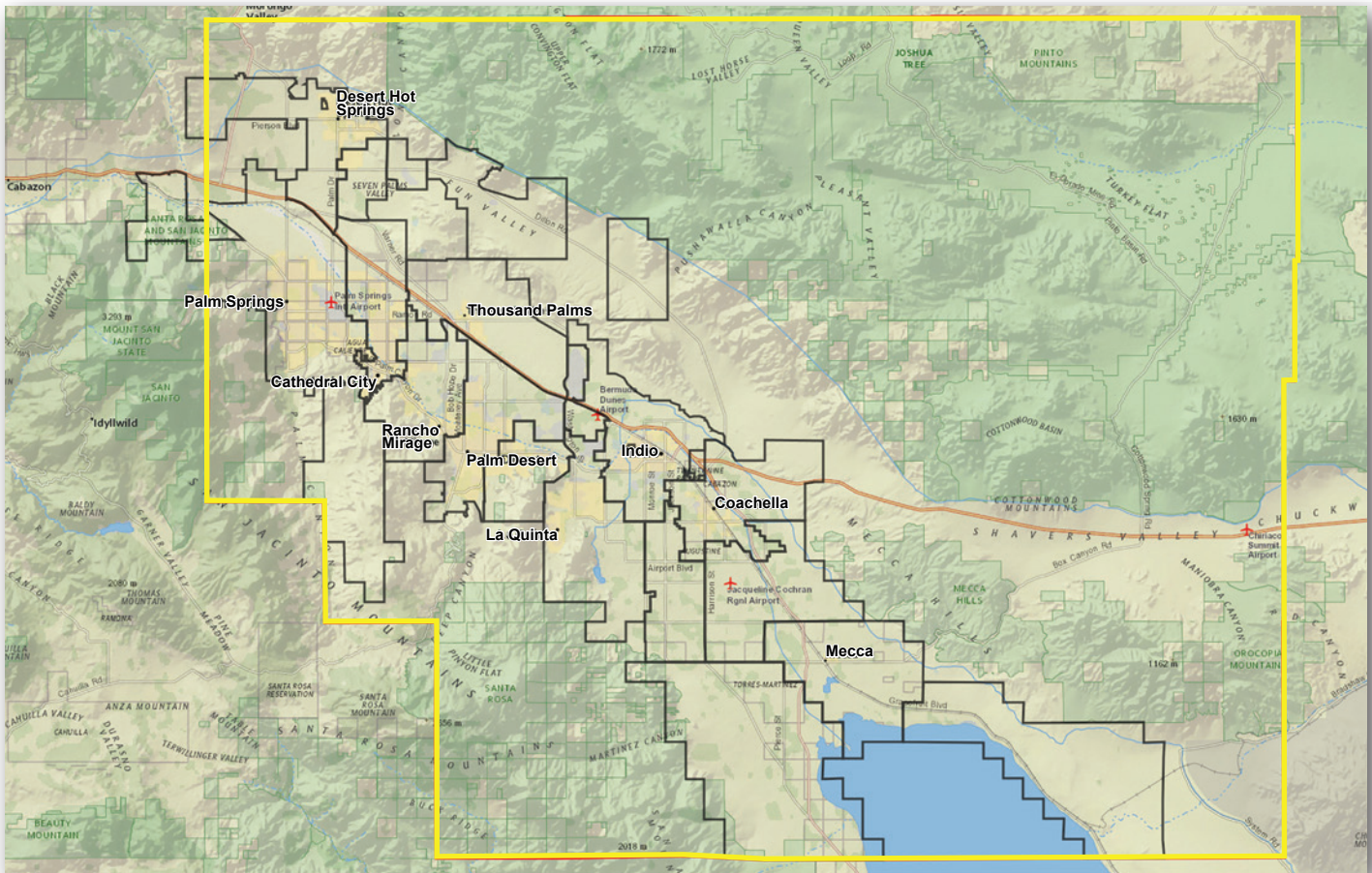




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July 2022

DRAFT

SUPPLEMENTAL

MITIGATED NEGATIVE DECLARATION/INITIAL STUDY

FOR THE

INTEGRATED VECTOR MANAGEMENT PROGRAM

Prepared for:

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JULY 2022

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1.0 INTRODUCTION

1.1 OVERVIEW

The Coachella Valley Mosquito and Vector Control District (CVMVCD or District) has prepared this Supplemental Mitigated Negative Declaration (MND) and Initial Study (IS) (collectively the “MND/IS”) to evaluate the potential environmental consequences associated with the proposed changes to the District’s ongoing Integrated Vector Management Program (IVMP) (Proposed Project). This Supplemental MND evaluates changes to the IVMP as originally evaluated in the 2011 MND.

The Project consists of the following types of activities within the District:

- Surveillance for vector populations, vector habitats, disease pathogens, and public nuisance associated with vectors. These include trapping and laboratory analysis of vectors in order to evaluate populations and disease threats, direct visual inspection of known or suspected vector habitats, the use of all-terrain vehicles to access areas where vectors occur, maintenance of paths, and public surveys.
- Public Education to encourage and assist in the reduction or prevention of vector habitats on private and public property.
- Application and introduction of the “mosquitofish” *Gambusia affinis*, the bacteria *Lysinibacillus sphaericus*, and *Bacillus thuringiensis israelensis*, and possible use of other predators or pathogens of mosquitoes and red imported fire ants (“Biological Control”).
- Elimination or alteration of vector producing habitats (when permissible) in suburban areas to prevent vector production and/or harborage (“Physical Control”).
- Application of non-persistent selective insecticides to reduce populations of larval or adult vectors (“Chemical Control”).

The District is considering the following changes to the IVMP program:

- Plans to use malathion (an organophosphate adult pesticide) in instances of high risk for virus transmission. Potential use of new products in the next 5 years for adult mosquito control.
- Modifications to aerial treatments by helicopter. The District routinely make on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. Not all of these are during daylight hours (as previously noted in making 6-10 applications by helicopter over cities. This may result in changes to noise levels).
- In addition, the District is considering the use and application of Bti (larvicide) for mosquito larvae. This product is the preferred one by US Fish and Wildlife Service when in areas near Casey’s June beetle.

- Use of aerial drone applications in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.
- Future work – the District is exploring using sterile mosquitoes. Male *Aedes* mosquitoes would be released, mate with female *Aedes* mosquitoes, and any eggs laid would not be viable.

The District is considering the retirement of, or reducing, certain programs including:

- Mosquitofish – the District has significantly reduced the number of mosquitofish used. Per CDFW guidance, the District will only place the fish on private property. This has reduced the District's need for a CDFW permit, and many of these sections can be revised to reflect this change.

1.2 AUTHORITY

The District, as Lead Agency pursuant to California Environmental Quality Act (CEQA), is required to undergo an environmental review process for the Proposed Project, pursuant to the CEQA and the CEQA Guidelines. The basic purposes of CEQA are as follows: to inform decision-makers and the public about the potentially significant environmental effects of proposed activities, identify ways to eliminate or reduce such potentially significant environmental impacts through the use of feasible alternatives and mitigation measures, and to disclose why a governmental agency may consider approving a project if significant environmental effects are involved. To help with understanding select issues, this document will provide references to the statute, CEQA Guidelines, or appropriate case law.

An Initial Study (IS) is used to determine if a project may have a significant effect on the environment. The IS, as required by CEQA, describes the Proposed Project and environmental setting, discusses the potential environmental impacts, and identifies feasible mitigation measures to eliminate or reduce the potentially significant effects. The IS also examines the Proposed Project's consistency with applicable zoning, plans, and policies. Furthermore, the preparers of the Initial Study are identified.

1.3 ORGANIZATION OF THE MND/IS

The content and format of this report are designed to meet the requirements of CEQA and the CEQA Guidelines. The IS supports the finding that the Proposed Project, as mitigated, would have no significant environmental impact, thus preparation of an MND is appropriate for the Project. This report contains the following sections:

- **Section 1: Introduction** identifies the purpose and scope of the MND/IS and the terminology used in this document.
- **Section 2: Environmental Setting** describes the existing conditions, surrounding land use, general plan, and zoning in the area.
- **Section 3: Project Setting** identifies the location, background, and planning objectives of the Proposed Project and describes it in detail.

- **Section 4: Environmental Checklist** presents the checklist responses and evaluation for each resource topic.
- **Section 5: Environmental Analysis** includes an analysis for each resource topic and identifies impacts of implementing the Proposed Project. It also identifies mitigation measures, if applicable.
- **Section 6: References** identifies all printed references and individuals cited in this MND/IS.
- **Section 7: List of Preparers** identifies the individuals who prepared this report and their affiliation.

Appendices present data supporting the analysis or contents of this report. These include:

- **Appendix A:** CVMVCD Adulticiding Record 2021: Aerial Applications
- **Appendix B:** Biological Resources Data
- **Appendix C:** Letter correspondence between FAA and CVMVCD, dated June 16, 2021
- **Appendix D:** AB 52 Notification Letters

1.4 PUBLIC AND AGENCY REVIEW OF THE DRAFT MND/IS

The District is providing a 30-day period for review and comment on the Draft Supplemental MND/IS herein and online at <https://www.cvmosquito.org>.

Interested individuals, organizations, trustee and responsible agencies, and other agencies can provide written comments to the address below.

Coachella Valley Mosquito & Vector Control District
43-420 Trader Place
Indio, CA 92201

Contact: Jennifer Henke, Laboratory Manager
E-mail: jhenke@cvmosquito.org

Please include “Integrated Vector Management Program” in the subject line. Comments should include the name of a contact person within the commenting agency.

Upon completion of the public and agency review-period, the District will evaluate the comments on environmental issues received and prepare written responses that will be considered for adoption by the District Board of Trustees.

2.0 ENVIRONMENTAL SETTING

The Coachella Mosquito and Vector Control District (District) is a special district accountable to the residents of the Coachella Valley, California. Our primary charge is protecting public health within our boundaries through the control of vectors (such as mosquitoes) and vector-borne diseases. The District operates under the California Health and Safety Code, Division 3, Sections 2000-2910 and is governed by an 11-member Board of Trustees.

2.1 PROJECT LOCATION

The District's activities are now conducted within a 2,400 square mile jurisdiction contained within Riverside County, whose border includes Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, Rancho Mirage, and other unincorporated areas.

In addition, the District periodically cooperates with adjoining Mosquito & Vector Control Districts and/or County and State Public Health Departments on activities that cross normal District boundaries. In these situations, the District or Department with jurisdiction over the locations where specific activities are performed has primary responsibility for these activities.

The District's service area includes tribal lands, as well as certain federal and state lands under various jurisdictions including the U.S Department of the Interior (DOI) and Bureau of Land Management (BLM).

The District's boundary and service area are shown in **Figure 2.0-1: CVMVCD Boundary and Service Area**.

2.2 EXISTING CONDITIONS

The eastern portion of Riverside County is bounded by the Colorado River on the east and the Santa Rosa and San Jacinto Mountains on the west. This portion of the county is distinguished from the western portion of the county by its desert terrain and relatively less populated and congested communities.

The vast majority of eastern Riverside County's population is concentrated in the Coachella Valley within the incorporated cities of Desert Hot Springs, Palm Springs, Cathedral City, Rancho Mirage, Indian Wells, Palm Desert, La Quinta, Indio, and Coachella. Many of these communities are noted for their focus on second homes, retirement living, and golf resorts.

The Joshua Tree National Park, known for its rich desert habitat, forms a permanent natural boundary at the northern end of the Coachella Valley. The Whitewater River, a seasonal river which forms in the San Bernardino Mountains, flows through the Coachella Valley and eventually into the Salton Sea at the Valley's southern end.

A rich agricultural economy has developed in the Coachella Valley that contributes to the rural character of eastern Riverside County. A vast expanse of desert wilderness separates the Coachella Valley from the Colorado River. The City of Blythe is located in the Palo Verde Valley along the Colorado River, which provides the source for one of the most productive agricultural regions in the county.

The Coachella Valley area is characterized by a variety of contrasting and dramatic geographic features. Ringed by the rugged San Jacinto, Santa Rosa, and Little San Bernardino Mountains, the Coachella Valley contains a series of low-lying desert flatlands, sloping dunes, and rolling foothills. Cove-like areas line the base of the Santa Rosa Mountains. The Whitewater River runs the length of the Valley.

The Western Coachella Valley is framed by the San Jacinto Mountains and Santa Rosa Mountains National Monument to the west, and Joshua Tree National Park to the north and east.

The western portion of Coachella Valley area is predominantly a desert and mountainous region containing a number of significant natural open space features. The Whitewater River is the primary drainage course in the area, spanning the length of the Coachella Valley. The upper part of the river, in the San Geronio Wilderness, is dry throughout most of its length with the exception of its most westerly end, which quickly percolates into the groundwater basin or is diverted for use. The river is fed by several tributaries, including the San Geronio River, Mission Creek, Little and Big Morongo Creeks, and Box Canyon Wash.

The eastern portion of the Coachella Valley encompasses a variety of artificial and natural environments. It is a stronghold of agricultural production, features a developing County airport, is framed by spectacular mountain ranges, boasts numerous special communities, encompasses large reaches of the Colorado Desert, and is located at the northern end of the State of California's largest inland sea, the Salton Sea.

2.2.1 Salton Trough & Salton Sea

The area west of the All American Canal is contained within the Salton Trough, a small section of the junction between the North American and Pacific tectonic plates. Roughly the northernmost quarter of the Salton Sea is located in the southern portion of the area and forms a good part of Eastern Coachella Valley's southern boundary, flowing into Imperial County to the south. The surface elevation of the sea is 227 feet below mean sea level, and the deepest area of the sea's bed is only 5 feet higher than the lowest point in Death Valley. The sea is home to large bird and fish populations, and is bordered by the Salton Sea State Recreation Area to the east, which provides camping, fishing, hiking, and boating opportunities.

2.2.2 Whitewater River Stormwater Evacuation Channel

The Whitewater River channel runs north to south through the area and empties into the Salton Sea. The Whitewater River is the primary drainage course in the area, spanning the length of the Coachella Valley, and has perennial flow in the north, becoming dry as water percolates the groundwater basin or is diverted for use. The River is fed by several tributaries, including the Box Canyon Wash. The channel also carries stormwater and agricultural runoff and supports some riparian vegetation and marsh habitat at the north end of the Salton Sea.

2.2.3 Agriculture

The majority of the Coachella Valley is within the Salton Trough which surrounds the Salton Sea to the west and stretching north toward the City of Coachella and to the west towards Banning's Pass. This location is devoted to agriculture and plants, including such crops as date palms, grapes, citrus, and seasonal row crops. The eastern portion of the Coachella Valley is one of California's most important agricultural producing areas. The residential uses within the area primarily provide housing for the agricultural workers in the valley.

2.2.4 The Colorado River Aqueduct

The Colorado River Aqueduct was built from 1933-1941 and is owned and operated by the Metropolitan Water District of Southern California. Colorado River water imported via the Aqueduct provides supplemental water to nearly 17 million people in Riverside County and Southern California's coastal plain. The Colorado River Aqueduct, traverses from east to west along the majority of the area, paralleling Interstate 10 north of Dillon Road.

2.3 SURROUNDING LAND USES

The Project Area, which is coterminous with the District's jurisdiction, has a diverse set of land uses and settings. These include urbanized residential, commercial, and industrial development; agricultural fields, both active and fallow; duck club properties; and a small area of marsh land on the northern end of the Salton Sea. The majority of the lands within the District's Service Area is developed or otherwise disturbed by human activity.

Because of the diversity of vector habitat, vector control activities are conducted in a wide variety of ecosystems and habitat types throughout the Project area. Mosquito control activities are associated with wet areas of all types and sizes. This includes marshes, ponds, creeks, manmade wetlands, ditches, ornamental fishponds, impound areas, etc., as well as individual homes or commercial buildings. Other vectors, such as eye gnats, inhabit an even wider range of natural and artificial habitats.

The District does not conduct routine control activities within 18 designated Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP) conservation areas as shown on **Figure 2.0-2: Land Ownership and Jurisdictions in the CVMVCD Service Area**. The District conducts surveillance and control measures within the Coachella Valley Storm water Channel and Delta, and small residential communities found within the Thousand Palms and West Deception Conservation areas.

The District's activities under the IVMP are consistent with the Riverside County General Plan Conservation Element,¹ the CVMSHCP,^{2 3} California and Federal Endangered Species Acts,⁴ and the General Plans in the cities in the District's Service Area. District staff coordinate and consult with other responsible agencies, including the California Department of Public Health, the California Department of Fish and Wildlife, and the Bureau of Land Management to ensure that Service Area activities do not result in significant impacts to biological resources.

The following is a description of the geographically unique areas found in the Coachella Valley.

