the Project site (located approximately 0.6 acre to the west) that is described in the Lahontan Basin Plan. Amargosa Creek occurs within the Lancaster Hydrologic Area (Hydrological Unit Number 626.50). Beneficial Uses associated with Amargosa Creek include: Municipal Water Supply (MUN); Agricultural Supply (AGR); Commercial and Sportfishing (COMM); Freshwater Replenishment (FRSH); Ground Water Recharge (GWR); Warm Freshwater Habitat (WARM); Cold Freshwater Habitat (COLD); Wildlife

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National Wetland Inventory

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project

Exhibit 5



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Habitat (WILD); Limited Water Contact Recreation (REC1); and Non-Contact Water Recreation (REC2) (Lahontan RWQCB 1995).

Descriptions of the various Beneficial Uses associated with Amargosa Creek are provided in Attachment B.

4.0 JURISDICTIONAL ANALYSIS

One jurisdictional feature was identified during the field survey which consists of an unnamed sandy wash in the extreme northwest corner of the Project site. This feature appears to historically be an overflow channel in the Amargosa River floodplain. Subsequently urbanization of the surrounding areas has cut off this channel hydrologically from the Amargosa River so that it currently conveys stormwater runoff in a northerly direction. The remainder of the Project site was surveyed carefully but it is generally flat and no other jurisdictional features were observed.

A summary of on-site jurisdictional resources is provided in Table 1 and photographs are provided in Attachment C that illustrate the general conditions on the Project site.

TABLE 1
SUMMARY OF JURISDICTIONAL RESOURCES ON THE PROJECT SITE

Feature	Latitude/Longitude (decimal degrees)		Feature Length (linear feet)	OHWM Width Range (feet)	Area of RWQCB Jurisdiction (acres)		CDFW Jurisdiction Width Range (feet)	Area of CDFW Jurisdiction (acres)
	Upstream End	Downstream End			Wetland	Non- wetland		
Unnamed sandy wash	34.644716°, -118.127546°	34.645723°, -118.127408°	330	2-3	0.00	0.015	50–93	0.498
Total					0.00	0.015		0.498
OHWM: Ordinary High Water Mark; USACE: U.S. Army Corps of Engineers; RWQCB: Regional Water Quality Control Board; CDFW: California Department of Fish and Wildlife								

4.1 “WATERS OF THE UNITED STATES” DETERMINATION

Connectivity to a Traditional Navigable Water

Water that passes through the on-site drainage continues northward through a culvert that passes under Avenue M. North of the Project site, water would potentially flow through drainage ditches that occur between the railroad and various developed lots. Water flows toward Rosamond Lake (an inland dry lakebed on Edwards Air Force Base) though the gradient of the urban ditches appear to fluctuate so that water would likely infiltrate the soil somewhere south of Avenue H. Because there are no Traditional Navigable Waterways in the region that would receive water from the Project site, the on-site waters would not be considered WOTUS and would not be under the USACE's jurisdiction.

Wetlands Determination

No hydrophytic vegetation was observed during the field survey and no depressions were noted where ponded water conditions would occur that would suggest development of wetland conditions. The National Wetland Inventory shows one area in the northern-central part of the site that is noted as a potential wetland area. In reviewing historic aerial photographs of that area, surface water is observed in 2009 but appears to be in a small rectangular area where some ground disturbance had occurred, suggesting an artificial feature. No surface water was observed in any subsequent aerial photographs. Aerial photographs prior to 2009 indicated no noticeable difference between the area and the surrounding landscape. To determine if wetland conditions were present in this area, a wetland sampling point was excavated there to determine if hydric soil conditions were present.

A Wetland Determination Data Form was filled out at the sampling point and is included in Attachment D with a summary of findings provided in Table 2.

**TABLE 2
SUMMARY OF WETLAND SAMPLING DATA**

Sampling Location	Vegetated	Dominance Test Result*	Prevalence Index Result	Hydrophytic Vegetation Present	Hydric Soil Indicators	Wetland Hydrology Indicators	Wetland?
1	Yes	0%	5.0	No	None	None	No
* Percent of dominant species that are OBL, FACW, or FAC.							

Vegetation at the sampling location was dominated by rubber rabbitbrush, a species that is common to recently disturbed areas, further suggesting that past water ponding was the result of some type of soil disturbance. Only upland vegetation was present in the vicinity of the sampling point and no indicators of hydric soil or wetland hydrology were observed. Therefore, no wetland conditions are considered present on the Project site.

4.2 REGIONAL WATER QUALITY CONTROL BOARD JURISDICTION

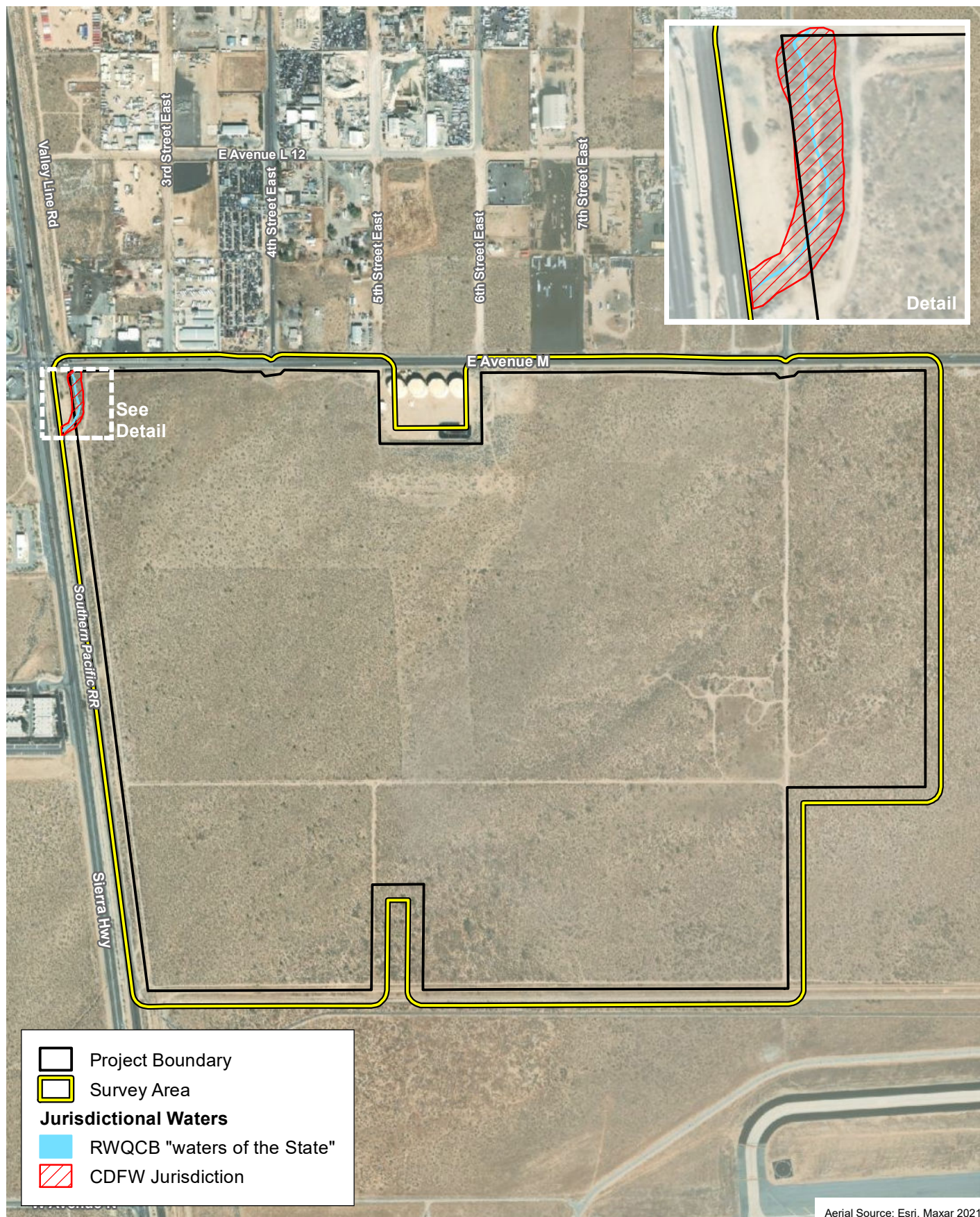
WOTUS are not considered present in the survey area due to the lack of connectivity to a TNW. However, the RWQCB's definition of "waters of the State" is much broader and includes intermittent and ephemeral waters and those that are not connected to a TNW. Therefore, the sandy wash described above would be considered "waters of the State".

The limits of non-wetland "waters of the State" were defined by the presence of the OHWM. Evidence of an OHWM in the survey area consists of scour marks created by storm water flowing through the survey area. Approximately 0.015 acre of non-wetland "waters of the State" under the regulatory authority of the Lahontan RWQCB occur on the Project site (Table 1). The extent of RWQCB jurisdiction is shown on Exhibit 6.

4.3 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE JURISDICTION

The limits of CDFW jurisdiction on the Project site were mapped to the top of the bank. There is no adjacent riparian habitat present along these features so that CDFW's jurisdiction is limited to the top of the stream bank. Based on this boundary, the total amount of CDFW's jurisdictional area is 0.498 acre (Table 1). The extent of CDFW jurisdiction is shown on Exhibit 6.

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Jurisdictional Waters

Exhibit 6

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project



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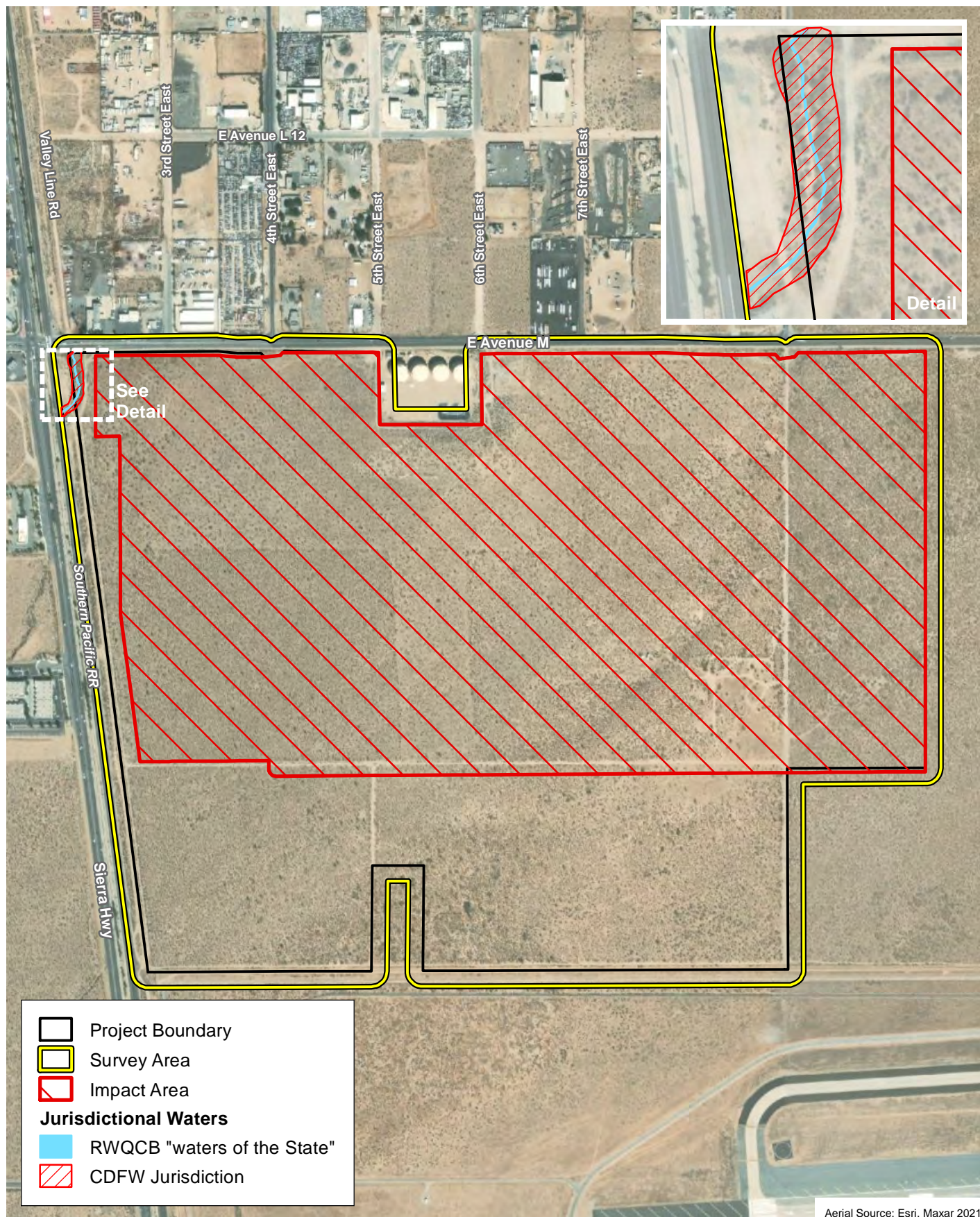
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5.0 IMPACT ANALYSIS

Based on the proposed project limits of disturbance as shown in Exhibit 7, the sandy wash in the northwest corner of the property will be avoided so that no direct impacts to jurisdictional waters are expected.