2.3.1 Coachella Valley Preserve/Thousand Palms Canyon and Oasis

Located 10 miles east of Palm Springs and north of Interstate 10, the Coachella Valley Preserve encompasses approximately 20,000 acres. It contains the last undisturbed watershed in the Coachella Valley and the sources of water-carried and wind-borne sand that create the dune habitat of the Coachella Valley Fringe-toed Lizard. The Preserve straddles the Indio Hills and the San Andreas Fault. The floor of the Preserve is composed of alluvial fans and isolated terraces of desert pavement dissected by wash areas in the north, along with extensive sand fields and dunes. The persistent northwesterly winds in the Coachella Valley move the finer particles and sands from the alluvial fans south of the Indio Hills into the ever-changing sand dunes.

-
- 1 Riverside County, Riverside General Plan 2025, Conservation and OpenSpace Element, Amended November 2012
 - 2 Coachella Valley Association of Governments, Coachella Valley Multiple Species Habitat Conservation Plan, The Plan received its California state permit in September 2008 and its federal permit in October 2008. A Major Amendment was completed in August 2016.
 - 3 United States. The Endangered Species Act as Amended by Public Law 97-304 (the Endangered Species Act Amendments of 1982). Washington: U.S. G.P.O., 1983.
 - 4 California Fish and Game Code, Section 2050, California Endangered Species Act.

The Coachella Valley contains several unique and rare habitat types. One of these, palm oasis woodland, is found in numerous groves within the Preserve and is sustained primarily by water made available through faulting and fracturing of underlying bedrock material. Water flowing underground from a higher elevation is stopped by an intersecting fault block and rises to ground level, creating a unique aquatic environment.

Another type of habitat located in this preserve, blowsand fields, is created by a combination of surface water and wind transport processes. The sand fields are dependent upon the periodic flooding that funnels sand originating in the northern half of the watershed through Thousand Palms Canyon. Sandy wash, rocky slopes, alluvial plains, and other habitats are also protected in the Coachella Valley Preserve.

Wildlife in the Coachella Valley Preserve is varied and abundant. About 180 animal species inhabit the Preserve, including a large population of resident and migratory birds. There are five rare animals occurring in the Valley. One species, the Coachella Valley Fringe-toed Lizard, is a threatened species inhabiting the blowsand fields.

2.3.2 Dos Palmas Preserve

The Dos Palmas Preserve is located east of the Salton Sea Recreation Area and, together with the Salt Creek Area of Critical Environmental Concern, encompasses over 20,000 acres. The Preserve is managed by the BLM. Management and ownership of the Salt Creek Area of Critical Environmental Concern is shared with the Center for Natural Land Management, the California Department of Fish and Wildlife, (CDFW) and the California Department of Parks and Recreation (CPDR).

2.3.3 Willow Hole Preserve

Located north of Cathedral City at the west end of the Indio Hills, the Willow Hole Preserve provides critical blowsand habitat for the Coachella Valley Fringe-toed Lizard and various sensitive species. Other biological resource values include mesquite hummocks and a fan palm oasis.

2.3.4 Indio Hills

With a maximum elevation of 1,740 feet, the Indio Hills are located in the east-central portion of the Coachella Valley and is the largest unit of hills within the Valley area. The hills are bordered on the southwest by the San Andreas Fault and are divided in their central portion by Thousand Palms Canyon. The hills serve as a significant sand source for the Coachella Valley Fringe-toed Lizard Preserve dunes.

2.3.5 Indian Canyons Heritage Park

Located at the junction of the Palm, Andreas, and Murray Canyons on the Agua Caliente Indian Reservation, the Indian Canyons Heritage Park features extensive native fan palm oases and the historic Cahuilla Village which contains a great variety of plant and animal species.

2.3.6 Lake Cahuilla

Located in the City of La Quinta, the 135-acre Lake Cahuilla and the surrounding 710-acre, Riverside County operated recreation area is a valuable scenic and recreational asset for Western Coachella Valley, providing opportunities for sightseeing, fishing, swimming, hiking, and camping.

2.3.7 Whitewater River Floodplain Preserve

The Whitewater River Floodplain Preserve is located south of Interstate 10 and east of Indian Avenue and consists of 1,230 acres of BLM and Coachella Valley Water District (CVWD) land. One of the primary purposes of the preserve is to protect and enhance the habitat of the endangered Coachella Valley Fringe-toed Lizard.

2.3.8 Joshua Tree National Park

Joshua Tree National Park is an American national park in southeastern California, east of San Bernardino and Los Angeles and north of Palm Springs. It is named after the Joshua trees (*Yucca brevifolia*) native to the Mojave Desert. Originally declared a national monument in 1936, Joshua Tree was redesignated as a national park in 1994 when the U.S. Congress passed the California Desert Protection Act. Encompassing a total of 795,156 acres (1,242.4 sq. mi.) – the park includes 429,690 acres (671.4 sq. mi.) of designated wilderness. Straddling San Bernardino and Riverside Counties, the park includes parts of two deserts, each an ecosystem whose characteristics are determined primarily by elevation: the higher Mojave Desert and the lower Colorado Desert. The Little San Bernardino Mountains traverse the southwest edge of the park.

2.4 GENERAL PLAN AND EXISTING ZONING

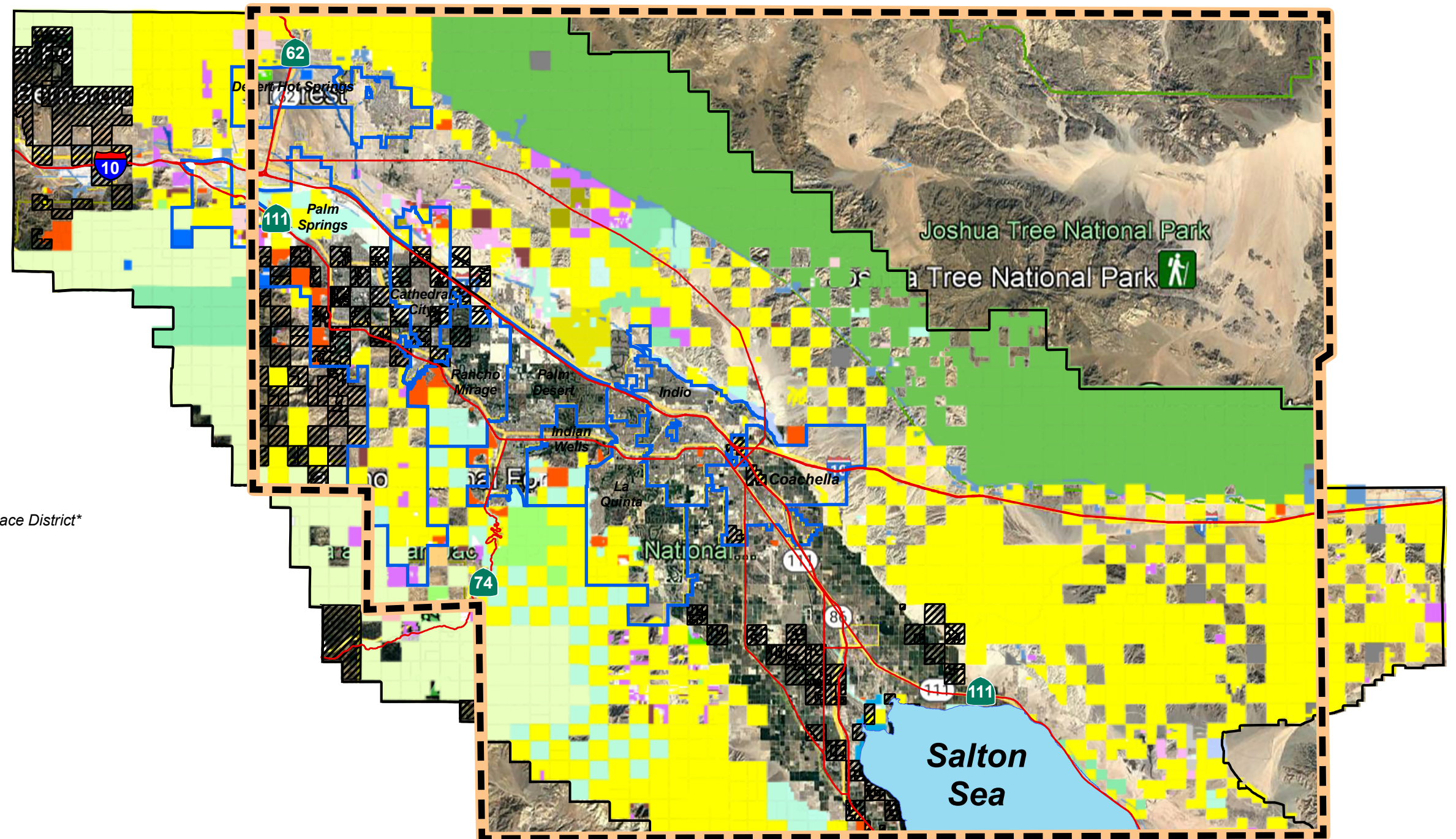
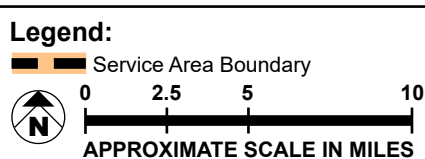
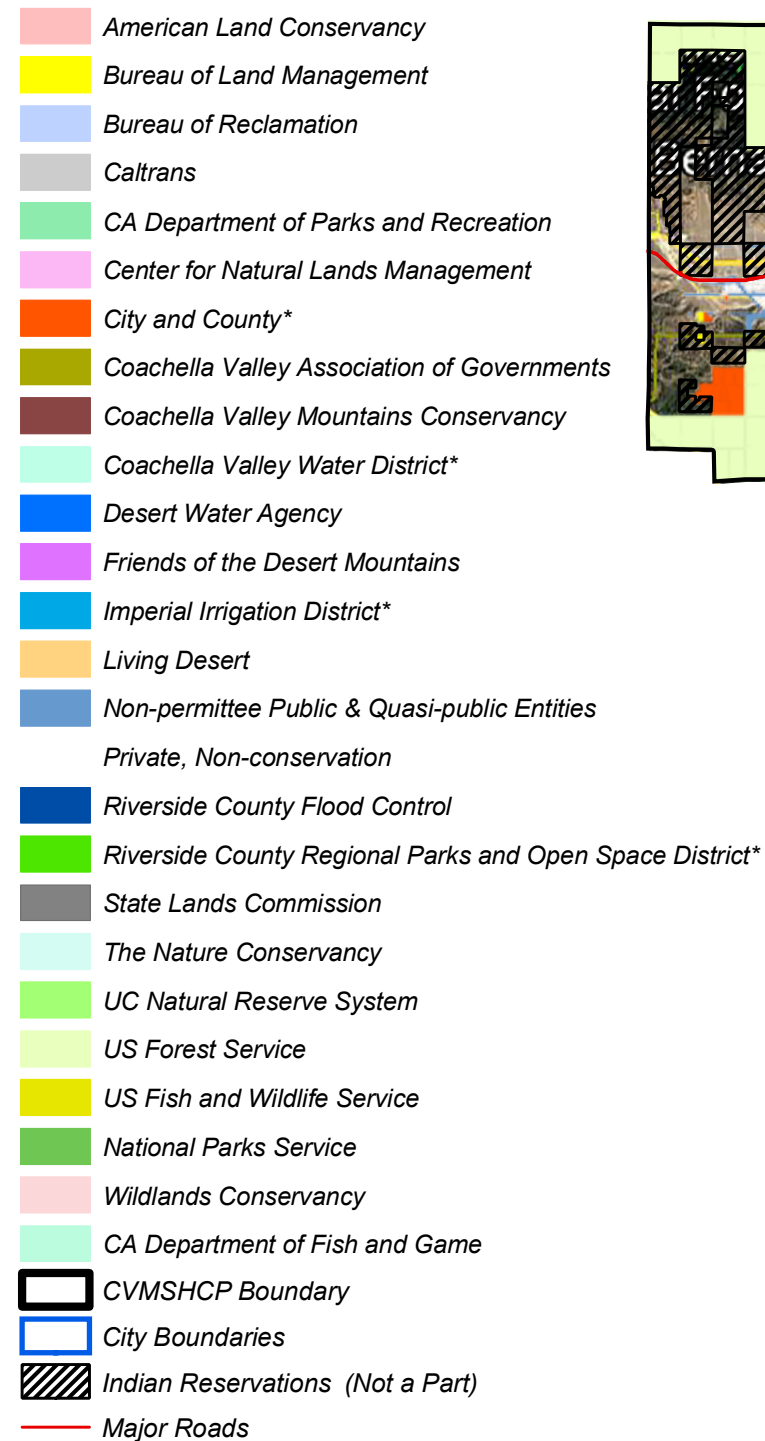
The Coachella Valley encompasses the area surrounding the cities of Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, Rancho Mirage, and unincorporated Riverside County. These nine cities total more than 270 square miles. Land use and development within each city are governed by their respective general plans and zoning. Land ownership and jurisdictions are shown in **Figure 2.0-2**.

Tribal lands are subject to the jurisdiction of the local tribal authority and their land use designations. This includes the Augustine Band of Cahuilla Indians, Agua Caliente Band of Cahuilla Indians, Cabazon Band of

Mission Indians, Torres-Martinez Desert Cahuilla Indians, and the Twenty-nine Palms Band of Mission Indians.

Federal lands located within the District's service area are primarily under the control of the U.S. Department of the BLM. Management and ownership of the Salt Creek Area of Critical Environmental Concern is shared with the Center for Natural Land Management, CDFW, and CPDR.

Land Ownership - November 2006



SOURCE: CVAG, Coachella Valley MSHCP, Figure 2-1, 2006; Google Earth - 2022

FIGURE 2.0-2

3.0 PROJECT DESCRIPTION

3.1 OVERVIEW

The District's mission is to protect the public health by using a scientifically-driven Integrated Vector Management Program (IVMP). The IVMP is a rational decision-making process which seeks to improve the efficacy, cost-effectiveness, ecological soundness, and sustainability of disease-vector control. Besides being nuisances by disrupting human activities and the use and enjoyment of public and private areas, certain animals may transmit a number of diseases. The ultimate goal of the IVMP is to prevent the transmission of vector-borne diseases.

Components of IVMP include:

- Surveillance and Quality Control
- Physical Control
- Biological Control
- Microbial & Chemical Control
- Public Outreach

3.2. DESCRIPTION OF PROPOSED PROJECT

Activities under the current IVMP are now conducted within a 2,400 square mile jurisdiction contained within portions of eastern Riverside County and the greater Coachella Valley. The District exists to reduce the risk of vector-borne disease or discomfort to the residents of its Service Area.

In 2011, the diseases of most concern in the Project Area include West Nile virus (WNV), western equine encephalomyelitis (WEE), St. Louis encephalitis (SLE), which are transmitted by mosquitoes. At higher elevations, hantavirus pulmonary syndrome is associated with wild rodents.

The IVMP consists of the following types of activities within the District's Service Area:

- Surveillance** - for vector populations, vector habitats, disease pathogens, and public distress associated with vectors. This includes trapping and laboratory analysis of vectors to evaluate populations and disease threats, direct visual inspection of known or suspected vector habitats, the use of all-terrain vehicles to access areas where vectors occur, maintenance of paths, and public surveys.
- Public Education** - to encourage and assist in the reduction or prevention of vector habitats on private and public property.
- Biological Control** - Application and introduction of the "mosquitofish" *Gambusia affinis*, the

bacteria *Lysinibacillus (Bacillus) sphaericus*, and *Bacillus thuringiensis israelensis*, and possibly use of other predators or pathogens of mosquitoes.

- iv. **Physical Control** - Elimination or alteration of artificial vector producing habitats (when permissible) in suburban areas to prevent vector production and/or harborage.
- v. **Chemical Control** - Application of non-persistent selective insecticides to reduce populations of larval or adult vectors.

Descriptions of these activities, including their typical annual frequency, intensity, and general District policies and procedures, are done to ensure that they result in no significant environmental impact, all of which are provided below.

3.2.1 VECTOR TYPES

The California Health and Safety Code⁵ defines a vector as “any animal capable of transmitting the causative agent of human disease or capable of producing human discomfort or injury, including, but not limited to, mosquitoes, flies, other insects, ticks, mites, and rats, but not including any domesticated animal.” The District undertakes activities through its Integrated Vector Management Program to control the following vectors of disease and/or discomfort in the District’s Service Area.

Mosquitoes

Thirteen species of mosquitoes frequently occur within the Coachella Valley. The reader is referred to the publications by Bohart and Washino,⁶ and Meyer and Durso,⁷ for detailed information concerning the biology, ecology, and diseases vectored by these mosquitoes.

Certain species of mosquitoes found in the District’s Service Area (See **Figure 3.2-1: Known Mosquito Locations**) can transmit West Nile virus, St. Louis encephalitis virus, western equine encephalomyelitis virus, and potentially other viruses or pathogens. Although some species of mosquitoes have not been shown to transmit disease, most species can cause human discomfort when the female mosquito bites to obtain blood. Reactions range from irritation in the area of the bite to severe allergic reactions or secondary infections resulting from scratching the irritated area. Additionally, an abundance of

5 State of California, Health and Safety Code (HSC) Division 3, Pest Abatement, Chapter 1. Mosquito Abatement and Vector Control Districts, Section 2002. (k) “Vector” means any animal capable of transmitting the causative agent of human disease or capable of producing human discomfort or injury, including, but not limited to, mosquitoes, flies, mites, ticks, other arthropods, and rodents and other vertebrates.

6 Mosquitoes of California, R. K. Washino and R. M. Bohart, 1978.

7 Identification of the Mosquitoes of California, Richard P. Meyer, Stephen L. Durso, California Mosquito and Vector Control Association, 1998.

mosquitoes can cause economic losses, and loss of use or enjoyment of recreational, agricultural, or industrial areas.

Africanized Honeybees

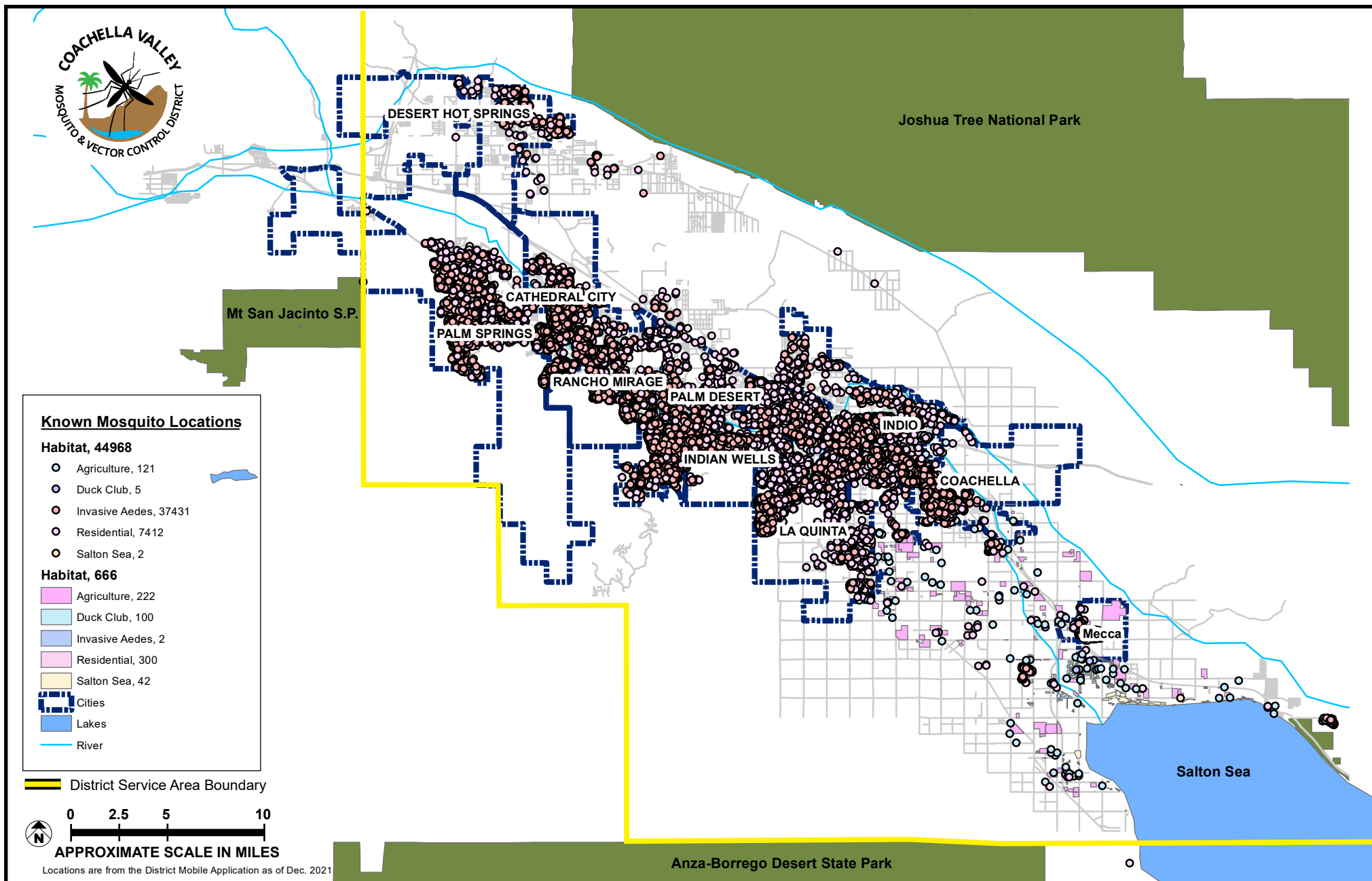
Africanized honeybees (AHB) were first detected in 1994 in the Coachella Valley. AHB are not known to be disease vectors and are no more venomous than European honeybees (EHB). However, AHB respond to threats more rapidly than EHB and will defend their hive with greater numbers of bees, resulting in a massive number of stings to an individual.

Although individuals have died as a result of 100 - 300 stings, it is estimated that the average lethal dose of venom for an adult human is 1,100 bee stings; for a child or pet it can be substantially less. Bee stings, like yellow jacket stings, can result in anaphylactic shock and death within 15 to 30 minutes for the approximately 0.5% of the public with severe allergies. The District currently conducts bee removal for public property and provides education for bee removal and prevention on private property.

Other Vectors of Importance

Although certain animal species such as rodents, fleas and ticks will not be regularly controlled, these animals play important roles in the transmission of human diseases, such as Hantavirus, and are surveyed for the presence within the Project Area. The District routinely provides education and consulting services to the public about disease risk associated with these vectors, as well as appropriate measures to protect human health.

Most of the vectors mentioned above are extremely mobile and cause the greatest hazard or discomfort away from their breeding site. Each of these potential vectors has a unique life cycle and most of them occupy different habitats. In order to effectively control these vectors, an integrated vector management program must be employed. District policy is to identify those species that are currently vectors, to recommend techniques for their prevention and control, and to anticipate and minimize any new interactions between vectors and humans.



SOURCE: CVMVCD 2021

FIGURE 3.2-1

Red Imported Fire Ants

The Red Imported Fire Ant (*Solenopsis invicta*)(RIFA) is one of over 270 ant species in California, and one of the dozen that are considered to be pests. A native to South America, RIFA has become a pest in the southern United States and is present in the Coachella Valley (See **Figure 3.2-2: Known Red Imported Fire Ant (RIFA) Locations**). RIFA are known to have a strong, painful, and persistent sting that often leaves a pustule on the skin.

A person typically encounters them by inadvertently stepping into one of their mounds, which causes the ants to swarm up and attack in large numbers. RIFA respond to the pheromones (chemical secreted by ants that influence the behavior of other members of the same species) that are released by the first ant to attack. The ant stings can even inflict death on smaller animals by overloading their immune system, as well as anyone allergic to their sting.

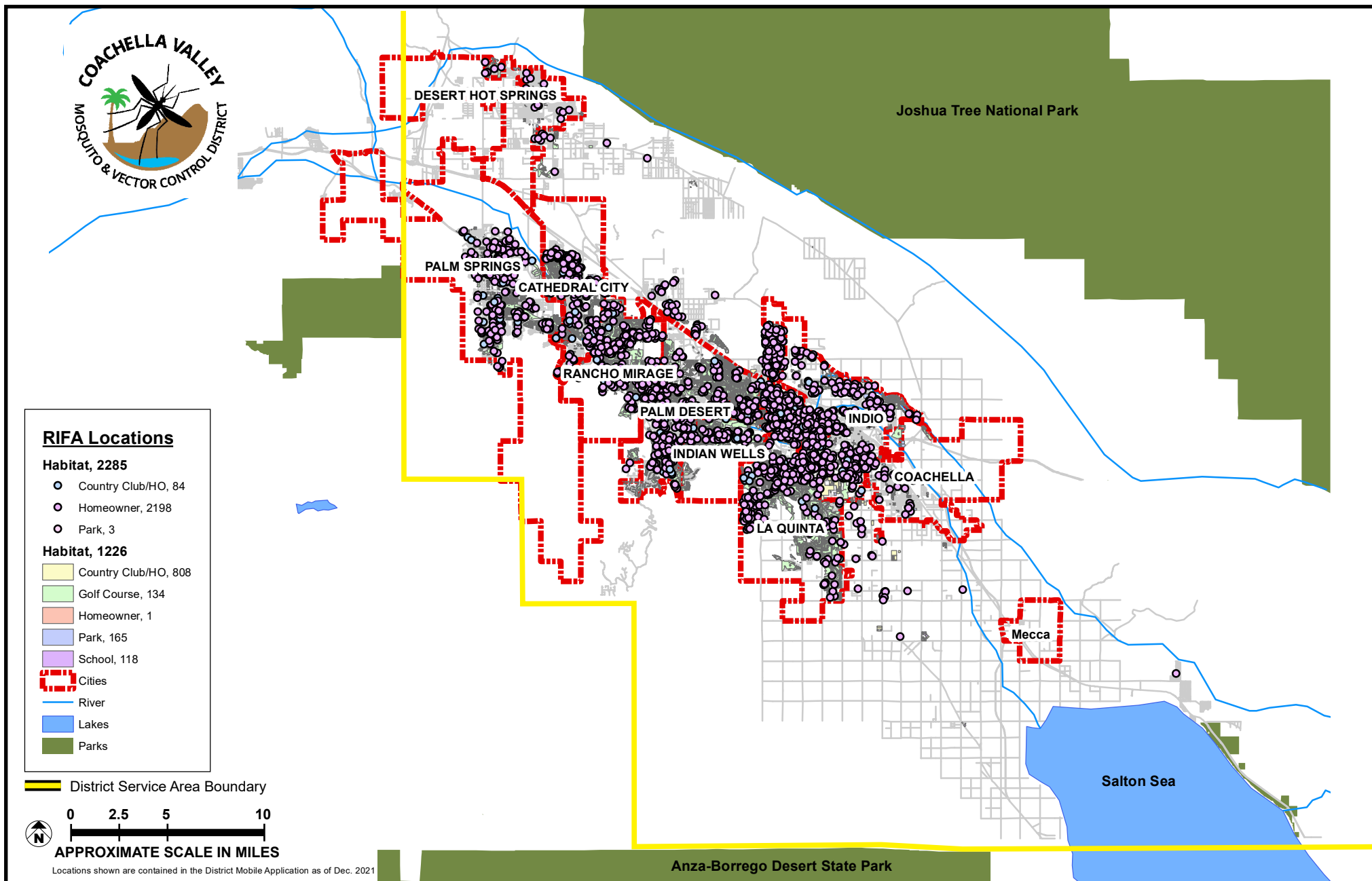
Red Imported Fire Ants are not considered to be a vector of any disease; however, their stings are of an important public health concern. Home invasions can threaten small children, the elderly, and pets. Stings may produce a range of reactions from localized pain and swelling to anaphylactic shock.

RIFA respond rapidly and aggressively to any disturbance to the colony or to a food source. A single fire ant can sting repeatedly and will continue to do so even after their venom sac has been depleted. Initially, the stings result in a localized intense burning sensation followed by the formation of a white pustule at the sting site within 24-48 hours.

Eye Gnats

Adult eye gnats are non-biting insects, but their persistent buzzing around the head and eyes classifies them as a nuisance. Female eye gnats need proteins to develop eggs, and so are attracted to exposed mucus in the eyes, nose, mouth, and even open wounds. Their labium (lower lip) contains a spine that can introduce pathogenic organisms which spread diseases known as “pink eye” (conjunctivitis). Adults are about 1/16 inch in length, shiny black to a dull gray color with yellow or orange markings on the legs.

Two population peaks normally occur in late spring and in late summer or early fall. Daily activity peaks occur at sunrise and sunset during hot, dry weather, although eye gnats may occur in deep shade or on cloudy days. At night they rest at ground level or low shrubbery. Ideal temperature for activity is 90 to 100 degrees Fahrenheit (F), preferring higher temperatures as humidity rises. Their activities slow and reproductions ceases below 70 degrees F.



SOURCE: CVMVCD 2021

FIGURE 3.2-2

3.2.2 GENERAL VECTOR MANAGEMENT STRATEGY

The Project addresses vector management through a general strategy including identification of vector problems, responsive actions to control existing populations of vectors, prevention of new sources from developments through public education, and other strategies on measures to minimize vector production or interaction with vectors. Lastly, the project addresses the provision and administration of funding and institutional support necessary to accomplish these goals.

In order to accomplish effective and environmentally-sound vector management, the manipulation and control of vectors must be based on careful surveillance of their abundance, habitat (potential abundance), pathogen load, and/or potential contact with people; the establishment of treatment criteria; and appropriate selection from a wide range of control methods. This dynamic combination of surveillance, treatment criteria, and selection between multiple control activities in coordinated program is generally known as Integrated Pest Management (IPM).^{8 9 10 11 12}

The District's Integrated Vector Management Program (IVMP), like any other IPM program, by definition involves procedures for minimizing potential environmental impacts. The District employs IPM principles by first determining the species and abundance of vectors through evaluation of public service requests and field surveys of immature and adult vector populations. If the populations exceed predetermined criteria, then the employment of the most efficient, effective, and environmentally sensitive means of control will be utilized. For all vector species, public education is an important control strategy, and for some vectors (rodents, ticks), it is the District's only control method. In some situations, the District also uses biological control such as the planting of mosquitofish in ornamental ponds. When these approaches are not effective or are otherwise inappropriate, public health pesticides are used to treat specific vector-producing or harboring areas or vector populations.

Vector control activities are conducted at a wide variety of sites throughout the District's Service Area. These sites can be roughly divided into: (1) those where activities may have an effect on the natural environment either directly or indirectly, and (2) sites where the potential environmental impacts are

8 Glass, E.H., 1975. Integrated Pest Management: Rationale, Potential, Needs and Improvement. Entomol. Soc. Amer. Special Publication, 75-2.

9 Davies, J. E. et al., 1980, Minimizing occupational exposure to pesticides: epidemiological overview. Residue reviews, 75: 7-20.

10 Borror, D. J. et al., An Introduction to the Study of Insects, 1981.

11 Durso SL, editor. 1996. The biology and control of mosquitoes in California. Mosquito and vector control association of California. Elk Grove, California. 150 p.

12 Robinson, William, Urban Entomology Insect and Mite Pests in the Human Environment, 1996.

negligible (“Non-Environmental Sites”). Examples of “Environmental Sites” in the Service Area include marshes, diked marshes, ponds within duck clubs, storm water detention basins, flood control channels, street drains and gutters, wash drains, or roadside ditches. Examples of “Non-Environmental Sites” include animal troughs, artificial containers, tire piles, fountains, ornamental fishponds, swimming pools, animal waste detention ponds, and non-natural harborage (such as wood piles, residential and commercial landscape, trash receptacles, etc.).

The IVMP employs principles for mosquito control apply similarly to other vectors or pest species, including assessing threat to surrounding organisms, proximity to populated regions, pesticide use in strict accordance with label requirements, eradication of breeding sources to prevent future re-infestation, educating the general public on preventative measures to prevent future colonization, and administration of funding and institutional support necessary to accomplish these goals.

The intensity of biological or chemical control activities in the Service Area, in general or in any particular vector source, varies annually and seasonally because of weather conditions, size, and distribution of vector populations, disease patterns, known or potential pesticide resistance, and in response to other variables. Therefore, the level of activity discussed in the sections below are illustrative of typical District activities levels, but they will vary based on seasonal conditions in the future.

3.2.3 CEQA-EXEMPT DISTRICT ACTIVITIES

All activities under the IVMP have been evaluated in the District’s CEQA 2011 MND. In the 2011 MND, the District concluded that most activities conducted by the District are statutorily or categorically exempt from further CEQA review. It was also determined that some specific activities within the District’s Integrated Vector Management Program might exceed the scope of the exemptions to CEQA, or might trigger one or more of the exceptions to the exemptions, primarily because of their potential impacts on endangered species or in critical habitats. Therefore, the District completed an MND (2011 MND) and accompanying Initial Study Checklist. The entire IVMP was evaluated, with the exception of the Education activities that are clearly exempt from further CEQA review.

In the event of emergency conditions (actual or imminent disease outbreak), District actions are also exempt from CEQA. It should be noted, however, that reasonably foreseeable actions in the event of emergencies vary from the routine operational actions of the District only in scope or intensity, and as such are not expected to result in any significant environmental impact.