Erosion control and other Best Management Practices during construction should be implemented to avoid any indirect impacts to jurisdictional waters, such as discharges of sediment or pollutants during construction.

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Aerial Source: Esri, Maxar 2021

Impacts to Jurisdictional Waters

Exhibit 7

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project



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6.0 REGULATORY APPROVAL PROCESS

This section summarizes the various permits, agreements, and certifications that are expected to be required prior to initiation of the proposed Project activities that involve impacts to jurisdictional waters, including:

- RWQCB Section 401 Waste Discharge Requirements
- CDFW Section 1602 Notification of Lake or Streambed Alteration

It should be noted that regulatory permit applications can be processed concurrently.

6.1 U.S. ARMY CORPS OF ENGINEERS

Due to the lack of connectivity to a downstream TNW, WOTUS are considered absent from the Project site. Therefore, no permits from the USACE are expected to be required.

6.2 REGIONAL WATER QUALITY CONTROL BOARD

As noted above, the issuance of a Section 401 Water Quality Certification from the Lahontan RWQCB would not be required if the USACE confirms that WOTUS are not present in the Project survey areas. Instead, the RWQCB would issue a “Notice of Applicability” that would authorize the proposed project activities conditioned on compliance with statewide general waste discharge requirements (WDRs). The RWQCB would require the LADWP to address urban storm water runoff during and after construction in the form of Best Management Practices (BMPs). These BMPs are intended to address the treatment of pollutants carried by storm water runoff and are required in all complete applications.

Based on the current project disturbance footprint, no impacts to “waters of the State” are anticipated, so that no permitting from the RWQCB would be required.

6.3 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

Prior to construction, Notification of a Lake or Streambed Alteration (LSA) must be submitted to the CDFW that describes any proposed streambed alteration contemplated by the proposed project. If an LSA Agreement is required, the CDFW may want to conduct an on-site inspection.

In addition to the formal application materials and the fee, a copy of the appropriate environmental document (e.g., Mitigated Negative Declaration) should be included in the submittal, consistent with CEQA requirements. The CDFW will not deem the application to be complete until the application fees have been paid and the agency is provided with a certified CEQA document and a signed copy of the receipt of County Clerk filing fees for the Notice of Determination (NOD).

Based on the current project disturbance footprint, no impacts to the bed or bank of the on-site channel are anticipated, so that no permitting from the CDFW would be required.

7.0 REFERENCES

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ATTACHMENT A
SUMMARY OF REGULATORY AUTHORITY

REGULATORY AUTHORITY

This attachment summarizes the regulatory authority of the U.S. Army Corps of Engineers (USACE), the Regional Water Quality Control Board (RWQCB), and the California Department of Fish and Wildlife (CDFW) over activities that have potential to impact jurisdictional resources.

U.S. Army Corps of Engineers

The USACE Regulatory Branch regulates activities that discharge dredged or fill materials into “waters of the United States” (WOTUS) under Section 404 of the Federal Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. This permitting authority applies to all WOTUS where the material (1) replaces any portion of WOTUS with dry land or (2) changes the bottom elevation of any portion of any WOTUS. These fill materials would include sand, rock, clay, construction debris, wood chips, and materials used to create any structure or infrastructure in these waters.

Waters of the United States

The definition of WOTUS has shifted over the past several years. The USEPA under the Obama Administration published the Clean Water Rule in May of 2015 in an attempt to incorporate direction that the U.S. Supreme Court provided via three decisions that provided context and guidance in determining the appropriate scope of WOTUS, including *United States v. Riverside Bayview Homes* (1985); *Solid Waste Agency of Northern Cook County v. U.S. Army Corps of Engineers* (“SWANCC”, issued in 2001); and *Rapanos v. United States* (“Rapanos”, 2006). The Clean Water Rule was contested by several states via litigation so that the WOTUS definition was applied differently between states that contested the Clean Water Rule and those that did not. On April 21, 2020, the USEPA under the Trump Administration published in the *Federal Register* the Navigable Waters Protection Rule (NWPR) which revised the definition of WOTUS. The NWPR subsequently became effective on June 22, 2020. On June 9, 2021, USEPA under the Biden Administration announced plans to again revise the definition of WOTUS. On August 30, 2021, the U.S. District Court for the District of Arizona vacated the NWPR pursuant to the case of *Pascua Yaqui Tribe v. U.S. Environmental Protection Agency* (2021). This has subsequently led to the USACE announcing on January 5, 2022 that the agency will utilize the pre-2015 definition of WOTUS until the USEPA issues a new final rule which is expected to be released in the spring of 2023.

Therefore, the current definition of WOTUS that is implemented by the USACE includes the following:

1. All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
2. All interstate waters including interstate wetlands;
3. All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters:
 - a. Which are or could be used by interstate or foreign travelers for recreational or other purposes; or
 - b. From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or

- c. Which are used or could be used for industrial purposes by industries in interstate commerce;
- 4. All impoundments of waters otherwise defined as waters of the United States under this definition;
- 5. Tributaries of waters identified in paragraphs 1 through 4 of this section;
- 6. The territorial sea;
- 7. Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in this section; waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 CFR 423.11(m) which also meet the criteria of this definition) are not waters of the United States.

Ordinary High Water Mark

The landward limit of tidal “waters of the U.S.” is the high-tide line. In non-tidal waters where adjacent wetlands are absent, the lateral limits of USACE jurisdiction extend to the ordinary high water mark (OHWM).¹ The OHWM is defined as “that line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of the soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas”.² When wetlands are present, the lateral limits of USACE jurisdiction extend beyond the OHWM to the limits of the adjacent wetlands.³

Wetlands

A wetland is a subset of jurisdictional waters and is defined by the USACE and the USEPA as “those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances, do support a prevalence of vegetation typically adapted for life in saturated soil conditions”.⁴ Wetlands generally include swamps, marshes, bogs, and areas containing similar features.

The definition and methods for identifying wetland resources can be found in the USACE’s *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region*,⁵ a supplement to the 1987 *Corps of Engineers Wetlands Delineation Manual*.⁶ Both the 1987 Wetlands Manual and the 2008 Arid West Supplement to the manual provide technical methods and guidelines for determining the presence of wetland “waters of the U.S.”. Pursuant to these manuals, a three-parameter approach is used to identify wetlands and requires evidence of wetland hydrology, hydrophytic vegetation, and hydric soils. In order to be considered a wetland, an area must exhibit one or more indicators of all three of these parameters. However, problem areas may periodically or permanently lack certain indicators for reasons such as seasonal or annual variability of rainfall, vegetation, and other factors. Atypical wetlands lack certain indicators

¹ U.S. Army Corps of Engineers (USACE). 2005 (December 7). Regulatory Guidance Letter. Ordinary High Water Mark Identification. Washington, D.C.: USACE.

² *Code of Federal Regulations* (CFR), Title 33, §328.3(e)

³ USACE 2005

⁴ 33 CFR §328.3(b)

⁵ USACE. 2008a. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0)*. (J.S. Wakeley, R.W. Lichvar, and C.V. Noble, Eds.). Vicksburg, MS: U.S. Army Engineer Research and Development Center.

⁶ Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1)*. Vicksburg, MS: U.S. Army Engineer Waterways Experiment Station.

due to recent human activities or natural events. Guidance for determining the presence of wetlands in these situations is presented in the regional supplement.

Section 404 Permit

Except as specified in Section 323.4 of the CFR, impacts to “waters of the U.S.” require a Section 404 Permit. Permit authorization may be in the form of (1) a “general permit” authorizing a category of activities in a specific geographical region or nationwide or (2) an “individual permit” (IP) following a review of an individual application form (to be obtained from the district office having jurisdiction over the waters in which the activity is proposed to be located).

Regulatory authorization in the form of a Nationwide Permit (NWP) is provided for certain categories of activities such as repair, rehabilitation, or replacement of a structure or fill which was previously authorized; utility line placement; or bank stabilization. NWPs authorize only those activities with minimal adverse effects on the aquatic environment and are valid only if the conditions applicable to the permits are met or waivers to these conditions are provided in writing from the USACE. Please note that waivers may require consultation with affected federal and State agencies, which can be a lengthy process with no mandated processing time frames. Certain activities do not require submission of an application form but may require a separate notification. If the NWP conditions cannot be met, an IP will be required. “Waters of the U.S.” temporarily filled, flooded, excavated, or drained but restored to pre-construction contours and elevations after construction are not included in the measurement of loss of “waters of the U.S.”. The appropriate permit authorization will be based on the amount of impacts to “waters of the U.S.”, as determined by the USACE. There is no filing fee for the Section 404 Permit.

Approximately three or four months are typically required to process a routine permit application; large or complex activities may take longer to process. When a permit application is received, it will be assigned an identification number and reviewed for completeness by the District Engineer. If an application is incomplete, additional information will be requested within 15 days of receipt of the application. If an application is complete, the District Engineer will issue a public notice within 15 days unless specifically exempted by provisions of the CFR. Public comments will be accepted no more than 30 days but not less than 15 days from the date of public notice; these will become part of the administrative record of the application. Generally, the District Engineer will decide on the application no later than 60 days after receipt of the completed application. Additional permit situations may increase the permit processing time (e.g., projects involving a Section 401 Water Quality Certification, a coastal zone management consistency analysis, historic properties, a federal agency, and/or Endangered species). The Project Applicant will be given time, not to exceed 30 days, to respond to requests of the District Engineer.

On January 31, 2007, the USACE published a memorandum clarifying the Interim Guidance for Amendments to the National Historic Preservation Act and the Advisory Council on Historic Preservation (ACHP) implementing regulations.⁷ The Interim Guidance applies to all Department of the Army requests for authorization/verification, including Individual Permits (IPs, i.e., standard permits and letters of permission) and all Regional General Permits (RGPs) and Nationwide Permits (NWPs). The State or Tribal Historic Preservation Officer (SHPO/THPO) has 30 days to respond to a determination that a proposed activity, which otherwise qualifies for an NWP or an RGP, has no effect or no adverse effect on a historic property. If the SHPO/THPO does not respond within 30 days of notification, the Los Angeles District may proceed with verification. If the SHPO/THPO disagrees with the District’s determination, the District may work with the SHPO/THPO to resolve the disagreement or request an opinion from the ACHP. The USACE will submit the Draft

⁷ USACE. 2007 (January 31). Memorandum: Interim Guidance for Amendments to the National Historic Preservation Act and the Advisory Council on Historic Preservation (ACHP) Implementing Regulations. Washington, D.C.: USACE.