3.2.4 IVMP PROGRAMS AND ACTIVITIES

Surveillance

The District's responsibility to protect public health involves monitoring the distribution and abundance of vectors, vector habitat, presence and level of transmission of important human or vector-borne pathogens, and interactions between vectors and people over time and space. Collectively, these monitoring activities are termed Vector Surveillance.

Vector Surveillance provides the District with valuable information on what vector species are present or likely to occur, when they occur, where they occur, how many there are, and if they are carrying disease or otherwise affecting humans. Vector surveillance is critical to an Integrated Vector Management Program because the information it provides is evaluated against treatment criteria to decide when and where to institute control measures. Equally important is the use of vector surveillance in evaluating the efficacy, cost effectiveness, and environmental impacts of specific control actions.

The District routinely uses a variety of traps for surveillance of adult mosquitoes, conducts regular field investigations of known mosquito sources to determine the presence and abundance of different mosquito larvae, tests mosquito samples and dead birds for arbovirus,¹³ and responds to public service requests for control and abatement of mosquitoes and other vectors. The District uses low ground pressure all-terrain vehicles to access some of these sites.

The number of nights the District trapped for adult mosquitoes and the number of trap-nights is described below, where a trap-night is one night for which a trap is set (for example, four traps set for three nights equals 12 trap-nights). Numbers will be specific to *Culex* mosquitoes and to invasive *Aedes* mosquitoes, as they vector different diseases and require different control strategies.

In 2021, the District trapped on 125 nights for *Culex* surveillance a total of 3,448 trap nights where a trap night is one night for which a trap is set (for example, four traps set for three nights equals 12 trap nights). Additional surveillance for *Aedes* was performed on 143 nights for a total of 3,165 trap-nights.¹⁴ This resulted in a combined total of 144 nights of trapping (CO₂, gravid, and BG-Sentinel traps) for 6,613 total trap nights. This is approximately the same as 2020 (6,477 traps for 138 nights for 6,477 trap-nights). The District also made 54,294 inspections for larval mosquitoes in 2021.

13 Arbovirus is a conventional term used to refer to Arthropod-Borne Viruses (Reisen et al 1995).

14 CVMVCD, CVMVCD's EPA Pesticide Environmental Stewardship Program Report for 2021, March 8, 2022.

The movement of All Terrain Vehicles (ATVs) are guided by the ground crew to avoid any damage to wildlife, if present. The use of ATVs by the District is limited to activities to agricultural areas such as irrigated date gardens. In the spring months on the west side of the Salton Sea, use of ATV's is limited to existing dirt roads in the flooded areas of fishery ponds. District staff use existing dirt roads around fish farm ponds and enter only those open areas under the salt grass in the vicinity of the fish farm ponds. In the fall months, the use of ATVs is limited to sites such as duck club ponds that are man-made.

In 2021, the District used ATVs forty-three times during bird breeding season (March through June) near the shoreline to examine the need for an aerial application and to make applications in response to West Nile virus positive samples. Use was restricted, and staff watched for signs of wildlife. Otherwise, ATV use in the spring and early summer was restricted to agricultural fields. ATVs were used in the duck clubs during the late summer, fall, and winter. Eighteen employees were trained September 30, 2021, which is the annual training in preparation for increased used in duck hunting club and shoreline habitats.

The District's vector and disease surveillance activities are conducted in compliance with accepted Federal and State guidelines, and discussed by numerous researchers.^{15 16 17} These guidelines recognize that local conditions vary, and are thus flexible in the selection and specific application of methods.

The District has developed and adopted a modified version of the California Mosquito-borne Virus Surveillance and Response Plan.¹⁸ This document outlines the District's mosquito surveillance, control objectives, and outlines several models used to predict the risk of mosquito-borne disease epidemics, as well as establishes standard public outreach, surveillance, and mosquito control measures based on the level of estimated risk.

Specific methods used by the District include: physical control, biological control, public education, and working with both government and private property owners to find long-term water management strategies that meet their needs while minimizing the need for public health pesticide applications.

The District continually collects adult and larval mosquito surveillance data and disease surveillance data by testing a certain number of mosquito samples and dead bird test results. The District then uses them

15 Moore, C. G., R. G. McLean, C. J. Mitchell, R. S. Nasci, T. F. Tsai, C. H. Calisher, A. A. Marfin, P. S. Moore, and D. J. Gubler. 1993. Guidelines for arbovirus surveillance programs in the United States. U.S. Department of Health and Human Services, Washington, DC.

16 Durso, S. L., Ed. (1996). The Biology and Control of Mosquitoes in California. Elk Grove, California, Mosquito and Vector Control Association of California.

17 Reisen, W. K., V. L. Kramer, et al. (1995). Interagency Guidelines for the Surveillance and Control of Selected Vector Borne Pathogens in California. Elk Grove, California, Mosquito and Vector Control Association of California.

18 CVMVCD Mosquito-borne Virus Surveillance and Response Plan. 2022.

to guide mosquito control activities. The District has implemented GIS software that allows for mapping and modeling vector related issues, including tracking mosquito breeding sources under control efforts and frequency and amounts of control products usage.

The District's specific activities and their potential environmental impacts are described below.

Biological Controls

Biological control is the intentional use of pathogens, parasites, or predators to reduce the size of target populations to tolerable levels. Biological control represents one of the principal components of biorational control in mosquito control integrated pest management.

Mosquitofish, *Gambusia affinis*, are the most commonly used biological control agent for mosquitoes in the world. Correct use of this fish can provide safe, effective, and persistent suppression of a variety of mosquito species in many types of mosquito sources.

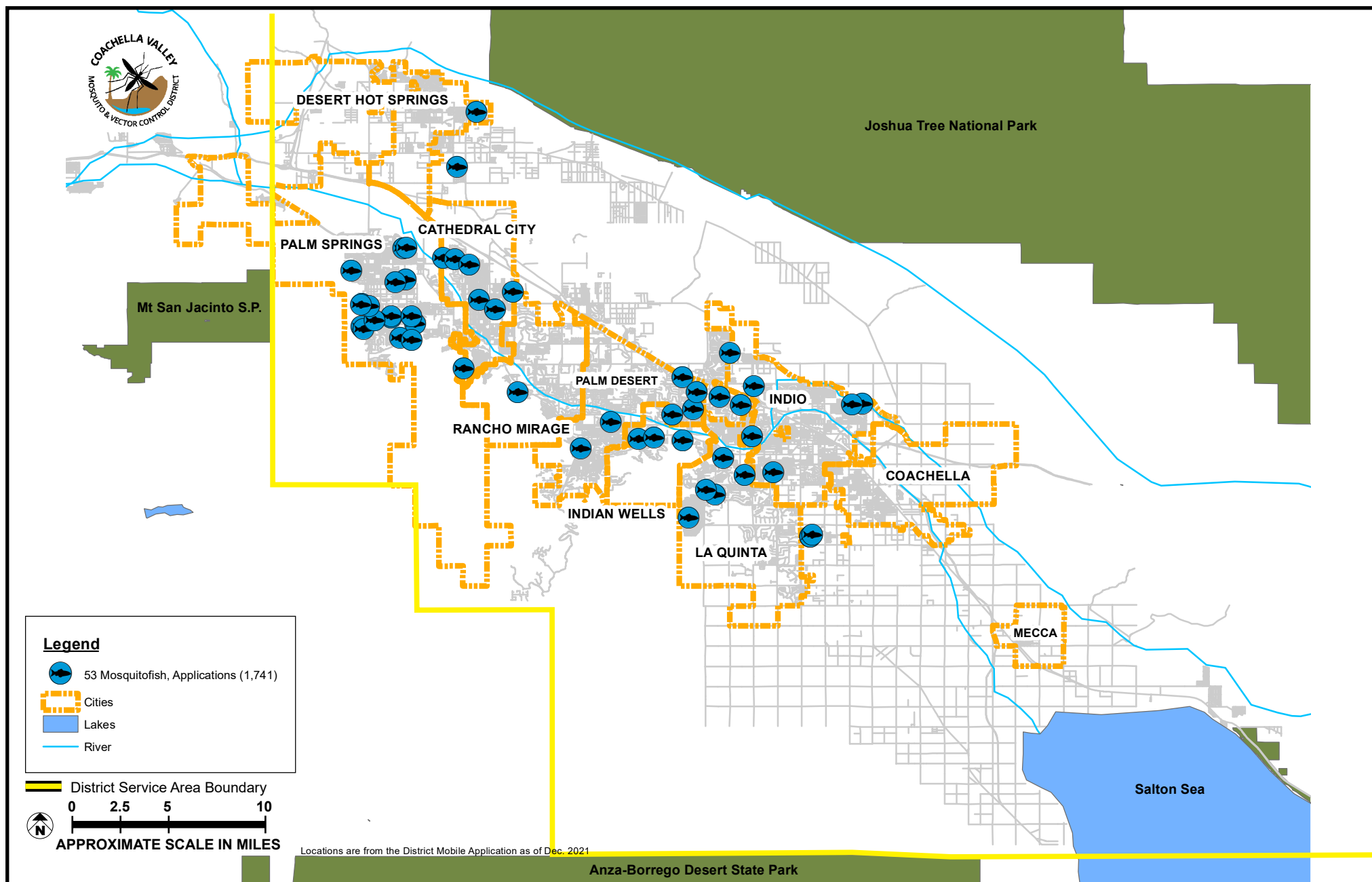
The District uses mosquitofish (*Gambusia affinis*) in artificial habitats, neglected pools, ornamental fishponds and other habitats as allowed by regulation as a biological control of mosquitoes through direct predation of larvae (See **Figure 3.2-3: Mosquitofish Use in 2021**). In 2021, mosquitofish were stocked in neglected swimming pools, ornamental ponds, and water troughs. In 2021, the District stocked 2,231 mosquitofish (a 16 percent decrease; in 2020, 2,586 mosquitofish were stocked).

The District did maintain a California Department Fish and Wildlife (CDFW) Permit for mosquitofish stocking. When applying to the California Department of Fish and Wildlife for a permit for 2012, the District was informed that a permit was not needed to stock private water per the Code that states:¹⁹

- (f) Except for Inyo, Mono, San Bernardino, Riverside and Imperial counties, mosquitofish (*Gambusia affinis*) may be planted for purposes of mosquito control without obtaining a permit otherwise required by these regulations. In Inyo and Mono counties and in public waters of San Bernardino, Riverside and Imperial counties, mosquitofish may not be planted without the written concurrence of the department.

No work was conducted requiring an MOU from the Bureau of Land Management.

19 California Code of Regulations, Title 14, Section 238.5 (f), Stocking of Aquaculture Products.



SOURCE: CVMVCD 2021

FIGURE 3.2-3

The District does not plant mosquitofish in the following Desert Pupfish refugia ponds:

1. McCallum/Simone pond and Visitor center pond or any water course at the Thousand Palms Preserve, along Thousand Palms Canyon Drive.
2. The Seep pond, the Oasis pond or the Cienega (Sonoran) pond located at the Living Desert Zoological Gardens.
3. The small pond behind the Salton Sea State Park Headquarters.
4. Any pond or watercourse located at the Dos Palmas Preserve.

As with all safe and effective control agents, the use of mosquitofish requires a good knowledge of operational techniques and ecological implications, careful evaluation of stocking sites, use of appropriate stocking methods, and regular monitoring of stocked fish. The District uses mosquitofish in accordance with CDFW regulations on private property to control mosquitoes.

The principal habitat characteristic that affects the successful use of mosquitofish is its relative stability. Mosquitofish usually are not effective in intermittently flooded areas unless a refuge impoundment is provided. Because of this, mosquitofish are more effective against mosquito breeding in permanent and semi-permanent water, such as *Culex* spp., *Anopheles* spp., and *Culiseta* spp., than against floodwater species, like *Aedes* spp. and *Psorophora* spp.

Fire ant biological control agents were released in 2014 and 2015 at three locations within the Coachella Valley. The microsporidian fire ant pathogen, *Kneallhazia solenopsae*, has established at one location and seems to have established naturally in a second. Two species of fire ant decapitating flies, *Pseudacteon curvatus* and *Pseudacteon obtusus*, were released and have been collected with the latter being more abundant. All flies have been collected near the release site in the City of Palm Desert with the exception of one sample of *P. obtusus* trapped west of releases indicating the flies were starting to spread. A fire ant specific virus, SINV-3, has also been able to establish at two locations. This work has been completed with the USDA and is monitored routinely.

Chemical Control (Pesticide Applications)

As part of the District's IVMP, surveillance is a key component that drives the use of pesticides in appropriate doses and locations. Prior to any pesticide application, confirmation is made of the number and species of vector. For mosquito control, surveillance is also conducted for the pathogens which cause disease in the public, e.g., the viruses that cause West Nile Encephalitis, St. Louis Encephalitis, and western equine encephalomyelitis. Detection of high numbers of adult mosquitoes and viruses drives the District Risk Modeling and Operational Strategy, where focused applications of adulticides are made to protect vulnerable members of the public.

When field inspections indicate the presence of vector populations which meet District criteria for chemical control (including abundance, density, species composition, proximity to human settlements, water temperature, and other criteria), District staff apply chemical control, if other options have been exhausted, to the site in strict accordance with the control product label instructions.

The District implemented a Pesticide Application Plan (PAP) in 2011 (revised in 2016).²⁰ The PAP provides a description of all target areas, if different from the water body of the target area, in to which larvicides and adulticides are being planned to be applied or may be applied to control vectors. The description shall include adjacent areas, if different from the water body of the target areas. Larvicide and adulticide applications may occur anywhere in the specified region when deemed necessary by key mosquito and arbovirus surveillance indicators. The main waters of the U.S. that could be impacted by larvicide and adulticide applications include the Whitewater River/Storm Channel, the Salton Sea, and duck clubs which are flooded from October until February.

Deciding to use chemicals to control vectors relies on the analysis of surveillance data and a basic understanding of vectors and vector-borne disease ecology. District staff is routinely trained on the basic principles of the ecology of vectors and the pathogens they transmit. Several standard operating procedures have also been developed and adopted to give guidance in determining when pesticide use is warranted to control local mosquito populations in order to prevent arbovirus transmission.

When mosquito numbers exceed District control thresholds and other control methods would be ineffective, contrary to permits or other environmental protections, or otherwise inappropriate, the District utilizes only those specific insecticides that are registered for use in California and that possess a current EPA label.

Factors that affect the decision to use pesticides for mosquito control include:

- **Abiotic Factors.** Abiotic factors that can influence a decision to use fast acting chemical control include seasonal factors, daily weather patterns, and localized larval and adult habitat conditions. All of these can affect the potential for vector and arbovirus activity, and ultimately affect a technician's decision to use a particular control product.
- **Biotic Factors.** Biotic factors that can influence use of chemical control of mosquitoes include the number of larvae or pupae present in a breeding source, species and stage of mosquito larvae or adults present, presence and level of natural predators in a breeding habitat, level of resistance (if detected), and level of detected arbovirus activity in an area under surveillance for potential chemical control.

²⁰ CVMVCD, Pesticide Application Plan, 2016.

As noted in the 2016 PAP,²¹ **Table 3.2-1: List of Adulticide, Larvicide, Red Imported Fire Ant and Bee Control Products**, identifies the larvicide products that the District uses. The District also uses a fungus *Beauveria bassiana* (In2Mix); in addition, the District could use organophosphates such as malathion (Fyfanon ULV, Fyfanon EW) and naled (Dibrom, Trumpet EC).

TABLE 3.2-1 LIST OF ADULTICIDE, LARVICIDE, RED IMPORTED FIRE ANT AND BEE CONTROL PRODUCTS			
MOSQUITO AND FLY CONTROL - ADULT			
Aqua-Reslin	BVA 13	Demand CS	DeltaGard
Duet	Evergreen (5-25)	In2Mix	Merus 3.0
Onslaught	Quikstrike Fly Bait	Scourge 4+12	Scourge 18+54
Stimukil			
MOSQUITO CONTROL - LARVAL			
Agnique-MMF	Altosid 30-Day Briquets	Altosid Liquid	Altosid Pellets
Altosid P35	Altosid XR	Altosid WSP	Aquabac 200G
Censor	Coco Bear	Duplex G	Masterline Kontrol Mosquito Larvicide
MetaLarv S-PT	MetaLarv XRP	Natular 2EC	Natular G
Natular G30	Natular T30	Natular XRT	Nyguard
Spheratax SPH 50G WSP	VectoBac 12 AS	VectoBac G	VectoBac WDG
VectoLex WDG	VectoLex WSP	VectoMax FG	VectoMax WSP
VectoPrime FG			
RED IMPORTED FIRE ANT CONTROL			
Advion	Distance	Extinguish Plus	Siesta
BEE CONTROL			
	Delta Dust	M-Pede	
<i>Source: CVMVCD, email from Jennifer Henke, Laboratory Manager.</i>			

21 CVMVCD, Pesticide Application Plan, 2016.

The District has established thresholds for both larval and adult mosquito control. These thresholds have been developed through years of surveillance and historical data of arbovirus transmission in mosquito producing habitats in the Coachella Valley.