Jurisdictional Delineation Report to the SHPO/THPO for review prior to initiating the actual regulatory process.

Please note that, if the USACE determines that the drainages/waterbodies are jurisdictional and would be impacted by project implementation, the Applicant will be required to obtain a CWA Section 401 Water Quality Certification from the RWQCB before the USACE will issue the Section 404 Permit. If the USACE determines that the impacted drainage/waterbody is not jurisdictional, the Applicant will be required to obtain RWQCB authorization under the provisions of a Report of Waste Discharge (ROWD).

Jurisdictional Determinations

Pursuant to USACE Regulatory Guidance Letter (RGL) 08-02 (dated June 26, 2008), the USACE can issue two types of jurisdictional determinations to implement Section 404 of the CWA: Approved Jurisdictional Determinations and Preliminary Jurisdictional Determinations.⁸ An Approved Jurisdictional Determination is an official USACE determination that jurisdictional “waters of the U.S.”, “Navigable Waters of the U.S.”, or both are either present or absent on a site. An Approved Jurisdictional Determination also identifies the precise limits of jurisdictional waters on a project site.

The USACE will provide an Approved Jurisdictional Determination when (1) an Applicant requests an official jurisdictional determination; (2) an Applicant contests jurisdiction over a particular water body or wetland; or (3) when the USACE determines that jurisdiction does not exist over a particular water body or wetland. The Approved Jurisdictional Determination then becomes the USACE’s official determination that can then be relied upon over a five-year period to request regulatory authorization as part of the permit application.

In addition, an Applicant may decline to request an Approved Jurisdictional Determination and instead obtain a USACE IP or General Permit Authorization based on a Preliminary Jurisdictional Determination or, in certain circumstances (e.g., authorizations by non-reporting nationwide general permits), with no Jurisdictional Determination.

Preliminary Jurisdictional Determinations are non-binding, advisory in nature, and may not be appealed. They indicate that there may be “waters of the U.S.” on a project site. An Applicant may elect to use a Preliminary Jurisdictional Determination to voluntarily waive or set aside questions regarding CWA jurisdiction over a site, usually in the interest of expediting the permitting process. The USACE will determine what form of Jurisdictional Determination is appropriate for a particular project site.

The USACE Regulatory Branch Offices will coordinate with the USEPA Regional Office and USACE Headquarters (HQ), as outlined in its January 28, 2008, memorandum entitled “Process for Coordinating Jurisdictional Determinations Conducted Pursuant to Section 404 of the Clean Water Act in Light of the *Rapanos* and *SWANCC* Supreme Court Decisions”.⁹ The guidance provided in this memorandum is quoted as follows:

1. Effective immediately, unless and until paragraph 5(b) of the June 5, 2007, *Rapanos* guidance coordination memorandum is modified by a joint memorandum from Army and EPA, we will follow these procedures:

⁸ USACE. 2008b (June 26). Regulatory Guidance Letter. Jurisdictional Determinations. Washington, D.C.: USACE.

⁹ USACE. 2008c (January 28). *Memorandum for Commander, Major Subordinate Commands and District Commands. Process for Coordinating Jurisdictional Determinations Conducted Pursuant to Section 404 of the Clean Water Act in Light of the *Rapanos* and *SWANCC* Supreme Court Decisions*. Washington, D.C.: USACE.

- a. For jurisdictional determinations involving significant nexus determinations, USACE districts will send copies of draft jurisdictional delineations via e-mail to appropriate EPA regional offices. The EPA regional office will have 15 calendar days to decide whether to take the draft jurisdictional delineation as a special case under the January 19, 1989, "Memorandum of Agreement Between the Department of the Army and the USEPA Concerning the Determination of the Section 404 Program and the Application of the Exceptions under Section 404(f) of the Clean Water Act." If the EPA regional office does not respond to the district within 15 days, the district will finalize the jurisdictional determination.
 - b. For jurisdictional determinations involving isolated waters determinations, the agencies will continue to follow the procedure in paragraph 5(b) of June 5, 2007, coordination memorandum, until a new coordination memorandum is signed by USACE and EPA. (In accordance with paragraph 6 of the June 5, 2007, coordination memorandum, this is a 21-day timeline that can only be changed through a joint memorandum between agencies).
2. Approved JDs are not required for non-reporting NWP, unless the project proponent specifically requests an approved JD. For proposed activities that may qualify for authorization under a State Programmatic General Permit (SPGP) or RGP, an approved JD is not required unless requested by the project proponent.
 3. The USACE will continue to work with EPA to resolve the JDs involving significant nexus and isolated waters determinations that are currently in the elevation process.
 4. USACE districts will continue posting completed Approved JD Forms on their web pages.

Regional Water Quality Control Board

The RWQCB is the primary agency responsible for protecting water quality in California through the regulation of discharges to surface waters under the CWA and the California Porter-Cologne Water Quality Control Act (Porter-Cologne Act). The RWQCB's jurisdiction extends to all "waters of the State" and to all "waters of the U.S.", including wetlands (isolated and non-isolated).

Section 401 of the CWA provides the RWQCB with the authority to regulate, through a Water Quality Certification, any proposed, federally permitted activity that may affect water quality. Among such activities are discharges of dredged or fill material permitted by the USACE pursuant to Section 404 of the CWA. Section 401 requires the RWQCB to provide certification that there is reasonable assurance that an activity which may result in discharge to navigable waters will not violate water quality standards. Water Quality Certification must be based on a finding that the proposed discharge will comply with water quality standards, which contain numeric and narrative objectives that can be found in each of the nine RWQCBs' Basin Plans.

The Porter-Cologne Act provides the State with very broad authority to regulate "waters of the State" (which are defined as any surface water or groundwater, including saline waters). The Porter-Cologne Act has become an important tool in the post-SWANCC (Solid Waste Agency of Northern Cook Counties vs. United States Army Corps of Engineers) and Rapanos era with respect to the State's authority over isolated waters. Generally, any person proposing to discharge waste into a water body that could affect its water quality must file an ROWD when there is no federal nexus, such as under Section 404(b)(1) of the CWA. Although "waste" is partially defined

as any waste substance associated with human habitation, the RWQCB interprets this to include fill discharge into water bodies.

Section 401 Water Quality Certification

Issuance of the USACE Section 404 Permit would be contingent upon the approval of a Section 401 Water Quality Certification from the RWQCB. Also, the RWQCB requires certification of the project's California Environmental Quality Act (CEQA) documentation before it will approve the Section 401 Water Quality Certification or ROWD. The RWQCB, as a responsible agency, will use the project's CEQA document to satisfy its own CEQA-compliance requirements.

On June 1, 2020, the USEPA finalized the "Clean Water Act Section 401 Certification Rule" to implement the water quality certification process consistent with the text and structure of the Clean Water Act (CWA). The final rule establishes procedures that promote consistent implementation of CWA section 401 and regulatory certainty in the federal licensing and permitting process. The new regulation includes reviews and approvals by the USACE prior to the RWQCB issuing a 401 Certification and reviews and approvals by the EPA prior to the USACE issuing a 404. The new 401 rule went into effect on September 11, 2020.

The new certification rule defines a discharge subject to 401 Certification as a discharge from a point source into a water of the United States. The new rule also states that States with additional water quality regulations cannot use these to expand the certification request.

The new rule requires all project proponents to request a pre-filing meeting with the RWQCB at least 30 days prior to filing a 401 "Certification Request". The filing procedure has been simplified to require the filing of a "Certification Request", rather than the acceptance of a "complete application". The certification request has nine mandatory components:

1. identify the project proponent(s) and a point of contact;
2. identify the proposed project;
3. identify the applicable federal license or permit;
4. identify the location and nature of any potential discharge that may result from the proposed project and the location of receiving waters;
5. include a description of any methods and means proposed to monitor the discharge and the equipment or measures planned to treat, control, or manage the discharge;
6. include a list of all other federal, interstate, tribal, state, territorial, or local agency authorizations required for the proposed project, including all approvals or denials already received;
7. include documentation that a pre-filing meeting request was submitted to the certifying authority at least 30 days prior to submitting the certification request;
8. contain the following statement: 'The project proponent hereby certifies that all information contained herein is true, accurate, and complete, to the best of my knowledge and belief; and
9. contain the following statement: 'The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.'

There is a mandatory 30 day wait period between a pre-filing meeting request and the filing of a Certification Request. A Certification Request must be filed with the RWQCB and the USACE concurrently. USACE reviews the Certification Request for the nine required components. The

USACE has 15 days to review the Certification Request. The USACE then notifies the RWQCB that request is complete. And concurrently notifies the RWQCB of the reasonable time period to act on the Certification Request. The reasonable time period is not to exceed 1 year. Within 15 days of receipt of the Certification Request, the RWQCB must provide the applicant with the following: (1) date of receipt; (2) applicable reasonable period of time to act on the Certification Request; and (3) date upon which waiver will occur if the certifying authority fails or refuses to act on the Certification Request.

Once the RWQCB issues the 401 Certification, the USACE has 5 days to notify the USEPA that the 401 Certification has been issued. The USEPA then has 30 days to notify neighboring jurisdictions of the 401 Certification. Neighboring jurisdictions have 60 days to respond. If there are no objections to the 401 Certification, then the USACE would issue the 404 permit.

On June 2, 2021, the USEPA published a notice of intention to reconsider and revise the Clean Water Act Section 401 Certification Rule. At this time, they are currently accepting public comment. Until a new rule goes into effect, the current 401 Certification Rule stands.

The RWQCB is required under the *California Code of Regulations* (CCR) to have a “minimum 21-day public comment period” before any action can be taken on the Section 401 application.¹⁰ This period closes when the RWQCB acts on the application. Since projects often change or are revised during the Section 401 permit process, the comment period can remain open. The public comment period starts as soon as an application has been received. Generally, the RWQCB Section 401, USACE Section 404, and CDFW Section 1602 permit applications are submitted at the same time.

The RWQCB requires the Applicant to address urban storm water runoff during and after construction in the form of Best Management Practices (BMPs). These BMPs are intended to address the treatment of pollutants carried by storm water runoff and are required in all complete applications. The notification/application for a CWA Section 401 Water Quality Certification must also address compliance with the Basin Plan. Please note that filing an application would also require the payment of an application fee which would be based on project impacts. The fee schedule calculator is available at https://www.waterboards.ca.gov/resources/fees/water_quality/docs/dredgefillcalculator.xlsm.

California Department of Fish and Wildlife

The CDFW has jurisdictional authority over wetland resources associated with rivers, streams, and lakes pursuant to the *California Fish and Game Code*.¹¹ Activities of State and local agencies as well as public utilities that are project proponents are regulated by the CDFW under Section 1602 of the *California Fish and Game Code*. This section regulates any work that will (1) substantially divert or obstruct the natural flow of any river, stream, or lake; (2) substantially change or use any material from the bed, channel, or bank of any river, stream, or lake; or (3) deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake. Section 1602 of the *California Fish and Game Code* applies to all perennial, intermittent, and ephemeral rivers, streams, and lakes in the State.