The District has set standard larval sampling (dipping) protocols for various mosquito breeding habitats found throughout the Coachella Valley. Larval sampling consists of the vector control technician taking a certain number of dips based on the surface area and the type of the breeding source, using the standard 1-pint dipper. Once all dips are taken, the vector control technician determines the average number of mosquito larvae per dip. If the average per dip exceeds one larva per dip, this level of breeding warrants control activity. A portion of the larval samples obtained by dipping surveillance are labeled and taken to the laboratory for verification. At this point, abiotic and biotic factors are taken under consideration, and the proper treatment is determined by the vector control technician in the field. When at all possible, physical (i.e. stagnant water removal) or biological control (i.e. mosquitofish) measures are used. In habitats that are conducive to breeding primary vectors of human health importance, it is necessary for District technicians to use one of the few fast acting, biorational, and highly-specific control products that are registered in California.

The District established adulticiding protocols and five-year thresholds using data from adult mosquito traps deployed throughout the Coachella Valley. These traps and thresholds are used as indicators for when it may be necessary to use adult control measures. When trap numbers of mosquitoes of public health importance (*Culex tarsalis*, *Culex quinquefasciatus*) exceed the five-year threshold for that trap, District staff begins to coordinate the potential use of adulticides to reduce the local adult mosquito population to prevent or reduce arbovirus transmission. In addition, factors such as presence or absence of arbovirus activity, risk assessment level (see discussion below), seasonal weather patterns, and localized resistance are considered carefully when determining if adulticiding measures are justified and will be effective. In every case, the pesticide labeling requirements are strictly adhered to.

The District uses a variety of list of pesticides (both larvicides and adulticides) with active ingredients for larval or adult control. The District utilizes the information provided by the California Department of Public Health (CDPH) in their May 2021 document “California Mosquito-borne Virus Surveillance & Response Plan,”²² however, CDPH highlights that their list is incomplete. Products are used by the District according

²² California Department of Public Health, California Mosquito-borne Virus Surveillance & Response Plan, Appendix I, University of California, May 2021. https://westnile.ca.gov/download.php?download_id=4602.

to label directions and may be applied by ground (hand, truck, ATV, backpack, etc.) or by air (helicopter, fixed wing aircraft, UAS).

In 2021, the District made 227 applications of larval mosquito control products to duck clubs and Salton Sea marshes (44 sites) within the Coachella Valley Storm Larval Control Procedures and the District Recommended Rates. The District made 20 applications of adulticide products by aerial ULV and 3 applications by barrier methods to duck club and Salton Sea marshes to areas within and adjacent to the Coachella Valley Storm Water Channel and Delta. Applications were conducted according to the District's mosquito-borne Surveillance and Emergency Response Plan using the District Recommended Rates. The District made 1 application for red imported fire ant (RIFA) control and 1 application for Aedes mosquito control (with 2 products for the mosquito control), both to separate private residences within a conservation area.

Mosquito Larvicides

Depending on the time of year, water temperature, organic content, mosquito species present, larval density, and other variables, control product applications may be repeated at any site at intervals ranging from weekly to annually. Upon determining that the larval action threshold has been reached, Vector Control Technicians choose from four types of products depending on the time of year, the previous active ingredient used, and knowledge of organic farming requirements. Depending on the amount of organic material at the site and the number of larval mosquitoes found, the rate will be adjusted such that those sites heavily enriched will receive higher doses to ensure that enough active ingredient is available to control the target population.

As part of the IVM strategy, the District attempts to physically remove sources of mosquito breeding. However, when physical control isn't possible or if there is a serious and immediate threat to public health, the District uses pesticides to eliminate the public health threat. This approach poses minimal risk to humans, animals, and the environment.

The U.S. Environmental Protection Agency (USEPA) is responsible under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Food Quality Protection Act (FQPA) for regulating pesticides with public health uses, as well as ensuring that these products do not pose unintended or unreasonable risks to humans, animals, and the environment. For more information, please visit the EPA website.

Larval Mosquitoes

Microbial products

Bacillus thuringiensis israelensis (Bti) and *Lysinibacillus sphaericus* (formerly *Bacillus sphaericus*) are commonly used for larval mosquito control. Both active ingredients must be ingested by the mosquito larva, and proteins cut holes into the gut wall of the larva. The proteins in these bacteria are activated by basic pH, making these strains effective against mosquitoes and black fly larvae but not against non-target organisms.

Insect Growth Regulators

Insect growth regulators are analogues of the insect growth hormone known as juvenile hormone. Methoprene exists in two chimeric rotations, and only the S form is active against mosquitoes. In normal mosquitoes, the level of juvenile hormone drops in third and fourth-instar larvae, allowing for adults to emerge from pupae. By adding methoprene or pyriproxyfen to the water, larval mosquitoes experience developmental delays, often resulting in death of larvae and pupae. Methoprene is known to have activity in many insect species, including true flies, moths and butterflies, and beetles. Pyriproxyfen is used routinely for controlling fleas on pets such as cats and dogs. Both methoprene and pyriproxyfen are absorbed through the exoskeleton, thus the larvae do not need to be actively feeding for the product to work.

Spinosad

Spinosad is derived from a soil bacterium and works on the insect nervous system. It was first formulated for use against insects in 1988, and its activity is dependent on the formulation, with some formulations designed to target mosquitoes. Spinosad primarily works by the mosquitoes ingesting the product, but some may also be absorbed through the exoskeleton. The formulations used by the District are from Clarke, which earned the 2010 U.S. EPA Presidential Green Chemistry Challenge Award for these formulations.

Pupal Mosquitoes

Pupacides

Although the District endeavors to control mosquitoes as larvae, sometimes a source is found to have pupae. When larval sampling indicates that more than half of the larvae in the sample are late fourth instars or pupae, use of a pupacide is appropriate. The District currently uses two active ingredients. Monomolecular films reduce the surface tension of the water, making it difficult for mosquito larvae and pupae to attach and to breathe. Petroleum distillates (oils) have become highly refined to reduce the

amount of active ingredient in them. Oils block the breathing tubes of mosquito larvae and pupae, causing them to suffocate. Because of the impacts on the surface tension and interference with the water's surface, both can have impacts on the adult mosquitoes which rest on the water surface or return to lay eggs. **Table 3.2-2, List of Active ingredient in Permitted Mosquito Larvicide and Adulticide Products**, lists the active ingredients for Larvicide and Adulticide.

In 2021, the District made over 27,850 applications to control larval mosquitoes, which includes treatments as a result of invasive Aedes inspections. The total number of treatments is a 12.3 percent increase in individual treatments. Total acreage treated was approximately 61,730 acres for larval mosquitoes. Product use is shown in **Table 3.2-3: 2021 CVMVCD Mosquito Larvicide Product Use**

TABLE 3.2-2	
List of Active Ingredients in Permitted Mosquito Larvicide and Adulticide Products	
Larvicide Active Ingredient	Adulticide Active Ingredient
Bacillus thuringiensis israelensis (Bti)	Deltamethrin
Bacillus (Lysinibacillus) sphaericus	Esfenvalerate
	Etofenprox
(S) – Methoprene	Lambda-cyhalothrin
Monomolecular Films	Malathion
Petroleum Distillates	Naled
Pyriproxifen	N-octyl bicycloheptene dicarboximide
Spinosad	MGK-264)
Temephos	Piperonyl butoxide (PBO)
	Permethrin
	Prallethrin
	Pyrethrin
	Resmethrin
	Synthetic pyrethroids with synergists
	Sumithrin

Source: CVMVCD, Pesticide Application Plan, 2016, pp. 17-18.

Table 3.2-3: 2021 CVMVCD District Mosquito larvicide Product Use

EPA REGISTRATION		2021 AMOUNT	
Product Name	Number	Used	Percent Change
Product Name	EPA Registration Number	2021 Amount Used	Percent Change
Agnique MMF	53263-28	29.54 gallons	3,111.20%
Altosid Briquets	2724-375	183 briquettes	-68.82%
Altosid Liquid	2724-392	0.82 gallons	-67.07%
Altosid Pellets	2724-448	72.67 pounds	-97.14%
Altosid P35	89459-95	3,336.92 pounds	1,891.84%
Altosid XR Briquets	2724-421	537 briquettes	-2.72%
Aquabac 200G	62637-3	2,153.86 pounds	-63.30%
Censor	8329-80	4,301.16 pounds	7.96%
Duplex G	89459-93	1.65 pounds	New in 2021
FourStar Briquet 180d	83362-3	21 briquettes	-86.36%
In2Mix	91720-1	325 sachets	-9/72%
Kontrol	73748-10	47.30 gallons	185.28%
MetaLarv S-PT	73049-475	392.57 pounds	-65.83%
MetaLarv XRP	73049-475	157 pouches	New in 2021
Natular 2EC	8329-82	4.16 gallons	-74.91%
Natular G	8329-80	404.97 pounds	-72.98%
Natular G30	8329-83	2,476.16 pounds	-16.90%
Natular T30	8329-85	76 tablets	-86.31%
Natular XRT	8329-84	845 tablets	-33.83%
Spheratax WSP	84268-2	12 pouches	-96.99%
SumiLarv 0.5G	1021-2819	33 pounds	3,448.39%
VectoBac 12AS	73049-38	22.44 gallons	-72.80%
VectoBac G	73049-10	5,809.11 pounds	237.93%
VectoBac WDG	73049-56	3,783.47 pounds	-12.12%
VectoLex WDG	73049-57	0.24 pounds	-31.43%
VectoLex WSP	73049-20	0 units	-100.00%
VectoMax FG	73049-429	5,805.04 pounds	365.72%
VectoMax WSP	73049-429	4 pouches	0.00%

Source: CVMVCD <https://www.cvmosquito.org/public-health-pesticides>

Mosquito Adulticides

In addition to chemical control of mosquito larvae, the District also conducts control for adult mosquitoes. These applications are in two general forms: barrier applications and ultra-low-volume (ULV) ground and aerial applications. Specific criteria for application include species composition, mosquito population density (as measured by night trapping or other quantitative method), proximity to human populations and/or human disease risk. As with larvicides, adulticides are applied in strict conformance with label requirements.

Only mosquito population areas that District staff determines to represent imminent threats to public health or quality of life are treated. The presence of any mosquito may necessitate treatment; however, higher thresholds may be applied depending on the District's resources, disease activity, or local needs.

Adulticide treatment thresholds are based on a combination of one or more of the following criteria:

- Adult mosquito species present
- Pest, nuisance, or disease potential
- Disease activity
- Mosquito abundance
- Flight range
- Proximity to populated areas
- Size of area
- Presence/absence of natural enemies or predators
- Presence of sensitive/endangered species or habitats.

Additional criteria for treatment considers the following: the number of days the District staff apply control products for adult mosquito control; for Ultra Low Volume (ULV), the amount of acreage covered and the amount of product used; for barrier applications, the linear feet covered or the acreage covered and the amount of product used; for catch basin adulticiding, the number of control application spots, the number of areas or neighborhoods covered, and the amount of product used.

In 2021, the District made 20 applications of adulticide products by aerial ULV and 10 applications by barrier methods in response to high mosquito collections as well as virus positive samples. In addition, the District used adulticide products 164 days, 14 more days than in 2020. This included the use of 71.2 gallons of Aqua-Reslin, 140 gallons of Duet, and 68.1 gallons of EverGreen 5-25 to cover approximately

40,800 acres on 20 nights using Ultra Low Volume (ULV) methods through helicopter mounted sprayers. The District did not use ULV application methods on truck-mounted sprayers in 2021.

In residential yards, the District used 0.092 gallons of Aqua-Reslin using backpack sprayers for ULV applications for Aedes treatments, down from 0.39 gallons in 2020. Using barrier sprays, the District applied 2.67 gallons of Demand CS to 15.7 acres over 10 days in response to high mosquito collections as well as WNV and SLEV positive samples. The District applied 0.67 gallons of Demand CS to backyards for control of Aedes mosquitoes, a decrease from 1.09 gallons in 2020.

Applications for adult mosquito control also included 6 neighborhoods where catch basins were treated for adults at 20 specific catch basins. Approximately 0.0011 gallons of Aqua-Reslin were used in these treatments.

Red Imported Fire Ants

District staff survey to determine the presence of red imported fire ants and the level of infestation. Surveys are either visual with tapping of suspected areas of fire ant activity or baits using hot dog slices. If red imported fire ants are confirmed, and the infestation is 30 percent or greater (more than 30 percent of the baits or the taps are positive for fire ants), a broadcast application is made. If the infestation is less than 30 percent, mound treatments are made. If the survey indicates that the ants are not red imported fire ants, the vector control technician recommends that the resident or property owner contact a private pest control professional.

Applications are made by hand or by golf cart. Active ingredients used are indoxacarb (Advion); pyriproxyfen (Distance); hydramethylnon and methoprene (Extinguish Plus); and metaflumizone (Siesta). A location can be treated up to 4 times a year.

In 2021, the District made 2,618 applications for red imported fire ants. This included 93 applications were made with Advion, 859 applications were made with Extinguish Plus, and 398 applications were made with Siesta. Applications covered 305,742 acres, and some locations were treated more than once during the year. Ninety-five percent of the District's surveys indicated that fire ants were present at the location.

Other Insecticides

The District's use of control products for the control of stinging insects is currently limited to bees. The District occasionally applies the necessary control products for the non-structural removal of bees only on public property when the swarm or hive poses imminent danger to the public. The District does not

control any bees that are located inside or on a structure. If a technician finds that a beehive is located inside a structure, the resident or owner is recommended to contact a bee removal company certified for structural removal of bees. If a technician elects to treat bees, they will apply an insecticide directly to the bees or bees' hive, in accordance with District policies and label requirements to avoid any drift and harm to non-target organisms.

Pesticides that contain the active ingredient potassium salts of fatty acids (essentially soap), such as M-Pede®, is used to control Africanized Honeybees. Potassium salts of fatty acids are extremely low in toxicity.

The District does make a very small number of applications to control filth flies. These applications are of baits to reduce the fly populations while the District employees work with the property owner or resident to reduce the source of flies.

Application Areas

With any mosquito or other vector source, the District's first goal is to look for ways to eliminate the source, or, if that is not possible, for ways to reduce the vector potential. The most commonly used methods and their limitations are included in the CVMVCD Mosquito Reduction Best Management Practices.

The District applies the appropriate larvicide and/or adulticide to target areas in the Service Area to any site that holds water for more than 96 hours (4 days), which can produce mosquitoes. Source reduction is the District's preferred solution, and whenever possible the District works with State, county, city, and private property owners to effect long-term solutions to reduce or eliminate the need for continued applications.

The typical sources treated by the District which can be classified as waters of the United States (WOTUS) include:²³

- **Freshwater swamps and marshes.** In the Coachella Valley, marshes (primarily duck clubs or managed wetlands) are drained and re-filled once to enhance the primary productivity of the habitat. Under certain circumstances, this can result in large populations of mosquitoes.
- **Whitewater River/Storm Channel.** The Whitewater River transects the entire length of the Coachella Valley. Most of the year, the river is dry and only has significant flow during the few rainstorms experienced during the winter months. Water flow does occur year-round from the city of Indio, east to the Salton Sea, due to the treated sewage water discharge and agricultural runoff. This part of the Whitewater River runs year-round and does not breed mosquitoes. Very

²³ CVMVCD, Pesticide Application Plan, 2016.

few treatments to the Storm Channel occur in the urban, dry sections, where water discharge from local homeowner associations creates stagnant pools that are prone to dense growths of bulrush and cattail.

- **Salt marshes.** In the Coachella Valley, the salt marshes along the Salton Sea can produce large numbers of *Cx. tarsalis* mosquitoes, negatively influencing the health, comfort, and economy of residents and visitors in the area. Natural decrease of the Salton Sea level greatly reduced the *Cx. tarsalis* population in the area, but *Cx. tarsalis* can still rise to significant numbers during the spring and fall posing a serious public health threat.
- **Temporary standing water.** There are several species of mosquitoes that can breed in water that stands only one to two weeks. Such habitats include irrigation tail water as well as standing water in irrigated pastures and other agricultural habitats. Few mosquito species from three major genera are found in these sources, and during warm months and increased irrigation, pastures and other agricultural lands are enormous mosquito producers of *Aedes*, *Psorophora*, and *Culex* mosquitoes.
- **Wastewater treatment facilities/Storm Water Retention Basins.** Aquatic sites in this category include a wide variety of ponds, ditches, and other structures designed to handle wastewater of some kind. Included are sewage treatment ponds, wetlands managed for de-nitrification, and storm sewers systems.

The need to apply product is determined by surveillance. Actual use varies annually depending on mosquito abundance. The pesticide amounts used change from year to year due to annual variability in required pesticide applications for mosquito control.

Pesticide Handling Practices

District staff are trained in the handling of various chemicals. District applicators (State Certified Public Health Vector Control Technicians²⁴) are all certified by the CDPH. They are also required to complete in-house pesticide training on a yearly basis and attend, within two-year cycles, state training to maintain their state certification. This includes the use of Best Management Practices (BMPs) as follows:

- a. Measures to prevent pesticide spills:
 - District staff monitors application equipment on a daily basis to ensure it remains in proper working order.
 - Spill mitigation kits are placed in all District vehicles and pesticide storage areas to respond to spills.
 - Pesticides are kept in secure locations both on District grounds and when in District vehicles.
 - Employees are trained on spill prevention and response annually.

²⁴ California Department of Public Health, Vector Control Technician Certification Program, [Vector Control Technician Certification Program](#)

- b. Measures to ensure that only a minimum and consistent amount is used:
- Spray equipment is calibrated annually and is a part of the Cooperative Agreement with California Department of Public Health.
 - District recommended rates (within the range of specified label rates) for all vector control products have been determined through years of applied studies to ensure the proper rates are utilized in each of the mosquito breeding habitats found in the Coachella Valley.
 - Each Vector Control Technician uses scales and graduated cylinders to measure control products on a daily basis.
 - Products are checked out to certified Vector Control Technicians on a daily basis to help ensure accuracy of reporting and limit amount of product used on a daily basis.
- c. Specific BMPs for each spray mode, e.g. aerial spray, truck spray, hand spray, etc. as follows:
- The District calibrates all equipment mounted on trucks and hand held larviciding equipment each year to meet application specifications.
 - Field Supervisors review pesticide application records daily to ensure appropriate amounts of material are being used.
 - Ultra-Low Volume (ULV) equipment is calibrated annually for output and droplet size to meet label requirements.
 - Aerial larviciding equipment is calibrated by the Contractor for each product.
 - Aerial adulticiding equipment is calibrated before each use and droplet size is monitored by the District to ensure droplets meet label requirements. Airplanes used in urban ULV applications and the primary helicopter used for rural ULV spraying is equipped with advanced guidance and drift management equipment, to ensure the best available technology is being used to place product in the intended spray area. If a secondary airplane is used in rural ULV applications, it will be equipped with an advanced guidance system.
- d. Specific BMPs for each pesticide product used include:
- The District has determined recommended rates for various products based on years of applied studies in the Coachella Valley.

The District also operates under the guidance of the U.S. Environmental Protection Agency's (USEPA) Pesticide Environmental Stewardship Program (PESP).²⁵ Established in 1994, the PESP is an EPA partnership program that works with the nation's pesticide-user community to promote Integrated Pest Management (IPM) practices. PESP is guided by the principle that partnership programs complement the standards and decisions established by regulatory and registration actions. The informed actions of pesticide users can further reduce the risks from pests and pesticides by playing a major role in ensuring human health and environmental safety. The District has reported its activities to state and federal partners annually and has maintained an individual membership in the program since 2012.

25 U.S. EPA, Pesticide Environmental Stewardship Program (PESP), <https://www.epa.gov/pesp>

3.3 PROPOSED CHANGES TO THE IVMP

This Supplemental MND will consider current and future programmatic changes to District's IVMP. These include:

- Plans to use (organophosphate adult pesticides in instances of high risk for virus transmission. Potential use of new product registration that that could be available in the next 5 years. The product does not have a brand name since it is going through USEPA and DPR registration; the actives are abamectin, fatty acid, and a pyrethroid.
- The 2011 IVMP plan indicates that the District makes few treatments by helicopter. Currently, the District is routinely making on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. Not all of these are during daylight hours (as stated in the 2011 MND). A more significant change is making 6 to 10 applications by helicopter over cities. This is done with permits from the FAA and monitored by Riverside County Department of Agriculture.
- Drone applications – The District is starting these in late 2022. The drone applications will be in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.
- Future work – The District is exploring using sterile mosquitoes. Male *Aedes* mosquitoes would be released, mate with female mosquitoes, and any eggs laid would not be viable. The District's Board of Trustees supports the work, and staff anticipate several years before the District would be ready to implement.

The following programs considered in the original IVMP are being retired and/or reduced:

- Mosquitofish – the District has significantly reduced the number of mosquitofish used. Per CDFW guidance, the District only places mosquitofish on private property (i.e., abandoned pools, fountains and ponds). This has reduced the need for a CDFW permit.

3.3.1 Changes in Pesticide Application

The District plans to use organophosphate adult pesticide in instances of high risk for virus transmission. Malathion is an insecticide in the chemical family known as organophosphates.^{26 27}

Products containing malathion are used outdoors to control a wide variety of insects in agricultural settings and around people's homes. Malathion has also been used in public health mosquito control and fruit fly eradication programs. Malathion was first registered for use in the United States in 1956. Malathion is the active ingredient in mosquito control products including Fyfanon²⁸ and Atrapa.²⁹ These

26 U.S. EPA, Malathion, <https://www.epa.gov/mosquitocontrol/malathion>

27 National Pesticide Information Center (NPIC), Malathion, npic.orst.edu/factsheets/malagen.html

28 Fyfanon ULV Insecticide is an effective ULV concentrate designed to control invading pests on agricultural settings such as on corn, cotton and cereals. Offers a quick knockdown and residual control of piercing, sucking and chewing insects.

29 Altrapa is a Malathion 5EC is an insecticide / miticide used to control pests in a broad range of Crop and Non-crop applications.

products contain over 95 percent malathion and are often applied undiluted. However, they may be diluted with a petroleum solvent similar to kerosene before application, in which case petroleum solvent will make up most of the pesticide solution.

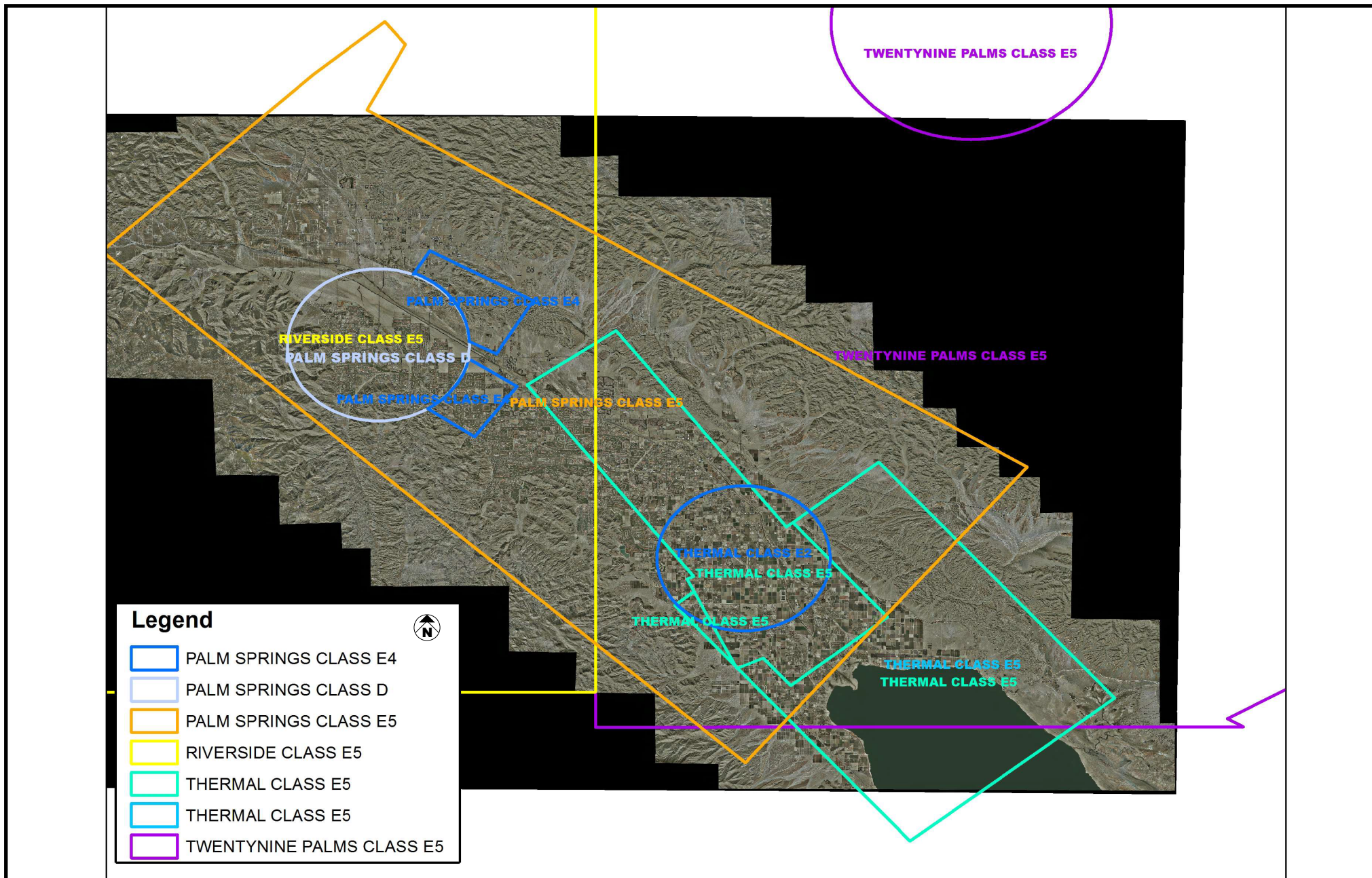
Currently the District uses pyrethrins and pyrethroids³⁰ for adult mosquito control in response to very high adult mosquito traps and in response to high risk of virus transmission. Monitoring activities for efficacy of these products indicates that some populations of mosquitoes are resistant to the pesticides. By using a different class of chemicals, the District can prolong the effectiveness of both classes to better protect people from mosquito-borne pathogens.

3.3.2 Changes in Use of Aerial Application

Helicopter Applications

The 2011 IVMP plan indicates that the District makes few treatments by helicopter. Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually). This is done with permits from the FAA and monitored by Riverside County Department of Agriculture. Approved FAA flight paths for aerial applications by helicopter are shown in **Figure 3.3-1: FAA Approved Flight Path for Helicopter Pesticide Applications**.

30 Agency for Toxic Substance and Disease Registry (ATSDR), Pyrethrins are botanical insecticides that come from the pyrethrum flower, *Chrysanthemum cinerariaefolium*. In contrast, the guide list contains no pyrethroid-containing products. Pyrethroids are synthetic compounds and are not exempt from the requirement of a residue tolerance. <https://wwwn.cdc.gov/TSP/PHS/PHS.aspx>



SOURCE: U.S. Department of Transportation (USDOT), Federal Aviation Administration (FAA), letter from Roy R. Peters regarding Approval of the Congested Area Plan submitted by you on March 17, 2021 dated June 16, 2021

FIGURE 3.3-1

As a result of increased helicopter flights, the following concerns have been expressed by the public:

- Changes to noise levels from helicopter over flights.
- Applications are primarily of Bti (larvicide) for mosquito larvae. This product is the preferred one by USFW when in areas near Casey's June beetle.

Currently, the District has an aerial applications contract with Salton Sea Aerial Service, Inc., and with Ocean Air Helicopters, Inc., to conduct adulticide or larvicide applications.

The application of control products by air in inaccessible areas such as the Salton Sea marsh habitats and where large applications are required, as in duck club habitats. The wetland marshes are often applied by helicopter rather than truck-mounted equipment because of accessibility and time-saving benefits. Evaluations of these applications have indicated that the District is more efficiently reducing the mosquito population through these aerial applications instead of through truck applications. The need for this approach to mosquito treatments will continue in the future. In addition, helicopter service provided by Salton Sea Air Service, Inc., can also apply larvicide and adulticide products to all urban areas of the Coachella Valley, if it becomes necessary based on arbovirus indicators and for the control of urban mosquito vectors.

In 2021, the District made 20 applications of adulticide products by aerial ULV to duck club and Salton Sea marshes, as well as to areas within and adjacent to the Coachella Valley Storm Water Channel and Delta. **Appendix A, CVMVCD Adulticiding Record 2021: Aerial Applications**, list the aerial application completed in 2021.

Drones

The District is challenged with a receding Salton Sea shoreline which continues to create shallow bodies of water suitable for increased mosquito breeding in remote and difficult to reach areas. Unmanned Aircraft Systems (UAS), commonly known as drones, are aircraft without a human pilot onboard that are controlled by an operator on the ground and are operated without the possibility of direct human intervention from within or on the aircraft.

Drones provide the capability of reaching these sources with reduced impact to the environment by our off-road equipment while also increasing the safety for our Vector Control Technicians. Drones will also be utilized to assist District field staff in mosquito control operations in duck club and agricultural mosquito habitats. In the future, use of drones to make applications to control Red Imported Fire Ant will be evaluated. The drone applications will be considered in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.

In the 2018, the District acquired two (2) drones, a Phantom 4 Pro and a Matrice 600, to gain flight control experience, drone maintenance experience, and aerial map processing. The District contracted with Leading Edge on November 11, 2021, and January 25, 2022, to perform two drone mosquito larvicide applications, consisting of several targeted areas along the Salton Sea Shoreline totaling 584 acres.

3.3.3 Sustainable Pest Management

Sterile Mosquitoes

One non-chemical method that can be utilized is the release of sterile male insects. This strategy can work when some specific criteria are met: the male insects are not the source of the problem; when the female insect mates once instead of multiple times; and when the released, sterile male insects are able to compete with the wild males for mates (and are not weak compared with the males already in the area).

The District is exploring using sterile mosquitoes. Male *Aedes* mosquitoes would be released, mate with female *Aedes* mosquitoes, and any eggs laid would not be viable. The CVMVCD Board supports the work and adopted Resolution No. 2021-12 on October 12, 2021.³¹ District staff anticipate several years before the District would be ready to implement releases.

3.3.4 IVMP Programs Being Retired and/or Reduced

The District has significantly reduced the number of mosquitofish used. Per CDFW guidance, the District only places mosquitofish on private property (i.e., abandoned pools, fountains and ponds). This has reduced the need for a CDFW permit.

3.4 PROJECT DISCRETIONARY ACTIONS

It is the intent of this MND/IS to evaluate the potential environmental impacts of the Proposed Project, thereby enabling the CVMVCD, responsible and reviewing agencies, and interested parties to make informed decisions. The anticipated approvals for the Proposed Project are as listed.

31 CVMVCD, Resolution No. 2021-12, A Resolution of the Board of the Coachella Valley Mosquito and Vector Control District Proclaiming the Support of Evaluating Sterile Insect Technique for its Potential Inclusion in the Integrated Vector manager Program, October 12, 2021.

Lead Agency	Action
<ul style="list-style-type: none"> CVMVCD Board of Trustees 	<ul style="list-style-type: none"> MND/IS Adoption and Project Approval
Responsible Agencies	Action
<ul style="list-style-type: none"> California Department of Public Health 	<ul style="list-style-type: none"> Cooperative Agreement that is renewed annually
<ul style="list-style-type: none"> California Department of Fish & Wildlife 	<ul style="list-style-type: none"> For work on state lands and riparian zones, wetlands or other sensitive habitats Use of mosquitofish on public lands
<ul style="list-style-type: none"> California State Lands Commission 	<ul style="list-style-type: none"> For work on state lands and riparian zones, wetlands or other sensitive habitats
<ul style="list-style-type: none"> California Department of Pesticide Regulation (DPR) 	<ul style="list-style-type: none"> Pesticide application approvals MOU between Department of Pesticide Regulation and CDPH
<ul style="list-style-type: none"> Riverside County Agricultural Commissioner 	<ul style="list-style-type: none"> For chemical control activities
Reviewing Agencies	Action
<ul style="list-style-type: none"> Coachella Valley Water District 	<ul style="list-style-type: none"> Coordination on irrigated areas
Federal Agency Coordination	Action/Activity
<ul style="list-style-type: none"> U.S. Fish & Wildlife Service 	<ul style="list-style-type: none"> Coordination activities
<ul style="list-style-type: none"> U.S. Department of the Interior, Bureau of Land Management 	<ul style="list-style-type: none"> Coordination activities
<ul style="list-style-type: none"> U.S. Department of Transportation, Federal Aviation Administration (FAA) 	<ul style="list-style-type: none"> Congested Area Flight Plan to make applications in parts of the Coachella Valley

4.0 ENVIRONMENTAL CHECKLIST

4.1 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project.