The CDFW jurisdictional limits are not as clearly defined by regulation as those of the USACE. While they closely resemble the limits described by USACE regulations, they include riparian habitat supported by a river, stream, or lake regardless of the presence or absence of hydric and saturated soils conditions. In general, the CDFW takes jurisdiction from the top of a stream bank or to the outer limits of the adjacent riparian vegetation (outer drip line), whichever is greater.

¹⁰ 23 CCR §3858(a)

¹¹ See §§1600–1616.

Notification is generally required for any project that will take place within or in the vicinity of a river, stream, lake or within or in the vicinity of tributaries to a river, stream, or lake. This includes rivers or streams that flow at least periodically or permanently through a bed or channel with banks that support fish and other aquatic plant and/or wildlife species. It also includes watercourses that have a surface or subsurface flow that support or have supported riparian vegetation.

Section 1602 Lake or Streambed Alteration Agreement

The CDFW enters into a Lake or Streambed Alteration (LSA) Agreement with a project proponent to ensure protection of wildlife and habitat values and acreages.

Prior to construction, a Notification of an LSA must be submitted to the CDFW that describes any proposed lake or streambed alteration that would occur with implementation of a project. The Notification of an LSA must address the initial construction and long-term operation and maintenance of any structures (such as a culvert or a desilting basin) included in the project design that are located within any river, stream, or lake and that may require periodic maintenance. In addition to the formal application materials and the fee, a copy of the appropriate environmental document (e.g., a Mitigated Negative Declaration) should be included in the submittal, consistent with CEQA requirements. The complete notification package must be completed on CDFW's Environmental Permit Information Management System (EPIMS). This notification will serve as the basis for the CDFW's issuance of a Section 1602 LSA Agreement. Note that notification is not required before beginning emergency work, but the CDFW must be notified in writing within 14 days after beginning the work.

After receiving Notification of an LSA Agreement, the CDFW will determine whether an LSA Agreement will be required for the proposed activity. An LSA Agreement will be required if the activity could substantially adversely affect an existing fish and wildlife resource. If an LSA Agreement is required, the CDFW may want to conduct an on-site inspection.

If the CDFW does not respond in writing concerning the completeness of the Notification within 30 days of its submittal, the Notification automatically becomes complete. If the CDFW does not submit a draft LSA Agreement to the Applicant within 60 days of the determination of a completed Notification package, the CDFW will issue a letter that either (1) identifies the final date to transmit a draft LSA Agreement or (2) indicates that an LSA Agreement was not required. The CDFW will also indicate that it was unable to meet this mandated compliance date and that, by law, the Applicant is authorized to complete the project without an LSA Agreement as long as the Applicant constructs the project as proposed and complies with all avoidance, minimization, and mitigation measures described in the submitted Notification package. Please note that, if the project requires revisions to the design or project construction, the CDFW may require submittal of a new Notification/application with an additional 90-day permit process.

If determined to be necessary, the CDFW will prepare a draft LSA Agreement, which will include standard measures to protect fish and wildlife resources during project construction and during ongoing operation and maintenance of any project element that occurs within a CDFW jurisdictional area. The draft Agreement must be transmitted to the Applicant within 60 calendar days of the CDFW's determination that the notification is complete. It should be noted that the 60-day timeframe might not apply to long-range agreements.

Following receipt of a draft LSA Agreement from the CDFW, the Applicant has 30 calendar days to notify the CDFW concerning the acceptability of the proposed terms, conditions, and measures. If the Applicant agrees with these terms, conditions and measures, the Agreement must be signed and returned to the CDFW. The Agreement becomes final once the CDFW executes it and an

LSA Agreement is issued. Please note that all application fees must be paid and the final certified CEQA documentation must be provided prior to the CDFW's execution of the Agreement.

ATTACHMENT B
LITERATURE REVIEW DETAILS

DESCRIPTIONS OF SOILS IN SURVEY AREA

ANTELOPE VALLEY AREA, CALIFORNIA

Adelanto coarse sandy sand, 2 to 5 percent slopes

Map Unit Setting

- National map unit symbol: hccm
- Elevation: 2,000 to 3,000 feet
- Mean annual precipitation: 6 inches
- Mean annual air temperature: 63 degrees F
- Frost-free period: 250 to 260 days
- Farmland classification: Prime farmland if irrigated

Map Unit Composition

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

Description of Adelanto

Setting

- Landform: Alluvial fans
- Landform position (two-dimensional): Backslope
- Landform position (three-dimensional): Tread
- Down-slope shape: Linear
- Across-slope shape: Linear
- Parent material: Alluvium derived from granite

Typical profile

- H1 - 0 to 16 inches: coarse sandy loam
- H2 - 16 to 41 inches: sandy loam
- H3 - 41 to 80 inches: sandy loam
- H4 - 80 to 86 inches: stratified loamy sand to coarse sandy loam

Properties and qualities

- Slope: 0 to 2 percent
- Depth to restrictive feature: More than 80 inches
- Drainage class: Well drained
- Runoff class: Very low
- Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
- Depth to water table: More than 80 inches
- Frequency of flooding: None
- Frequency of ponding: None
- Calcium carbonate, maximum content: 5 percent
- Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
- Available water supply, 0 to 60 inches: Low (about 7.0 inches)

Interpretive groups

- Land capability classification (irrigated): 2s
- Land capability classification (nonirrigated): 7e
- Hydrologic Soil Group: A
- Ecological site: R030XG021CA - LOAMY 4-9"

- Hydric soil rating: No

Minor Components

Cajon

- Percent of map unit: 10 percent
- Hydric soil rating: No

Mojave

- Percent of map unit: 5 percent
- Hydric soil rating: Yes

Cajon loamy sand, 0 to 2 percent slopes***Map Unit Setting***

- National map unit symbol: hccx
- Elevation: 400 to 4,000 feet
- Mean annual precipitation: 3 to 9 inches
- Mean annual air temperature: 63 to 70 degrees F
- Frost-free period: 200 to 300 days
- Farmland classification: Prime farmland if irrigated

Map Unit Composition

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

Description of Cajon**Setting**

- Landform: Alluvial fans
- Landform position (two-dimensional): Backslope
- Landform position (three-dimensional): Tread
- Down-slope shape: Linear
- Across-slope shape: Linear
- Parent material: Alluvium derived from granite

Typical profile

- H1 - 0 to 9 inches: loamy sand
- H2 - 9 to 60 inches: sand

Properties and qualities

- Slope: 0 to 2 percent
- Depth to restrictive feature: More than 80 inches
- Drainage class: Excessively drained
- Runoff class: Negligible
- Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
- Depth to water table: More than 80 inches
- Frequency of flooding: None
- Frequency of ponding: None
- Calcium carbonate, maximum content: 5 percent
- Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
- Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

- Land capability classification (irrigated): 3e
- Land capability classification (nonirrigated): 7e
- Hydrologic Soil Group: A
- Ecological site: R030XG022CA - SANDY 4-9"
- Hydric soil rating: No

Minor Components**Arizo**

- Percent of map unit: 4 percent

- Hydric soil rating: No

Rosamond

- Percent of map unit: 4 percent
- Hydric soil rating: No

Hesperia

- Percent of map unit: 4 percent
- Hydric soil rating: No

Unnamed

- Percent of map unit: 3 percent
- Landform: Playas
- Hydric soil rating: Yes

Cajon loamy sand, 2 to 9 percent slopes***Map Unit Setting***

- National map unit symbol: hccy
- Elevation: 400 to 4,000 feet
- Mean annual precipitation: 3 to 9 inches
- Mean annual air temperature: 63 to 70 degrees F
- Frost-free period: 200 to 300 days
- Farmland classification: Prime farmland if irrigated

Map Unit Composition

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

Description of Cajon**Setting**

- Landform: Alluvial fans
- Landform position (two-dimensional): Backslope
- Landform position (three-dimensional): Tread
- Down-slope shape: Linear
- Across-slope shape: Linear
- Parent material: Alluvium derived from granite

Typical profile

- H1 - 0 to 9 inches: loamy sand
- H2 - 9 to 60 inches: sand

Properties and qualities

- Slope: 0 to 2 percent
- Depth to restrictive feature: More than 80 inches
- Drainage class: Excessively drained
- Runoff class: Negligible
- Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
- Depth to water table: More than 80 inches
- Frequency of flooding: None
- Frequency of ponding: None
- Calcium carbonate, maximum content: 5 percent
- Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
- Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

- Land capability classification (irrigated): 3e
- Land capability classification (nonirrigated): 7e
- Hydrologic Soil Group: A
- Ecological site: R030XG022CA - SANDY 4-9"
- Hydric soil rating: No

Minor Components

Arizo

- Percent of map unit: 4 percent
- Hydric soil rating: No

Hesperia

- Percent of map unit: 4 percent
- Hydric soil rating: No

Unnamed

- Percent of map unit: 3 percent
- Landform: Playas
- Hydric soil rating: Yes

Cajon loamy sand, loamy substratum, 0 to 2 percent slopes

Map Unit Setting

- National map unit symbol: hccz
- Elevation: 1,800 to 2,800 feet
- Mean annual precipitation: 4 to 9 inches
- Mean annual air temperature: 66 degrees F
- Frost-free period: 240 to 260 days
- Farmland classification: Prime farmland if irrigated

Map Unit Composition

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

Description of Cajon

Setting

- Landform: Alluvial fans
- Landform position (two-dimensional): Backslope
- Landform position (three-dimensional): Tread
- Down-slope shape: Linear
- Across-slope shape: Linear
- Parent material: Alluvium derived from granite

Typical profile

- H1 - 0 to 9 inches: loamy sand
- H2 - 9 to 30 inches: sand
- H3 - 30 to 60 inches: stratified sand to clay loam

Properties and qualities

- Slope: 0 to 2 percent
- Depth to restrictive feature: More than 80 inches
- Drainage class: Excessively drained
- Runoff class: Very low
- Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
- Depth to water table: More than 80 inches
- Frequency of flooding: None
- Frequency of ponding: None
- Calcium carbonate, maximum content: 5 percent
- Maximum salinity: Nonsaline to very slightly saline (2.0 to 8.0 mmhos/cm)
- Available water supply, 0 to 60 inches: Low (about 5.4 inches)

Interpretive groups

- Land capability classification (irrigated): 2e
- Land capability classification (nonirrigated): 7e
- Hydrologic Soil Group: B
- Ecological site: R030XG022CA - SANDY 4-9"
- Hydric soil rating: No

Minor Components

Unnamed

- Percent of map unit: 10 percent
- Hydric soil rating: No

Cajon

- Percent of map unit: 4 percent
- Hydric soil rating: No

Unnamed

- Percent of map unit: 1 percent
- Landform: Playas
- Hydric soil rating: Yes

Cajon loamy fine sand, 0 to 2 percent slopes, hummocky***Map Unit Setting***

- National map unit symbol: hcd0
- Elevation: 400 to 4,000 feet
- Mean annual precipitation: 3 to 9 inches
- Mean annual air temperature: 63 to 70 degrees F
- Frost-free period: 200 to 300 days
- Farmland classification: Prime farmland if irrigated

Map Unit Composition

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

Description of Cajon**Setting**

- Landform: Alluvial fans
- Landform position (two-dimensional): Backslope
- Landform position (three-dimensional): Tread
- Down-slope shape: Linear
- Across-slope shape: Linear
- Parent material: Alluvium derived from granite

Typical profile

- H1 - 0 to 9 inches: loamy sand
- H2 - 9 to 60 inches: sand

Properties and qualities

- Slope: 0 to 2 percent
- Depth to restrictive feature: More than 80 inches
- Drainage class: Excessively drained
- Runoff class: Negligible
- Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
- Depth to water table: More than 80 inches
- Frequency of flooding: None
- Frequency of ponding: None
- Calcium carbonate, maximum content: 5 percent
- Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
- Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

- Land capability classification (irrigated): 3e
- Land capability classification (nonirrigated): 7e
- Hydrologic Soil Group: A
- Ecological site: R030XG022CA - SANDY 4-9"
- Hydric soil rating: No

Minor Components

Dune Land

- Percent of map unit: 10 percent
- Hydric soil rating: No

Hesperia

- Percent of map unit: 4 percent
- Hydric soil rating: No

Hesperia fine sandy loam, 0 to 2 percent slopes***Map Unit Setting***

- National map unit symbol: hcfd
- Elevation: 200 to 4,000 feet
- Mean annual precipitation: 6 to 9 inches
- Mean annual air temperature: 61 to 70 degrees F
- Frost-free period: 225 to 310 days
- Farmland classification: Prime farmland if irrigated

Map Unit Composition

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

Description of Hesperia**Setting**

- Landform: Alluvial fans
- Landform position (two-dimensional): Backslope
- Landform position (three-dimensional): Tread
- Down-slope shape: Linear
- Across-slope shape: Linear
- Parent material: Alluvium derived from granite

Typical profile

- H1 - 0 to 4 inches: fine sandy loam
- H2 - 4 to 54 inches: fine sandy loam
- H3 - 54 to 77 inches: sandy loam

Properties and qualities

- Slope: 0 to 2 percent
- Depth to restrictive feature: More than 80 inches
- Drainage class: Well drained
- Runoff class: Very low
- Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
- Depth to water table: More than 80 inches
- Frequency of flooding: None
- Frequency of ponding: None
- Calcium carbonate, maximum content: 10 percent
- Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
- Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

- Land capability classification (irrigated): 2e
- Land capability classification (nonirrigated): 7e
- Hydrologic Soil Group: A
- Ecological site: R030XG021CA - LOAMY 4-9"
- Hydric soil rating: No

Minor Components

Cajon

- Percent of map unit: 5 percent
- Hydric soil rating: No

Rosamond

- Percent of map unit: 5 percent
- Hydric soil rating: No

Tray

- Percent of map unit: 3 percent
- Hydric soil rating: No

Unnamed

- Percent of map unit: 2 percent
- Landform: Playas
- Hydric soil rating: Yes

BASIN PLAN BENEFICIAL USES

The *Water Quality Control Plan for the Lahontan Region* (Basin Plan) identifies a number of Beneficial Uses, some or all of which may apply to a specific hydrologic unit (HSA), including: Agricultural Supply (AGR) waters; Aquaculture (AQUA) waters; Preservation of Biological Habitats of Special Significance (BIOL) waters; Cold Fresh Water Habitat (COLD) waters; Commercial and Sport Fishing (COMM) waters; Estuarine Habitat (EST) waters; Freshwater Replenishment (FRSH); Groundwater Recharge (GWR) waters; Industrial Service Supply waters (IND); Marine Habitat (MAR) waters; Migration of Aquatic Organisms (MIGR) waters; Municipal and Domestic Water Supply (MUN) waters; Navigation (NAV) waters; Hydropower Generation (POW) waters; Industrial Process Supply (PROC) waters; Rare, Threatened or Endangered Species (RARE) waters; Water Contact Recreation (REC1) waters; Non-Contact Water Recreation (REC2) waters; Inland Saline Water Habitat (SAL) waters; Shellfish Harvesting (SHELL) waters; Spawning, Reproduction and Development (SPWN) waters; Warm Fresh Water Habitat (WARM) waters; Wetland Habitat (WET) waters; and Wildlife Habitat (WILD) waters.

Beneficial Uses associated with Amargosa Creek which flows along the western edge of the Project site, are described below; Beneficial Uses not described below do not apply to Amargosa Creek.

- MUN waters support community, military, or individual water supply systems including, but not limited to, drinking water supply.
- AGR waters are used for farming, horticulture, or ranching, including, but not limited to, irrigation, stock watering, and support of vegetation for range grazing.
- GWR waters are used for natural or artificial recharge of groundwater for purposes that may include, but are not limited to, future extraction, maintaining water quality, or halting saltwater intrusion into freshwater aquifers.
- FRSH waters are used for natural or artificial maintenance of surface water quantity or quality (e.g., salinity).
- WARM waters support warm water ecosystems that may include, but are not limited to, preservation or enhancement of aquatic habitats, vegetation, fish, and wildlife (including invertebrates).
- COLD waters support cold water ecosystems including, but not limited to, preservation or enhancement of aquatic habitats, vegetation, fish, or wildlife, including invertebrates.
- COMM waters are used for commercial or recreational collection of fish or other organisms including, but not limited to, uses involving organisms intended for human consumption.
- REC-1 waters are used for recreational activities involving body contact with water, where ingestion of water is reasonably possible. These uses include, but are not limited to, swimming, wading, water-skiing, skin and scuba diving, surfing, white water activities, fishing, or use of natural hot springs.
- REC-2 waters are used for recreational activities involving proximity to water, but not normally involving body contact with water, where ingestion of water is reasonably possible. These uses include, but are not limited to, picnicking, sunbathing, hiking, beachcombing, camping, boating, tidepool and marine life study, hunting, sightseeing, or aesthetic enjoyment in conjunction with the above activities.

ATTACHMENT C
SITE PHOTOGRAPHS

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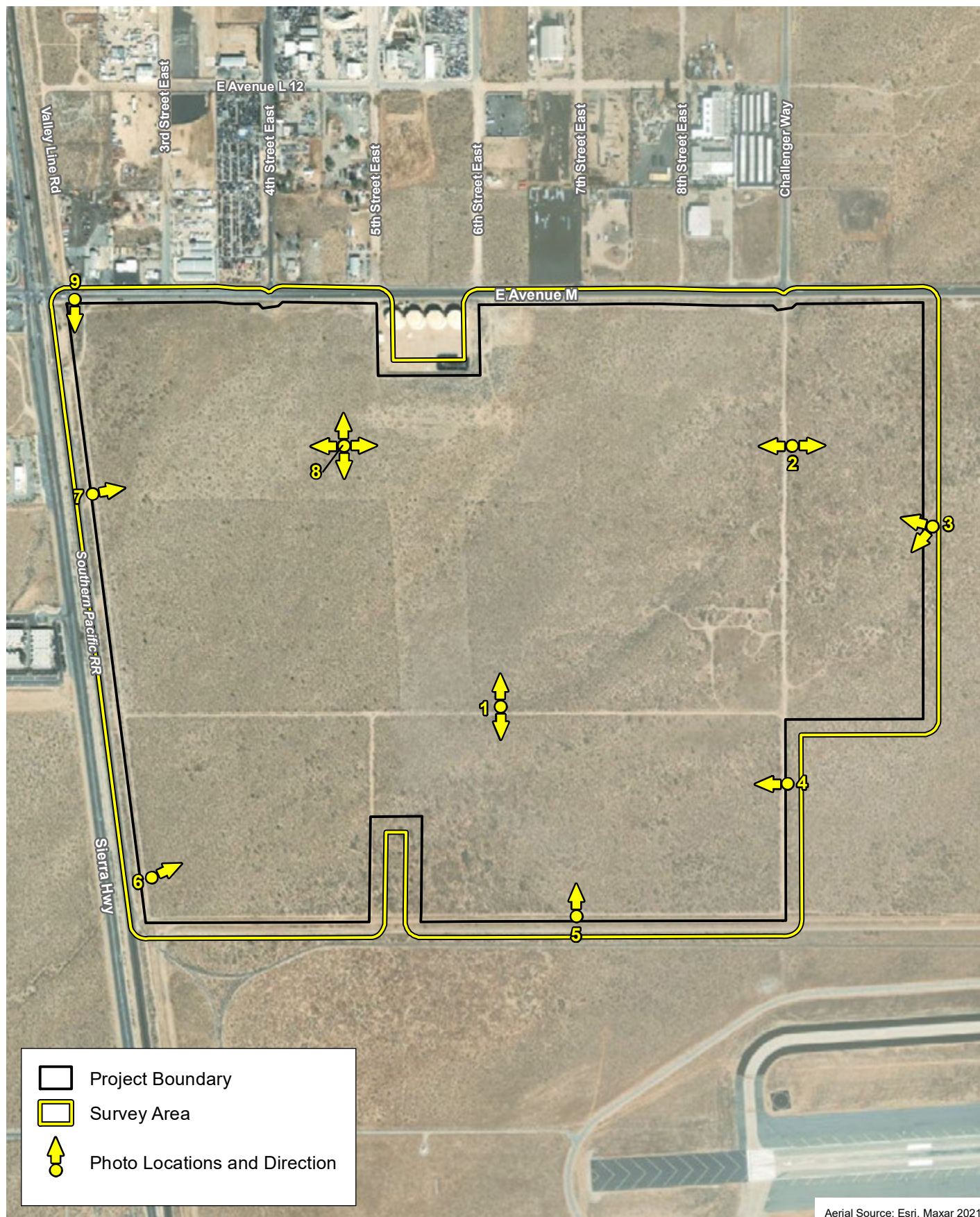


Photo Locations

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project

Exhibit C-1



850 425 0 850
Feet



(Rev: 09/28/2022 JVR) R:\Projects\TBP\3TBP010200\Graphics\JD\lex_Photos.pdf

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Photo Location 1, facing north. March 22, 2022. Overview of project site conditions.



Photo Location 1, facing south. March 22, 2022. Overview of project site conditions.

Site Photos

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project





Photo Location 2, facing east. March 22, 2022. Overview of project site conditions.



Photo Location 2, facing west. March 22, 2022. Overview of project site conditions.

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Site Photos

Exhibit C-3

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project



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Photo Location 3, facing northwest. March 22, 2022. Overview of project site conditions.



Photo Location 3, facing southwest. March 22, 2022. Overview of project site conditions.

Site Photos

Exhibit C-4

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project





Photo Location 3, facing northwest. March 22, 2022. Overview of project site conditions.



Photo Location 3, facing southwest. March 22, 2022. Overview of project site conditions.

Site Photos

Exhibit C-4

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project





Photo Location 6, facing northeast. March 22, 2022. Overview of project site conditions.



Photo Location 7, facing east. March 22, 2022. Overview of project site conditions.

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Site Photos

Exhibit C-6

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project



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Photo Location 8, facing north. March 22, 2022. Overview of project site conditions.



Photo Location 8, facing east. March 22, 2022. Overview of project site conditions.

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Site Photos

Exhibit C-7

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project





Photo Location 8, facing south. March 22, 2022. Overview of project site conditions.



Photo Location 8, facing west. March 22, 2022. Overview of project site conditions.

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Site Photos

Exhibit C-8

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project





Photo Location 9, facing south. March 22, 2022. View of unnamed drainage ditch.