<input type="checkbox"/> Aesthetics	<input type="checkbox"/> Agriculture and Forestry	<input type="checkbox"/> Air Quality
<input type="checkbox"/> Biological Resources	<input type="checkbox"/> Cultural Resources	<input type="checkbox"/> Energy
<input type="checkbox"/> Geology/Soils	<input type="checkbox"/> Greenhouse Gas Emissions	<input type="checkbox"/> Hazards & Hazardous Materials
<input type="checkbox"/> Hydrology/Water Quality	<input type="checkbox"/> Land Use/Planning	<input type="checkbox"/> Mineral Resources
<input type="checkbox"/> Noise	<input type="checkbox"/> Population/Housing	<input type="checkbox"/> Public Services
<input type="checkbox"/> Recreation	<input type="checkbox"/> Transportation/Traffic	<input type="checkbox"/> Tribal Cultural Resources
<input type="checkbox"/> Utilities/Service Systems	<input type="checkbox"/> Wildfire	<input type="checkbox"/> Mandatory Findings of Significance

On the basis of this initial evaluation:

<input type="checkbox"/>	I find that the Project COULD NOT have a significant effect on the environment, and is eligible for a Categorical Exemption.
<input type="checkbox"/>	I find that the Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
<input checked="" type="checkbox"/>	I find that although the Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
<input type="checkbox"/>	I find that the Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
<input type="checkbox"/>	I find that the Project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
<input type="checkbox"/>	I find that although the Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the Project, nothing further is required.

Signature

Date

5.0 ENVIRONMENTAL ANALYSIS

This section provides an evaluation of the various topics contained in the State CEQA Guidelines Appendix G,³² and are considered for environmental review.

A brief explanation for the determination of significance is provided for all impact determinations with the exception of “No Impact” determinations that are adequately supported by the information sources the Lead Agency (CVMVCD) cites in the parentheses following each question. A “No Impact” determination is adequately supported if the referenced information sources show that the impact simply does not apply to the Project (e.g., the project falls outside a fault rupture zone). A “No Impact” determination includes an explanation of its bases relative to project-specific factors, as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

Explanations take account the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

Once the Lead Agency has determined that a particular physical impact may occur, the checklist is utilized to indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant.

“Mitigated Negative Declaration: Less Than Significant With Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less Than Significant Impact.” The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to less than significant.

32 California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

5.1 AESTHETICS

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
AESTHETICS—Would the project:				
a. Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following changes to the IVMP would affect aesthetics resources:

- **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).
- **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.

Discussion

a. Have a substantial adverse effect on a scenic vista?

No Impact.

Scenic vistas are views of features such as mountains, forests, the ocean, and/or urban skylines. Mosquito control activities would have no significant or long-term effects on scenic resources.

Project activities occur in urban areas, agricultural areas, marshes, and riparian zones. These activities do not result in the construction of structures which could impact views from surrounding areas. Inspection and control activities using wheeled vehicles on soft ground or in vegetated areas can temporarily knock

down tall or stiff plants on the marshlands, but this is a short-term phenomenon that is temporary and periodic. Over a short time, vegetation recovers or grows over these areas, eliminating the impact

As such, the proposed changes to the IVMP would have no impact on scenic vistas.

Mitigation Measures: *No mitigation is required.*

b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact.

An “Officially Designated” scenic highway means that the highway provides views of scenic backdrops and has been officially designated by the Caltrans Corridor Protection Program, which protects the views and natural landscapes surrounding the highway.³³

The following State Designated Scenic Highways by California Department of Transportation (Caltrans) are located within the District’s boundaries: State Route (SR) 74 located towards the northwest portion of the District’s Service Area; SR 62 located in the upper northwest corner of the District’s Service Area.³⁴ The District’s Service Area also contains SR 111 which bisects the Project boundaries traveling from the upper northwest corner to the southeast near the Salton Sea, which is a State “Eligible” Scenic Highway.

The Project would include surveillance for vector populations, public outreach, and application of pesticides.

Although the Project is located within proximity to buildings that are designated historical within the Riverside County General Plan,³⁵ Changes to the IVMP would not affect any of these structures.

The Project would not damage any scenic resources, such as rock outcroppings or trees, or historic buildings during Project activities. During these activities, scenic resources would be avoided such as during pesticide application via ATVs or on foot. Therefore, the proposed changes to the IVMP would not have any aesthetic impacts to trees, rock outcroppings, or historic buildings within a state scenic highway.

33 Caltrans, “Eligible (E) and Officially Designated (D) Routes.”

34 California State Scenic Highway System Map.
<https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aaca>. Accessed February 2022.

35 County of Riverside, General Plan, Multipurpose Open Space Element, Figure OS-7, accessed May 2022,
<https://planning.rctlma.org/General-Plan-Zoning/General-Plan>.

No impacts would occur.

Mitigation Measures: No mitigation is required.

c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

No Impact.

The proposed changes to the IVMP does not require the construction of any permanent buildings. The Project would not conflict with applicable zoning and other regulations governing scenic quality.

No Impact would occur.

Mitigation Measures: No mitigation is required.

d. Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?

Less than Significant Impact.

Project activities may include the use of occur at night. This could result in an increase in light from ATVs or helicopters during nighttime applications. The number of vehicles in any one area at one time not significantly impact the light environment. As Project activities do not include permanent structures, lighting of any area will occur for short periods of time and would stop when the vehicles move on to the next treatment area.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

5.2 AGRICULTURE AND FORESTRY RESOURCES

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
AGRICULTURE AND FORESTRY RESOURCES—Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Result in the loss of forestland or conversion of forestland to nonforest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Involve other changes in the existing environment which, due to their location or nature could result in conversion of Farmland, to nonagricultural use or conversion of forestland to nonforest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The following changes to the IVMP would affect agriculture resources:

- **Changes in the type of pesticides used.** The District plans to use malathion (an organophosphate adult pesticide) in instances of high risk for virus transmission. Potential use of new products in the next 5 years to address new product for adult mosquito control. In addition, the District is considering the use and application of Bti (larvicide) for mosquito larvae. This product is the preferred one by US Fish and Wildlife Service when in areas near Casey's June beetle.
- **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).
- **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.
- **Future work - sterile mosquitoes.** The District is exploring using the use of male Aedes mosquitoes would be released, mate with female Aedes mosquitoes, and any eggs laid would not be viable.

Discussion

a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?

No Impact.

According to the California Department of Conservation “California Important Farmland Map,” the Project Site and surrounding areas are listed as Urban and Built-Up Land, Farmland of Local Importance, Unique Farmland, Prime Farmland, Farmland of Statewide Importance, and Other.³⁶

Vector management is necessary within agricultural areas and as such Project activities including the application of pesticides would occur. However, the proposed changes to the IVMP would not convert farmland to nonagricultural use. Project activities within agricultural lands are also highly regulated and coordinated with farmers to reduce impacts to productive agricultural lands.

No impacts would occur.

Mitigation Measures: No mitigation is required.

b. Conflict with existing zoning for agricultural use, or Williamson Act Contract?

No Impact.

As stated previously, Project activities would not convert any agricultural lands to other uses. Implementation of the of the changes to the IVMP would not conflict with existing land use designations for agricultural use or Williamson Act Contract.

No impacts would occur.

Mitigation Measures: No mitigation is required.

36 Department of Conservation, “California Important Farmland Map,” <https://maps.conservation.ca.gov/DLRP/CIFF/>. Accessed May 2022.

c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact.

The proposed changes to the IVMP would not conflict with the existing zone or cause change to the zone.

No impacts would occur.

Mitigation Measures: No mitigation is required.

d. Result in the loss of forestland or conversion of forestland to nonforest use?

No Impact.

The proposed changes to the IVMP would not result in the loss of, or conversion of, forestland to nonforest use.

No impacts would occur.

Mitigation Measures: No mitigation is required.

e. Involve other changes in the existing environment which, due to their location or nature could result in conversion of Farmland, to nonagricultural use or conversion of forestland to nonforest use?

No Impact.

The proposed changes to the IVMP would not result in conversion of farmland to nonagricultural use, or forestland to nonforest use.

No impacts would occur.

Mitigation Measures: No mitigation is required.

5.3 AIR QUALITY

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
AIR QUALITY – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following changes to the IVMP would affect air quality resources:

- **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).
- **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.
- **Changes in the type of pesticides used.** The District plans to use malathion (an organophosphate adult pesticide) in instances of high risk for virus transmission. Potential use of new products in the next 5 years to address new product for adult mosquito control. In addition, the District is considering the use and application of Bti (larvicide) for mosquito larvae. This product is the preferred one by US Fish and Wildlife Service when in areas near Casey's June beetle.
- **Future work - sterile mosquitoes.** The District is exploring using the use of male Aedes mosquitoes would be released, mate with female Aedes mosquitoes, and any eggs laid would not be viable.

Discussion

a. Conflict with or obstruct implementation of the applicable air quality plan?

Less than Significant Impact.

The South Coast Air Quality Management District (SCAQMD) is the agency responsible for attaining State and federal clean air standards in the Salton Sea Air Basin (Basin), where the Project is located. The SCAQMD adopted an updated air quality management plan (AQMP) in March 2017.³⁷ The Final 2016 AQMP was prepared to comply with the federal and State Clean Air Acts and amendments, to accommodate growth, to reduce pollutants in the Basin, meet federal and State air quality standards, and minimize the fiscal impact of pollution control measures on the local economy. It builds on approaches seen in the previous AQMP in order to achieve attainment of the federal ozone air quality standard. These planning efforts have substantially decreased exposure to unhealthy levels of pollutants, even while substantial population growth has occurred within the Basin.

Projects considered to be consistent with the AQMP would not interfere with attainment of the air quality levels identified in the AQMP because this growth is included in the projections utilized in the formulation of the AQMP. Therefore, projects, uses, and activities that are consistent with the applicable assumption used in the development of the AQMP would not jeopardize attainment of the air quality levels identified in the AQMP, even if they exceed the SCAQMD's recommended daily emissions thresholds.

The Southern California Association of Governments (SCAG) has the responsibility for preparing and approving the portions of the AQMP relating to regional demographic projections and integrated regional land use, housing, employment, as well as transportation programs, measures, and strategies. With respect to the determination of consistency with AQMP growth assumptions, the projections in the AQMP for achieving air quality goals are based on assumptions in SCAG's 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) regarding population, housing, and growth trends.

With regard to air quality planning, SCAG has prepared and adopted the 2020–2045 RTP/SCS,³⁸ which includes a Sustainable Communities Strategy that addresses regional development and growth forecasts. Determining whether or not a project exceeds SCAG's growth forecasts involves the evaluation of the following: (1) consistency with applicable population, housing, and employment growth projections; (2)

37 South Coast Air Quality Management District, Final 2016 Air Quality Management Plan, <https://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2016-aqmp>. Accessed June 2022

38 Southern California Association of Governments, Connect SoCal: 2020–2045 Regional Transportation Plan/Sustainable Communities Strategies, <https://scag.ca.gov/read-plan-adopted-final-plan>. Accessed June 2022.

project mitigation measures; and (3) appropriate incorporation of AQMP land use planning strategies. A project is consistent with the AQMP, in part, if it is consistent with the population, housing, and employment assumptions that were used in the development of the AQMP.

Six criteria air pollutants (CAPs) are monitored at the federal, State, and regional levels. These six CAPs include ozone (O₃), particulate matter (PM₁₀ and PM_{2.5}), nitrogen dioxide (NO₂), carbon monoxide (CO), lead (Pb), and sulfur dioxide (SO₂). The District is located within the Salton Sea Air Basin (Basin) which designated as nonattainment or unclassified for O₃, PM_{2.5}, and PM₁₀.

Projects considered to be consistent with the AQMP would not interfere with attainment of the air quality levels identified in the AQMP because this growth is included in the projections utilized in the formulation of the AQMP. Therefore, projects, uses, and activities that are consistent with the applicable assumption used in the development of the AQMP would not jeopardize attainment of the air quality levels identified in the AQMP, even if they exceed the SCAQMD's recommended daily emissions thresholds.

The proposed changes to the IVMP would not increase population, employment, or housing projections as it does not involve the development of any land uses. Thus, the proposed changes to the IVMP would not conflict with growth projections used in the development of the AQMP.

SCAQMD developed regional emissions thresholds to determine whether a project would contribute to air pollutant violations. If a project exceeds the regional air pollutant thresholds, it would substantially contribute to air quality violations in the Salton Sea Air Basin. As discussed below, the proposed changes to the IVMP would produce negligible air quality emissions that would not have the potential to exceed SCAQMD thresholds.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard?

Less than Significant Impact.

A significant impact could occur if a project would add a considerable cumulative contribution to federal or State nonattainment criteria pollutants. The Salton Sea Air Basin is currently designated as nonattainment or unclassified for O₃, PM_{2.5}, and PM₁₀.

Pesticide applications by the District do not significantly contribute to air quality emissions because most materials are applied directly to aquatic sources and aerosol applications use liquid droplets, not particulates, as carriers. The use of aerosols would contribute insignificant quantities of VOCs. As such, air quality emissions from pesticides would be similar compared to the 2011 MND.

The proposed changes to the IVMP would not increase the number of vehicles within the District's fleet, and will continue to comply with SCAQMD Rule 1191 (Clean On-Road Light- and Medium-Duty Public Fleet Vehicles).³⁹ The District's fleet produces air quality emissions well below the daily SCAQMD thresholds. Moreover, during the lifetime of the proposed changes to the IVMP newer vehicles sold on the market would be required to comply with Corporate Average Fuel Economy (CAFE) standards expected to incrementally take effect.⁴⁰ Accordingly, fuel consumption is anticipated to decrease each year through implementation of regulations that require higher energy efficiencies and higher efficient and alternative fueled vehicles. As such, air quality emissions from on-road vehicles are expected to remain the same or be lower than in prior years.

The District is considering the use of aerial drone applications in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments. ATV/UTVs and helicopters rely on fossil fuels to operate, which generate air quality emissions from combustion of these fuels. However, drones are operated using batteries and electricity. As such, reducing the number of ATV/UTV and helicopter trips using drones would reduce fossil fuel consumption from these uses.

Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. The District is increasing helicopter flights to occur more frequently

39 SCAQMD, Rule 1191 (Clean On-Road Light- and Medium-Duty Public Fleet Vehicles), <http://www.aqmd.gov/home/rules-compliance/rules/fleet-rules/light-medium-duty-public-fleet>. Accessed May 2022.

40 National Highway Traffic Safety Administration (NHTSA), Corporate Average Fuel Economy standards, <https://www.nhtsa.gov/laws-regulations/corporate-average-fuel-economy>. Accessed May 2022.

over cities (6 to 10 applications annually). These additional helicopter trips would generate negligible air quality emissions from fossil fuels.

The proposed changes to the IVMP would not contribute significant quantities of criteria air pollutants to the Basin and would not exceed SCAQMD thresholds.

The SCAQMD states that “projects that do not exceed the project specific thresholds are generally not considered to be cumulatively significant.”⁴¹ Therefore, if a project generates less than significant construction or operational emissions, then the project would not generate a cumulatively considerable increase in emissions for those pollutants which the Basin is in nonattainment. As discussed above, the proposed changes to the IVMP would not contribute significant quantities of criteria air pollutants to the Basin and would not be capable of exceeding SCAQMD thresholds.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

c. Expose sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact.

The District utilizes chemical control as part of the overall IVMP vector management strategy. As such, nearby populations could potentially be exposed to these chemicals for a short-term period.

The District uses a variety of pesticides (both larvicides and adulticides) (see **Table 3.2-1: List of Adulticide, Larvicide, Red Imported Fire Ant and Bee Control Products**) that have active ingredients for larval or adult control (see **Table 3.2-2, List of Active ingredient in Permitted Mosquito Larvicide and Adulticide Products**). All of these products are used according to label directions and may be applied by ground (hand, truck, ATV, backpack, etc.) or by air (helicopter or fixed wing aircraft).

Table 5.3-1: Potential Health Effects of Permitted Pesticides, lists the potential health effects to sensitive receptors for the various permitted pesticides utilized by the District. As shown, common health effects include irritation of the skin and eyes, headaches, dizziness, and abdominal issues. Most symptoms are a result of direct contact or ingestion of the pesticide, which is unlikely to occur to nearby populations. Nearby receptors would be notified when District staff intends to make pesticide applications so they can

41 SCAQMD, White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (2003), Appendix A, <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper-appendix.pdf>. Accessed June 2022.

take the proper precautions to prevent contact or ingestion of these chemicals. District staff, who make these applications, would have the highest risk of exposure to these pesticides.