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Site Photos

Exhibit C-9

Jurisdictional Delineation Report for the Antelope Valley Commerce Center Project



(09/28/2022 MMD) R:\Projects\TBP\3TBP010200\Graphics\JD\ex_Photos.pdf

ATTACHMENT D
WETLAND DETERMINATION DATASHEET

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Antelope Valley Commerce Center City/County: Palmdale / Los Angeles Sampling Date: 3/22/2022
 Applicant/Owner: Covington Group Inc. State: CA Sampling Point: 1
 Investigator(s): David Hughes Section, Township, Range: Section 2, Township 6N, Range 12W
 Landform (hillslope, terrace, etc.): flat Local relief (concave, convex, none): flat Slope (%): 1
 Subregion (LRR): Mediterranean California (LRR C) Lat: 34.643670° Long: -118.120543° Datum: WGS 84
 Soil Map Unit Name: Cajon sandy loam, 0 to 2 percent slopes NWI classification: PUSJ

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: Sampling point in a flat area in central portion of site. No field indications of wetland conditions, but this area is shown in USFWS national wetlands inventory.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>15'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0%</u> (A/B)
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
<u>0</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species <u>50</u> x 5 = <u>250</u> Column Totals: <u>50</u> (A) <u>250</u> (B) Prevalence Index = B/A = <u>5.0</u>
Sapling/Shrub Stratum (Plot size: <u>5'</u>)				
1. <u>Ericameria nauseosa</u>	<u>30</u>	<u>Y</u>	<u>UPL</u>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
<u>30</u> = Total Cover				
Herb Stratum (Plot size: <u>5'</u>)				Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Malacothrix californica</u>	<u>10</u>	<u>Y</u>	<u>UPL</u>	
2. <u>Amsinckia intermedia</u>	<u>5</u>	<u>Y</u>	<u>UPL</u>	
3. <u>Cryptantha sp.</u>	<u>5</u>	<u>Y</u>	<u>UPL</u>	
4. _____	_____	_____	_____	
<u>20</u> = Total Cover				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: <u>15'</u>)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
<u>0</u> = Total Cover				
% Bare Ground in Herb Stratum <u>80</u> % Cover of Biotic Crust <u>0</u>				Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Remarks:

SOIL

Sampling Point: 1

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Water Marks (B1) (Riverine)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Biotic Crust (B12)	<input type="checkbox"/> Sediment Deposits (B2) (Riverine)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Drift Deposits (B3) (Riverine)
<input type="checkbox"/> Water Marks (B1) (Nonriverine)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Sediment Deposits (B2) (Nonriverine)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3) (Nonriverine)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): 6 Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): (includes capillary fringe)		Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

APPENDIX J

IMPACT PHASING LETTER REPORT

October 23, 2023

Connie Anderson
T&B Planning, Inc
Senior Project Manager
3200 El Camino Real, Suite 100
Irvine, California 92602

VIA EMAIL
canderson@tbplanning.com

Subject: Supplemental Letter Assigning Impacts and Mitigation for Phase I and Phases 2–4 for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Ms. Anderson,

This supplemental letter report describes the impacts and associated mitigation measures for (a) Phase 1; and (b) Phases 2–4 of the proposed Antelope Valley Commerce Center Project in the City of Palmdale, Los Angeles County, California (see Exhibit 1). A full Project impact assessment was conducted for the proposed Project and is presented in the 2023 Biological Technical Report (BTR) (Psomas 2023) which assessed Project impacts for the entire Antelope Valley Commerce Center Specific Plan (Phases 1–4). This report will present the Project impact calculations resulting from Phase 1 and Phases 2–4, separately. Biological resources not expected to be impacted during Project implementation are not discussed in this report. Refer to the BTR for a full Project biological assessment.

PHASE 1

Direct Impacts

Vegetation Types and Other Areas

Vegetation types and other areas that would be impacted by Phase 1 are presented in Table 1 below.

225 South Lake Avenue
Suite 1000
Pasadena, CA 91101

Tel 626.351.2000
Fax 626.351.2030
www.Psomas.com

TABLE 1
VEGETATION TYPES AND OTHER AREAS
IMPACTED BY PHASE 1 OF THE PROJECT

Vegetation Types and Other Areas	Impacted (Acres)
Joshua tree woodland	75.28
rubber rabbitbrush - Nevada ephedra scrub/Joshua tree woodland	31.43
disturbed rubber rabbitbrush - Nevada ephedra scrub	21.73
creosote bush scrub	0.06
bare ground	0.99
Total	129.50
<i>Note: total acreage may not equal the addition of each row above due to rounding of acreage within each row. Additional impacts within the paved roadway and shoulder are expected but not reflected within these calculations due to subsequent engineering refinements. Other differences in acreage may occur due to slight shift in engineering line work resulting in slivers of unaccounted impact area. However, no direct impact on biological resources is expected to result from these variations.</i>	

General Habitat and Wildlife

Phase 1 would permanently impact approximately 128.51 acres of native vegetation types (Joshua tree woodland, rubber rabbitbrush - Nevada ephedra scrub/Joshua tree woodland, disturbed rubber rabbitbrush - Nevada ephedra scrub, and creosote bush scrub) and 0.99 acres of bare ground. The loss of native and non-native vegetation that provides wildlife habitat is considered an adverse impact. However, the loss of native and non-native habitat on the Project site would not be expected to reduce populations of common wildlife species below self-sustaining levels in the Project region. Although this impact would be considered adverse but less than significant, and no mitigation would be required, **MM BIO-1** is included to lessen adverse effects of common wildlife species by requiring a biological monitoring during vegetation removal to facilitate wildlife salvage.

Several common bird species have the potential to nest in the vegetation or on the ground on the Project site. The loss of an active migratory bird nest, including nests of common species, would be considered a violation of the MBTA and Sections 3503, 3503.5, and 3513 of *California Fish and Game Code*. The MBTA and *California Fish and Game Code* prohibits the taking of migratory birds, nests, and eggs. The potential loss of an active nest would be considered adverse but not significant because the impact does not meet the significance criteria identified above. However, **MM BIO-2** has been included to address the time frame in which construction could occur to avoid active nests and includes a requirement for pre-construction surveys and avoidance of active nests. Implementation of **MM BIO-2** would prevent the adverse impact and ensure that construction impacts would not violate the provisions of the MBTA and *California Fish and Game Code*.

Special Status Vegetation Types

One special status vegetation type occurs in the survey area: Joshua tree woodland. Impacts to this vegetation type would be considered potentially significant. Implementation of **MMs BIO-1, BIO-3, and BIO-4** would reduce impacts to a less than significant level.

Special Status Plant Species

Two special status plant species were observed in Phase 1 during focused surveys: crowned muillia (*Muilla coronata*) and western Joshua tree (*Yucca brevifolia*). Impacts to crowned muillia would not be

October 23, 2023
 Connie Anderson
 Page 3

considered significant because of their relative abundance in the Project region and the small population on the Project site.

Impacts to the western Joshua tree, a California Candidate Threatened species, would be considered significant and mitigation would be required. An Endangered Species Act Section 10(a)(1)(B) ITP or Western Joshua Tree Conservation Act ITP would be required for impacts to Joshua trees. Implementation of **MMs BIO-1, BIO-3, and BIO-4** would reduce impacts to a less than significant level.

Desert Native Plants Act

Phase 1 of the Project would impact a total of nine cactus individuals protected by the California Desert Native Plants Act (CDNPA). These impacts are considered potentially significant and would require a permit from Los Angeles County. Implementation of **MM BIO-6** would reduce potential impacts to less than significant and ensure compliance with the CDNPA.

Special Status Wildlife Species

Burrowing owl has potential to nest in the Phase 1 area. Impacts to burrowing owl would be considered potentially significant. Implementation of **MM BIO-2** and **MM BIO-7** would reduce this impact to a less than significant level through measures that would avoid and minimize the potential for loss of an active nest/burrow and/or the direct mortality of individuals. Two additional special status bird species have potential to nest and forage in Phase 1: loggerhead shrike, and LeConte's thrasher. Implementation of **MM BIO-2** would ensure that measures are taken to avoid and minimize impacts on active nests. Several bird species Los Angeles Audubon Society considers "at-risk" in the region may occur for foraging on the Project site (Allen et al. 2009). Implementation of **MM BIO-2** would ensure that measures are taken to avoid and minimize impacts on active nests.

Desert kit fox and American badger may occur in Phase 1 for foraging and breeding. Impacts to these species would be considered potentially significant. Implementation of **MM BIO-8** would include conditions that would avoid and minimize impacts on desert kit foxes and American badgers and active dens.

One special status reptile species may occur in Phase 1: northern legless lizard. Impacts to this species would be considered potentially significant. Implementation of **MM BIO-1** would lessen any potential adverse impacts to this species.

Indirect Impacts

Water Quality

Drainages in the vicinity of the Phase 1 could be impacted as a result of changes in water quality. These impacts would be considered potentially significant. Implementation of **MM BIO 9**, which includes Best Management Practices that would reduce construction-related pollutants, would reduce this impact to a less than significant level.

Noise and Vibration

Common and special status bird species have the potential to nest in habitat adjacent to Phase 1. Impacts to nesting birds would be considered potentially significant. Implementation of **MM BIO-2** would ensure that construction impacts would not violate the provisions of the MBTA or *California Fish and Game Code* Sections 3503, 3503.5, and 3513.

October 23, 2023
Connie Anderson
Page 4

Night Lighting

Night lighting in Phase 1 may impact the behavioral patterns of nocturnal and crepuscular (i.e., active at dawn and dusk) wildlife adjacent to night lighting. This impact is potentially significant. Implementation of **MM BIO 10**, which requires that spillover of night light be limited to the extent practicable, would reduce this impact to a less than significant level.

Invasive Exotic Plant Species

Landscaping in Phase 1 that includes the installation of non-native, invasive plant species (e.g., species listed in the California Invasive Plant Council's invasive plant inventory) can be detrimental to surrounding native habitat. These impacts would be considered potentially significant. Implementation of **MM BIO 11** would prohibit the use of non-native, invasive plant species in landscaping associated with Phase 1. This measure would reduce this potential impact to a less than significant level.

Human Activity

Construction activities in Phase 1 create disturbance, which in turn provides a place for non-native weedy species to spread. Additionally, construction equipment can introduce non-native weed seeds to the area if equipment is not properly cleaned. These impacts would be considered potentially significant. Implementation of **MM BIO 12** would require use of Best Management Practices associated with prevention of the spread of weed seeds to reduce this potential impact to a less than significant level.

Common and special status bird species have the potential to nest in habitat adjacent to Phase 1. Human activity in the vicinity of an active nest could result in the loss of an active bird nest. These impacts would be considered potentially significant. Implementation of **MM BIO 2** would ensure that construction impacts resulting from increased human activity would not violate the provisions of the MBTA or *California Fish and Game Code* Sections 3503, 3503.5, and 3513.

PHASES 2–4

Direct Impacts

Vegetation Types and Other Areas

Vegetation types and other areas that would be impacted by Phases 2–4 are presented in Table 2 below.

October 23, 2023
 Connie Anderson
 Page 5

TABLE 2
VEGETATION TYPES AND OTHER AREAS
IMPACTED BY PHASES 2–4 OF THE PROJECT

Vegetation Types and Other Areas	Impacted (Acres)
Joshua tree woodland	123.05
disturbed Joshua tree woodland	6.17
rubber rabbitbrush - Nevada ephedra scrub/Joshua tree woodland	36.75
creosote bush scrub	9.17
bare ground	2.76
Total	178.42
<i>Note: total acreage may not equal the addition of each row above due to rounding of acreage within each row. Additional impacts within the paved roadway and shoulder are expected but not reflected within these calculations due to subsequent engineering refinements. Other differences in acreage may occur due to slight shift in engineering line work resulting in slivers of unaccounted impact area. However, no direct impact on biological resources is expected to result from these variations.</i>	

General Habitat and Wildlife

Phases 2–4 would permanently impact approximately 175.14 acres of native vegetation types (Joshua tree woodland, disturbed Joshua tree woodland, rubber rabbitbrush - Nevada ephedra scrub/Joshua tree woodland, creosote bush scrub) and 2.76 acres of bare ground. The loss of native and non-native vegetation that provides wildlife habitat is considered an adverse impact. However, the loss of native and non-native habitat on the Project site would not be expected to reduce populations of common wildlife species below self-sustaining levels in the Project region. Although this impact would be considered adverse but less than significant, and no mitigation would be required, **MM BIO-1** is included to lessen adverse effects of common wildlife species.

Several common bird species have the potential to nest in the vegetation or on the ground on the Project site. The loss of an active migratory bird nest, including nests of common species, would be considered a violation of the MBTA and Sections 3503, 3503.5, and 3513 of *California Fish and Game Code*. The MBTA and *California Fish and Game Code* prohibits the taking of migratory birds, nests, and eggs. The potential loss of an active nest would be considered adverse but not significant because the impact does not meet the significance criteria identified above. However, **MM BIO-2** has been included to address the time frame in which construction could occur to avoid active nests and includes a requirement for pre-construction surveys and avoidance of active nests. Implementation of **MM BIO-2** would prevent the adverse impact and ensure that construction impacts would not violate the provisions of the MBTA and *California Fish and Game Code*.

Special Status Vegetation Types

Two special status vegetation type occurs in Phases 2–4: Joshua tree woodland and disturbed Joshua tree woodland. Impacts to these vegetation types would be considered potentially significant. Implementation of **MMs BIO-1, BIO-3, and BIO-4** would reduce impacts to a less than significant level.

October 23, 2023
 Connie Anderson
 Page 6

Special Status Plant Species

One special status plant species was observed in Phases 2–4 during focused surveys: western Joshua tree. Impacts to the western Joshua tree, a California Candidate Threatened species, would be considered significant and mitigation would be required. An Endangered Species Act Section 10(a)(1)(B) ITP or Western Joshua Tree Conservation Act ITP would be required for impacts to Joshua trees. Implementation of **MMs BIO-1, BIO-3, and BIO-4** would reduce impacts to a less than significant level.

Special Status Wildlife Species

Burrowing owl has potential to nest in Phases 2–4. Impacts to burrowing owl would be considered potentially significant. Implementation of **MM BIO-2** and **MM BIO-7** would reduce this impact to a less than significant level through measures that would avoid and minimize the potential for loss of an active nest/burrow and/or the direct mortality of individuals. Two additional special status bird species have potential to nest and forage in Phases 2–4: loggerhead shrike, and LeConte’s thrasher. Implementation of **MM BIO-2** would ensure that measures are taken to avoid and minimize impacts on active nests. Several bird species Los Angeles Audubon Society considers “at-risk” in the region may occur for foraging on the Project site (Allen et al. 2009). Implementation of **MM BIO-2** would ensure that measures are taken to avoid and minimize impacts on active nests.

Desert kit fox and American badger may occur in Phases 2–4 for foraging and breeding. Impacts to these species would be considered potentially significant. Implementation of **MM BIO-8** would include conditions that would avoid and minimize impacts on desert kit foxes and American badgers and active dens.

One special status reptile species may occur in Phases 2–4: northern legless lizard. Impacts to this species would be considered potentially significant. Implementation of **MM BIO-1** would lessen any potential adverse impacts to this species to a less than significant level.

Indirect Impacts

Water Quality

Drainages in the vicinity of the Phases 2–4 could be impacted as a result of changes in water quality. These impacts would be considered potentially significant. Implementation of **MM BIO 9**, which includes Best Management Practices that would reduce construction-related pollutants, would reduce this impact to a less than significant level.

Noise and Vibration

Common and special status bird species have the potential to nest in habitat adjacent to Phases 2–4. Impacts to nesting birds would be considered potentially significant. Implementation of **MM BIO-2** would ensure that construction impacts would not violate the provisions of the MBTA or *California Fish and Game Code* Sections 3503, 3503.5, and 3513.

Night Lighting

Night lighting in Phases 2–4 may impact the behavioral patterns of nocturnal and crepuscular (i.e., active at dawn and dusk) wildlife adjacent to night lighting. This impact is potentially significant. Implementation of **MM BIO 10**, which requires that spillover of night light be limited to the extent practicable, would reduce this impact to a less than significant level.

October 23, 2023
 Connie Anderson
 Page 7

Invasive Exotic Plant Species

Landscaping in Phases 2–4 that includes the installation of non-native, invasive plant species (e.g., species listed in the California Invasive Plant Council’s invasive plant inventory) can be detrimental to surrounding native habitat. These impacts would be considered potentially significant. Implementation of **MM BIO 11** would prohibit the use of non-native, invasive plant species in landscaping associated with Phases 2–4. This measure would reduce this potential impact to a less than significant level.

Human Activity

Construction activities in Phases 2–4 create disturbance, which in turn provides a place for non-native weedy species to spread. Additionally, construction equipment can introduce non-native weed seeds to the area if equipment is not properly cleaned. These impacts would be considered potentially significant. Implementation of **MM BIO 12** would require use of Best Management Practices associated with prevention of the spread of weed seeds to reduce this potential impact to a less than significant level.

Common and special status bird species have the potential to nest in habitat adjacent to Phases 2–4. Human activity in the vicinity of an active nest could result in the loss of an active bird nest. These impacts would be considered potentially significant. Implementation of **MM BIO 2** would ensure that construction impacts resulting from increased human activity would not violate the provisions of the MBTA or *California Fish and Game Code* Sections 3503, 3503.5, and 3513.

RECOMMENDED MITIGATION MEASURES

BIO 1 Avoidance and Minimization Measures to Avoid Incidental Take of Joshua Tree/Joshua Tree Woodland. For all vegetation removal activities, the Project Applicant shall retain a qualified Biologist to ensure that incidental construction impacts on Joshua trees and special status wildlife species are avoided or minimized. Responsibilities of the Construction Biological Monitor shall include the following:

- a. Attendance at the pre-construction tailboard meeting (i.e., on-site meeting prior to work activities) to ensure that timing and location of construction activities do not conflict with other mitigation requirements (e.g., seasonal surveys for nesting birds). The meeting shall be conducted with the Construction Contractor and other key construction personnel to describe the importance of restricting work to designated areas.
- b. Discussion with the Construction Contractor of procedures to minimize harm/harassment of wildlife that may be encountered during construction.
- c. Review/designation of the construction area with the Construction Contractor in accordance with the Final Grading Plan. Haul roads, access roads, and on-site staging and storage areas shall be sited in grading areas to minimize degradation of habitat adjacent to these areas. If activities outside these limits are necessary, they shall be evaluated by the Biologist to ensure no special status species or habitats will be affected.
- d. A field review that is conducted to stake designated construction limits (to be set by a Surveyor retained by the Project Applicant). Any construction activity areas immediately adjacent to Joshua tree woodland may be flagged or temporarily fenced by the Biological Monitor at his/her discretion.

October 23, 2023
 Connie Anderson
 Page 8

- e. The Biologist shall relocate northern legless lizard to suitable habitat at a distance of greater than 300 feet from the Project impact area which would otherwise be destroyed or adversely affected by construction and/or site-preparation activities. All wildlife will be handled with clean sterile gloves and relocated in a timely manner to minimize stress to the individual.
- f. Submittal of a brief report to the City discussing any unapproved disturbances resulting in impacts to special status resources within 48 hours of the incident.

In addition, a Biological Monitor will be on site during all initial vegetation removal and will employ salvage methods to minimize direct impacts to common wildlife species associated with the Joshua tree woodland, a special status vegetation type. Where feasible, the Biological Monitor will attempt to ensure wildlife are out of potential direct impact. If a wildlife species is in harm's way and has not moved on its own, the Biologist will attempt to scare them away from the area. If wildlife does not move, and where feasible, the wildlife species will be relocated to suitable habitat.

BIO 2

Nesting Birds/Raptors. To avoid impacts on active nests for common and special status birds and raptors, the Project Applicant shall schedule vegetation clearing and blasting during the non-breeding season (i.e., September 16 to January 31) to the extent feasible. If Project timing requires that vegetation clearing occur between February 1 and September 15, the Project Applicant or its designee shall retain a qualified Biologist to conduct a pre-construction survey for nesting birds and raptors. The pre-construction survey shall be conducted by a qualified Biologist within three days prior to vegetation clearing. The pre-construction nesting bird survey area shall include the Project impact area (i.e., disturbance footprint) plus a 250-foot buffer to search for nesting birds and a 500-foot buffer to search for nesting raptors. If no active nests are found, no further mitigation would be required.

If an active nest is located in the pre-construction nesting bird survey area, the Biologist shall delineate an appropriate buffer to protect the nest based on the sensitivity of the species. A protective buffer of 500 feet shall be used to protect nesting raptors. If appropriate, a smaller buffer may be considered (as determined by the Biologist) based on site topography, existing disturbance, sensitivity of the individuals (established by observing the individuals at the nest), and the type of construction activity. No construction activities shall be allowed in the designated buffer area until the Biologist determines that nesting activity has ended. Construction may proceed within the buffer once the Biologist determines that nesting activity has ceased (i.e., fledglings have left the nest or the nest has failed). The designated buffer will be clearly marked in the field and will be mapped as Environmentally Sensitive Areas (ESAs) on construction plans.

Prior to the initiation of construction activities, an email summary of the results shall be submitted to the City by the Project Applicant with a map of any active nests found and their designated buffers. Construction shall be allowed to proceed if standard buffer distances are employed for any active nests. The Biologist shall then prepare a formal Letter Report describing methods used, results of the survey, recommended buffers, and/or justification for buffer reductions. The Letter Report shall be submitted to the City within one week of completion of the survey. If an active nest is observed during the survey, the Letter Report shall include a map showing the designated protective buffer.

October 23, 2023
 Connie Anderson
 Page 9

BIO 3 **Take Permits.** Prior to the issuance of grading or building permits, the Project Applicant shall obtain a CESA Section 2081 Incidental Take Permit (ITP) or a Joshua Tree Conservation Act ITP from the CDFW allowing impacts to western Joshua tree, a State Candidate species. Compensatory mitigation for impacts on Joshua tree woodland are described in **MM BIO 4**. If regulatory status changes at any point prior to impacts, and the species is no longer designated as a State Candidate for listing or a State listed species, an ITP would no longer be required.

BIO 4 **Joshua Tree Woodland.** The Project Applicant shall provide mitigation for permanently impacting Joshua tree woodland and disturbed Joshua tree woodland. The goal of this mitigation is to ensure no net loss of habitat following implementation of the Project. Mitigation ratios (i.e., the amount of mitigation acreage compared to the amount of impacted habitat) shall be negotiated with the resource agencies but shall be no less than 1:1, replacing each acre of habitat lost with of one acre of equivalent or higher quality habitat. This mitigation may be in the form of habitat preservation, restoration, enhancement, and/or establishment (i.e., creation), or an in-lieu fee program discussed below. The Project Applicant shall implement one or a combination of these options, as approved by CDFW in the permit described in **MM BIO 3**. Successful implementation of **MM BIO 3** shall eliminate the requirements of **MM BIO 4**.

1. Preservation consists of acquisition of mitigation lands containing viable occurrences of the species, or that enhance the sustainability of the occurrences by protecting buffer lands and protecting those occurrences in perpetuity under a conservation easement or an in-lieu fee program that is transferred to a qualified land trust or public agency.
2. Restoration consists of the re-establishment or rehabilitation of mitigation land with the goal of returning natural or historic functions and characteristics. Restoration may result in a gain in habitat function, acreage, or both.
3. Enhancement consists of activities that heighten, intensify, or improve one or more habitat functions. Enhancement results in a gain in habitat function but does not result in a net gain in habitat acreage.
4. Establishment consists of the development of habitat in an area where it did not previously exist through manipulation of the physical, chemical, and/or biological characteristics of the site.

Compensatory mitigation may be in the form of permittee-responsible mitigation, in which the permittee maintains liability for the construction and long-term success of the mitigation site or through mitigation banking/in-lieu fee program, where liability for Project success is transferred to a third party (i.e., a mitigation bank/in-lieu fee sponsor). If the Project Applicant elects to provide mitigation through mitigation banking/in-lieu fee program, the mitigation bank/program shall be selected by the Project Applicant and approved by CDFW and payment shall be made prior to the issuance of grading or building permits. The Joshua Tree Conservation Act ITP process establishes an in-lieu fee program directly with CDFW (See **MM BIO 3**).

For permittee-responsible mitigation involving establishment, restoration, or enhancement of habitat, the Project Applicant shall retain a qualified Biologist to prepare a Habitat Mitigation Monitoring Plan (HMMP) to mitigate for loss of Joshua tree

October 23, 2023
 Connie Anderson
 Page 10

woodland habitat. The HMMP shall be reviewed/approved by CDFW prior to issuance of grading or building permits. The detailed HMMP shall contain the following items:

1. **Responsibilities and Qualifications of the Personnel to Implement and Supervise the Plan.** The responsibilities of the Project Applicant or its designee, specialists, and maintenance personnel, as well as the qualifications of specialists and maintenance personnel that will supervise and implement the plan, will be specified.
2. **Site Selection.** Site selection for restoration, establishment, enhancement, and/or preservation mitigation shall be determined in coordination with the Project Applicant, or its designee, and resource agencies. The mitigation site(s) shall be located in a dedicated open space area or on land that shall be dedicated and/or purchased off site.
3. **Site Preparation and Planting Implementation.** Site preparation shall include the following, as determined by specific site conditions and permit requirements: protection of existing native species, trash and weed removal, native species salvage and reuse (i.e., duff), soil treatments (i.e., imprinting, decompacting), temporary irrigation installation, erosion-control measures (i.e., rice or willow wattles), seed mix application, and container species.
4. **Schedule.** A schedule that requires planting to occur between October 1 and March 1 shall be developed.
5. **Maintenance Plan/Guidelines.** The maintenance plan shall include the following, as determined by specific site conditions and permit requirements: weed control, herbivory control, trash removal, irrigation system maintenance, maintenance training, and replacement planting.
6. **Monitoring Plan.** The site shall be monitored and maintained for a minimum of five years to ensure successful establishment of riparian habitat within the restored and created areas. The monitoring plan shall include qualitative monitoring (i.e., photographs and general observations); quantitative monitoring (e.g., randomly placed transects); performance criteria, as approved by the resource agencies; and monthly reports for the first year with quarterly reports thereafter and annual reports for all five years.
7. **Long-Term Preservation.** Long-term preservation of the site shall be outlined in the restoration and enhancement plan to ensure the mitigation site is not impacted by future development.

Although monitoring plans are typically scheduled for five years, if performance standards are successfully met prior to five years, the Project Applicant may request to be released from remaining monitoring requirements by CDFW.

BIO 5

City of Palmdale Tree Permit. Per the City of Palmdale Emergency Ordinance No. 1556, a City approved Biologist shall prepare a Desert Vegetation Preservation Plan and the City shall issue a permit for Joshua tree removal prior to Project impacts. The City may defer to a CDFW ITP (See **MM BIO 3**), with no additional requirements, if one is issued for the project.

October 23, 2023
 Connie Anderson
 Page 11

BIO 6 **California Desert Native Plant Harvesting Permits.** Prior to the initiation of construction, the Project Applicant shall obtain the necessary permits, tags, and/or seals, and shall pay the appropriate fees for removal of any individuals of a species protected by the *California Desert Native Plant Protection Act*. This includes nine silver cholla.

BIO 7 **Burrowing Owl Pre-Construction Survey.** Per the *Staff Report on Burrowing Owl Mitigation* (CDFG 2012), the Project Applicant shall retain a qualified Biologist to conduct a pre-construction survey for the burrowing owl no less than 14 days prior to any ground disturbance by the Project and no greater than 30 days prior to ground disturbance in each Project area. The pre-construction survey shall include the area of proposed disturbance plus a 500-foot buffer (if access is available).

If an active burrow is observed outside the breeding season (i.e., September 1 to January 31) and it cannot be avoided, the burrowing owl shall be passively excluded from the burrow following methods described in CDFG 2012. One-way doors shall be used to exclude owls from the burrows; doors shall be left in place for at least 48 hours. Once the burrow is determined to be unoccupied, as verified by site monitoring, the burrow shall be closed by a qualified Biologist who shall excavate the burrow using hand tools. Prior to excluding an owl from an active burrow, a receptor burrow survey shall be conducted to confirm that at least two potentially suitable unoccupied burrows are within approximately 688 feet prior to installation of the one-way door. If two natural receptor burrows are not located, one artificial burrow shall be created for every burrow that would be closed.

If an active burrow is observed outside the breeding season (i.e., September 1 to January 31) and it can be avoided, the Biologist shall determine an appropriate protective buffer for the burrow based on CDFW guidelines. The buffer shall range from 160 feet to 1,640 feet depending on the level of impact and the time of year (see Table below). The designated buffer will be clearly marked in the field and will be mapped as an ESA on construction plans. The Project Applicant or its designee shall contact CDFW to determine whether a reduced buffer can be accommodated without adversely impacting occupied burrows.

If an active burrow is observed during the breeding season (i.e., February 1 to August 31), the active burrow shall be protected until nesting activity has ended (i.e., all young have fledged from the burrow). The Biologist shall determine the appropriate protective buffer for the burrow based on CDFW guidelines. The buffer shall range from 650 to 1,640 feet depending on the level of impact and the time of year (see Table below). The designated buffer will be clearly marked in the field and will be mapped as an ESA on construction plans. The Project Applicant or its designee shall contact CDFW to determine whether a reduced buffer can be accommodated without adversely impacting occupied burrows. Construction shall be allowed to proceed when the qualified Biologist has determined that all fledglings have left the nest. Compensatory mitigation for the loss of foraging habitat shall be satisfied with implementation of MM BIO 6.

BURROWING OWL PROTECTIVE BUFFER SIZES

	Time of Year	Level of Disturbance		
		Low	Medium	High
Nesting sites	April 1 to August 15	656 feet (200 meters)	1,640 feet (500 meters)	1,640 feet (500 meters)
Nesting sites	August 16 to October 15	656 feet (200 meters)	656 feet (200 meters)	1,640 feet (500 meters)
Nesting sites	October 16 to March 31	164 feet (50 meters)	328 feet (100 meters)	1,640 feet (500 meters)

Upon completion of the pre-construction burrowing owl survey, a Letter Report shall be prepared and submitted to CDFW documenting the results of the survey within two weeks of completion of the survey effort. If an active burrow is observed, the Letter Report shall include a description of the protective buffer that has been designated and a summary of any additional correspondence with the CDFW.

If time lapses of greater than 30 days occur during construction in a particular portion of the work area, an additional survey shall be conducted by a qualified Biologist within 24 hours prior to vegetation clearing and/or ground disturbance in that area. If any new burrowing owl burrows are observed, the conditions above shall be applied.

BIO 8

Desert Kit Fox/American Badger Burrows. The Project Applicant shall retain a qualified Biologist to conduct a pre-construction burrow survey for desert kit fox and American badger no less than 14 days and no more than 30 days prior to initiation of ground disturbance/construction activities. Ideally, this survey shall be conducted outside the breeding season (i.e., February 1 to September 15) to allow for passive exclusion, if necessary. The pre-construction survey shall include the Project site plus a 200-foot buffer (if access is available). If no active burrows are found, no further mitigation would be required.

If an active burrow is observed outside the breeding season (i.e., September 16 to January 31) and it cannot be avoided, the burrow shall be closed using passive exclusion. One-way doors shall be used to exclude American badgers from their burrows; doors shall be left in place for at least five nights. Progressive soil blocking shall be used to discourage use by desert kit fox. Once the burrow is determined to be unoccupied (i.e., not used for five nights), as verified by site monitoring (e.g., wildlife cameras), the burrow shall be closed by a qualified Biologist who shall excavate the burrow using hand tools.

If an active burrow is observed outside the breeding season (i.e., September 16 to January 31) and it can be avoided, a 50-foot protective buffer shall be delineated around the burrow. The designated buffer will be clearly marked in the field and will be mapped as an ESA on construction plans. The Project Applicant shall consult with CDFW to determine whether a reduced buffer can be accommodated without adversely impacting occupied burrows.

If an active den is observed during the breeding season (i.e., February 1 to September 15), the active den shall be protected with a 100-foot buffer until breeding activity has ended. The designated buffer will be clearly marked in the field and will be mapped as an ESA on construction plans. The Project Applicant shall contact CDFW to

October 23, 2023
Connie Anderson
Page 13

determine whether a reduced buffer can be accommodated without adversely impacting the occupied den. Construction shall be allowed to proceed when the qualified Biologist has determined that the burrow is no longer active based on site monitoring (i.e., no activity has been observed at the burrow for five nights).

Upon completion of the pre-construction burrow survey, a Letter Report shall be prepared and submitted to CDFW documenting the results of the survey within two weeks of completing the survey effort. If an active burrow/den is observed, the Letter Report shall include a description of the protective buffer that has been designated and a summary of any additional correspondence with the CDFW.

BIO 9 **Best Management Practices.** The Project Applicant shall incorporate Best Management Practices (BMPs), including applicable measures required through the National Pollutant Discharge Elimination System (NPDES) requirements, to ensure that the quantity and quality of runoff discharged by Project activities does not adversely affect the Project area. In particular, BMPs shall be designed to prevent (to the extent feasible) the runoff of toxins, chemicals, petroleum products, or other elements that might degrade water quality. Additionally, BMPs shall be used to minimize erosion.

The areas where stockpiling can occur shall be selected in consultation with the monitoring Biologist. Spoils shall be stockpiled in disturbed areas lacking native vegetation. The Construction Contractor shall clearly mark stockpile areas to define the limits where stockpiling can occur.

The Construction Contractor shall designate an area for vehicle maintenance that is not within or adjacent to drainages or native vegetation. Fueling and maintenance of equipment shall take place within the vehicle maintenance area. Impervious ground surfaces or plastic covering shall be used to prevent spillage or leakage onto the ground surface. Any spilled hazardous materials shall be immediately cleaned and hazardous materials properly disposed of. Construction Contractor equipment shall be checked for leaks prior to operation and repaired as necessary.

BIO 10 **Night Lighting.** The Project Applicant or its designee shall ensure that night lighting shall be directed away from open space areas and shielding shall be incorporated in the final Project design to minimize spillover of night lighting into adjacent open space to the greatest extent practicable. Any such light fixtures installed adjacent to open space areas shall direct/reflect light downward and away from adjacent habitat areas.

BIO 11 **Landscaping.** The Project Applicant or its designee shall retain a qualified Biologist to review the landscaping plan to ensure that any landscaping component of the Project does not include the planting of exotic, invasive species that would potentially degrade the quality of the surrounding natural open space. A list of potential landscaping plant species shall be submitted to the Biologist for review; the Biologist shall ensure that exotic plant species known to be invasive (e.g., those on the California Invasive Plant Council's [Cal-IPC's] invasive plant inventory) are not included on the list. The Biologist shall make recommendations for more suitable plant species if necessary. Once a final plant palette is prepared, landscaping installed in the development area shall include only species on the approved palette.

October 23, 2023
Connie Anderson
Page 14

BIO 12 **Prevention of the Spread of Weed Seeds.** The introduction of exotic plant species shall be avoided and minimized to the extent practicable. Weed seeds entering the construction area via vehicles shall be minimized by requiring construction vehicles to be washed prior to delivery to the Project site. Track-clean or other methods of vehicle cleaning shall be used by the Construction Contractor to prevent weed seeds from entering/exiting the construction areas on vehicles. Additionally, wattles used for erosion control shall be certified as weed-free.

REFERENCES

Psomas. 2023 (*in prep*). *Biological Resources Technical Report Antelope Valley Commerce Center Project City of Palmdale, California*. Pasadena, CA: Psomas.