Before registration of a pesticide product, the California Department of Pesticide Regulation (DPR) conducts pre-market evaluation based on standards used by USEPA and studies required by California statutes to decide if the product can be used safely.⁴² These evaluations may prompt DPR to deny registration, propose registration conditional on receipt of additional data, or restricted material. Restricted materials require a permit and are subject to site- USEPA-approved label, giving the registrant the option of obtaining approval from USEPA of a revised label that incorporates additional protections satisfactory to DPR. (Label changes must be approved by USEPA, which has sole authority over label language.)

The California DPR conducts human health risk assessments to evaluate the risk to human health associated with pesticide use. If specific pesticide uses of concern are identified, DPR adopts mitigation measures that reduce the risk of pesticide exposure and thereby the risk of adverse human health effects. California regulations require the DPR to investigate reports of possible adverse effects to people or the environment resulting from the use of pesticides. Reevaluation of a registered pesticide is required if a significant adverse impact occurred, or is likely to occur, from its use.⁴³

State code⁴⁴ specifies several factors under which DPR may initiate a reevaluation: (a) public or worker health hazard, (b) environmental contamination, (c) residue over tolerance, (d) fish or wildlife hazard, (e) lack of efficacy, (f) undesirable phytotoxicity, (g) hazardous packaging, (h) inadequate labeling, disruption of the implementation or conduct of pest management, (j) other information suggesting a significant adverse effect, (k) availability of an effective and feasible alternative material or procedure that is demonstrably less destructive to the environment, and (l) discovery that data upon which a registration was issued is false, misleading, or incomplete. An ongoing DPR pesticide review may trigger a reevaluation. Reevaluation triggers also include data or information received from state and county pesticide use surveillance and illness investigations, pesticide residue sample analyses, environmental monitoring activities, and issues that may concern other state or federal agencies.

42 California Department of Pesticide Regulations, Assessing Pesticide Risks to Human Health, [Chapter 5 Assessing Pesticide Risks to Human Health \(ca.gov\)](#).

43 California Department of Pesticide Regulations, California Notice 2022-08, Semiannual Report Summarizing the Reevaluation Status of Pesticide Products During the Period of July 1, 2021 through December 31, 2021.

44 California Code of Regulations (Title 3. Food and Agriculture), Division 6. Pesticides and Pest Control Operations Division 6. Pesticides and Pest Control Operation, Chapter 2. Pesticides, Subchapter 1. Pesticide Registration, Article 8. Reevaluation Criteria.

Table 5.3-1
Potential Health Effects of Permitted Pesticides

District Permitted Products	Potential Health Effects of Short-Term Exposure
Larvicides	
Bacillus thuringiensis israelensis (Bti)	Skin and eye irritation ^a
Bacillus (Lysinibacillus) sphaericus	Skin and eye irritation ^b
(S) – Methoprene	Skin, eye, and lung irritation ^a
Monomolecular Films	No known human health effects ^c
Petroleum Distillates	Skin, eye, and throat irritation; Dizziness; Drowsiness; Headache; and Nausea ^d
Spinosad	Skin and eye irritation ^a
Temephos	Eye irritation ^e
Adulticides	
Deltamethrin	Skin tingling, itching, burning, and numbness; Eye irritation; Headache; and Dizziness; ^a
Etofenprox	Skin irritation ^f
Lambda-cyhalothrin	Skin tingling and burning; Skin, throat, and nose irritation; Dizziness; Headache; Nausea; Lack of appetite; and Fatigue ^a
Malathion	Nausea and vomiting; Muscle tremors, cramps, and weakness; Shortness of breath; Slowed heart rate; Headache; Abdominal pain; and Diarrhea ^a
Naled	Skin itching, redness, rash, and irritation; Headache; Nausea; Dizziness; Sweating; Increased saliva; Tearing; and Runny nose
N-octyl bicycloheptene dicarboximide (MGK-264)	No known human health effects ^a
Piperonyl butoxide (PBO)	Slight eye and skin irritation ^a
Permethrin	Skin irritation, tingling, burning, and itching; Eye redness, pain, and burning; Sore throat; Abdominal pain; Nausea; Vomiting; Nose and throat irritation; Difficulty breathing; Headaches; and Dizziness ^a
Prallethrin	Eye irritation ^g
Pyrethrin	Skin irritation, tingling, and numbness; Respiratory irritation; Runny nose; Coughing; Difficulty breathing; Vomiting; and Diarrhea ^a
Resmethrin	Skin stinging, burning, itching, tingling, and numbness; Abnormal sensations on the face; Dizziness; Nausea; Fatigue; and Irritability to sound and touch ^a
Sumithrin (d-Phenothrin)	Skin tingling, itching, burning, and numbness; Skin and eye irritation; Nausea; Vomiting; Throat irritation; Headaches; and Dizziness ^a

- ^a National Pesticide Information Center, Specific Chemical (Active Ingredient) Information, <http://npic.orst.edu/ingred/specchem.html>. Accessed May 2022.
- ^b USEPA, Fact Sheet Bacillus sphaericus 2362, serotype H5a5b, strain ABTS 1743 (PC Code 119803), https://www3.epa.gov/pesticides/chem_search/reg_actions/registration/fs_PC-119803_06-May-14.pdf. Accessed May 2022.
- ^c USEPA, Labeling Amendment; Updated First Aid Section AROSURFMSF EPA Registration No. 8329-74, https://www3.epa.gov/pesticides/chem_search/ppls/008329-00074-20070301.pdf. Accessed May 2022.
- ^d Center for Disease Control (CDC), Occupational Health Guidelines for Petroleum Distillates (Naphtha), <https://www.cdc.gov/niosh/docs/81-123/pdfs/0492.pdf?id=10.26616/NIOSH-PUB81123>. Accessed May 2022.
- ^e USEPA, Pesticides: Reregistration, Temephos, https://archive.epa.gov/pesticides/reregistration/web/html/temephos_red.html#IIIA1a. Accessed May 2022.
- ^f USEPA, Etofenprox: Occupational and Residential Exposure/Risk Assessment for Proposed Section 3 Uses on Rice and as ULV Mosquito Adulticide, https://www3.epa.gov/pesticides/chem_search/cleared_reviews/csr_PC-128965_9-Jun-08_a.pdf. Accessed May 2022.
- ^g USEPA, Pesticide Product Label, Prallethrin Technical NC, https://www3.epa.gov/pesticides/chem_search/ppls/089459-00130-20220502.pdf. Accessed May 2022.
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When a pesticide enters the reevaluation process, DPR reviews existing data and may require that registrants provide additional data to characterize the nature and extent of the potential hazard and identify appropriate mitigation measures if needed. DPR initiates formal reevaluation when an investigation indicates a significant adverse impact has occurred or is likely to occur. Each reevaluation is summarized with regard to the following four areas: (1) Basis and Scope, (2) Data Requirements (if any), (3) Summary (e.g., protocol development, study/data submission and evaluation, DPR analysis papers, risk assessments), and (4) Mitigation Efforts and Status.

In the 2021 Semiannual Report,⁴⁵ DPR re-valuated the following products: Chloropicrin - 34 Products, Cyfluthrin - 20 Products, Neonicotinoids (Nitroguanidine Insecticides) - 206 Products and Second Generation Anticoagulant Rodenticides (SGARs) - 67 Products. The District does not use any products with these active ingredients. As such, the District is not subject to any additional mitigation regarding their use.

District staff are trained in the handling of various chemicals and apply them in strict accordance with the control product label instructions. District applicators (State Certified Public Health Vector Control Technicians)⁴⁶ are all certified by the California Department of Public Health (CDPH). They are also required to complete in-house pesticide training on a yearly basis and attend, within two-year

⁴⁵ California Department of Pesticide Regulations, California Notice 2022-08, Semiannual Report Summarizing the Reevaluation Status of Pesticide Products During the Period of July 1, 2021 through December 31, 2021.

⁴⁶ California Department of Public Health, Vector Control Technician Certification Program, [Vector Control Technician Certification Program](#)

cycles, state training to maintain their state certification. This includes the use of Best Management Practices (BMPs) as follows:

- a. Measures to prevent pesticide spills:
 - District staff monitors application equipment on a daily basis to ensure it remains in proper working order.
 - Spill mitigation kits are placed in all District vehicles and pesticide storage areas to respond to spills.
 - Pesticides are kept in secure locations both on District grounds and when in District vehicles.
 - Employees are trained on spill prevention and response annually.
- b. Measures to ensure that only a minimum and consistent amount is used:
 - Spray equipment is calibrated annually and is a part of the Cooperative Agreement with California Department of Public Health.
 - District recommended rates (within the range of specified label rates) for all vector control products have been determined through years of applied studies to ensure the proper rates are utilized in each of the mosquito breeding habitats found in the Coachella Valley.
 - Each Vector Control Technician uses scales and graduated cylinders to measure control products on a daily basis.
 - Products are checked out to certified Vector Control Technicians on a daily basis to help ensure accuracy of reporting and limit amount of product used on a daily basis.
- c. Specific BMPs for each spray mode, e.g. aerial spray, truck spray, hand spray, etc. as follows:
 - The District calibrates all equipment mounted on trucks and hand held larviciding equipment each year to meet application specifications.
 - Field Supervisors review pesticide application records daily to ensure appropriate amounts of material are being used.
 - Ultra-Low Volume (ULV) equipment is calibrated annually for output and droplet size to meet label requirements.
 - Aerial larviciding equipment is calibrated by the Contractor for each product.
 - Aerial adulticiding equipment is calibrated before each use and droplet size is monitored by the District to ensure droplets meet label requirements. Airplanes used in urban ULV applications and the primary helicopter used for rural ULV spraying is equipped with advanced guidance and drift management equipment, to ensure the best available technology is being used to place product in the intended spray area. If a secondary airplane is used in rural ULV applications, it will be equipped with an advanced guidance system.
- d. Specific BMPs for each pesticide product used include:
 - The District has determined recommended rates for various products based on years of applied studies in the Coachella Valley.

The District also operates under the guidance of the U.S. Environmental Protection Agency's (USEPA) Pesticide Environmental Stewardship Program (PESP).⁴⁷ Established in 1994, the PESP is an USEPA partnership program that works with the nation's pesticide-user community to promote Integrated Pest Management (IPM) practices. The PESP is guided by the principle that partnership programs complement the standards and decisions established by regulatory and registration actions. The informed actions of pesticide users can further reduce the risks from pests and pesticides by playing a major role in ensuring human health and environmental safety. The District has reported its activities to state and federal partners annually and has maintained an individual membership in the program since 2012. As such, the proposed changes to the IVMP do not pose a significant air quality impact to sensitive receptors from chemical control applications.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less than Significant Impact.

Some pesticides may result in faint odors when applied. However, these odors would be temporary and localized to the application site.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

47 U.S. EPA, Pesticide Environmental Stewardship Program (PESP), <https://www.epa.gov/pesp>. Accessed June 2022.

5.4 BIOLOGICAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
BIOLOGICAL RESOURCES—Would the project:				
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Have a substantial adverse effect on federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following changes to the IVMP would affect agriculture resources:

- **Changes in the type of pesticides used.** The District plans to use malathion (an organophosphate adult pesticide) in instances of high risk for virus transmission. Potential use of new products in the next 5 years to address new product for adult mosquito control. In addition, the District is considering the use and application of Bti (larvicide) for mosquito larvae. This product is the preferred one by US Fish and Wildlife Service when in areas near Casey's June beetle.
- **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or

very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).

- **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.
- **Future work - sterile mosquitoes.** The District is exploring using the use of male *Aedes* mosquitoes would be released, mate with female *Aedes* mosquitoes, and any eggs laid would not be viable.

Discussion

a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less Than Significant with Project Mitigation.

The goal of the District's IVMP and the proposed changes is to complete management strategies and programs within the Coachella Valley for the safety of its residents. The District implements both biological and chemical control methods as part of the IVMP.

Biological control is the intentional use of pathogens, parasites, or predators to reduce the size of target populations to tolerable levels. Biological control represents one of the principal components of biorational control in mosquito control integrated pest management. Mosquitofish, *Gambusia affinis*, are the most commonly used biological control agent for mosquitoes in the world. Correct use of this fish can provide safe, effective, and persistent suppression of a variety of mosquito species in many types of mosquito sources.

When field inspections indicate the presence of vector populations which meet District criteria for chemical control (including abundance, density, species composition, proximity to human settlements, water temperature, and other criteria), District staff apply chemical control, if other options have been exhausted, to the site in strict accordance with the control product label instructions.

As part of the District's IVMP program, surveillance is a key component that drives the use of pesticides in appropriate doses and locations. Prior to any pesticide application, confirmation is made of the number and species of vector. For mosquito control, surveillance is also conducted for the pathogens which cause disease in the public, e.g., the viruses that cause West Nile Encephalitis, St. Louis Encephalitis, and western equine encephalomyelitis. Detection of high numbers of adult mosquitoes and virus drives the District

Risk Modeling and Operational Strategy, where focused applications of adulticides are made to protect vulnerable members of the public.

Special-status species include those listed as endangered or threatened under the federal Endangered Species Act (ESA) or California Endangered Species Act (CESA), species otherwise given certain designations by the California Department of Fish and Wildlife (CDFW), and plant species listed as rare by the California Native Plant Society (CNPS).

The District's Service Area is in the Coachella Valley and Sonoran Desert and the characteristics of this area include high temperatures, dry climate, and extreme topographic variations such as low desert floor and mountain ranges which contribute to the diverse ecological environment and natural communities found here.⁴⁸

The California Natural Diversity Database (CNDDDB) contains an aggregate of the most recent, updated listing of plant and animal species in California. A CNDDDB records-search was conducted for 55 quadrangles within the boundaries of the District (see The species occurring within the Service Area are listed in **Appendix B: Biological Resources Data** for the full list of search results). The search identified 25 species listed as either federally, or State, threatened or endangered, with one species in particular listed as "Candidate Threatened," as well as additional species listed with special statuses. The species identified in **Appendix B** were identified within the CNDDDB search as being listed either federally, or State, threatened or endangered, or as a special- status species.

The District has not developed a plan for dealing with endangered species, but it is involved in the American Mosquito Control Association which is creating a Federal position on vector control and endangered species.⁴⁹ District staff coordinate and consult with other responsible agencies, including the California Department of Public Health, the California Department of Fish and Wildlife, and the Bureau of Land Management to ensure that Service Area activities do not result in significant impacts to biological resources. Further, District staff routinely fund and collaborate with researchers from the University of California and other academic institutions on research projects to evaluate activities and to ensure that practices are used with the least potential impact on biological resources consistent with operational requirements.

48 County of Riverside General Plan, Multipurpose Open Space Element, accessed May 2022, <https://planning.rctlma.org/General-Plan-Zoning/General-Plan>.

49 CVMVCD, California Environmental Quality Act (CEQA) Mitigated Negative Declaration Annual Compliance Report, March 9, 2021.

The District's IVMP, including the proposed changes, involves procedures for minimizing potential environmental impacts. Vector control activities are conducted at a wide variety of sites throughout the District's Service Area. These sites can be roughly divided into: (1) those where activities may have an effect on the natural environment either directly or indirectly, and (2) sites where the potential environmental impacts are negligible ("Non-Environmental Sites"). Examples of "Environmental Sites" in the Service Area include marshes, diked marshes, ponds within duck clubs, storm water detention basins, flood control channels, street drains and gutters, wash drains, or roadside ditches. Examples of "Non-Environmental Sites" include animal troughs, artificial containers, tire piles, fountains, ornamental fishponds, swimming pools, animal waste detention ponds, and non-natural harborage (such as wood piles, residential and commercial landscape, trash receptacles, etc.). However, the following activities have the potential for inadvertent direct or indirect impacts to wildlife and/or habitat:

- **Changes in the type of pesticides used.** The District plans to use malathion (an organophosphate adult pesticide) in instances of high risk for virus transmission. Potential use of new products in the next 5 years to address new product for adult mosquito control. In addition, the District is considering the use and application of Bti (larvicide) for mosquito larvae. This product is the preferred one by US Fish and Wildlife Service when in areas near Casey's June beetle.
- **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).
- **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.

Chemical Control

Ground Applications

The movement of All Terrain Vehicles (ATVs) are guided by the ground crew to avoid any damage to wildlife, if present. The use of ATVs by the District is limited to activities to agricultural areas such as irrigated date gardens. In the spring months on the west side of the Salton Sea, use of ATVs is limited to existing dirt roads in the flooded areas of fishery ponds. The District staff shall use existing dirt roads around the fish farm ponds and shall enter only those open areas under the salt grass in the vicinity of the fish farm ponds. In the fall months, the use of ATVs is limited to sites such as duck club ponds that are man-made.

In 2021, the District used ATVs forty-three times during bird breeding season (March through June) near the shoreline to examine the need for an aerial application and to make applications in response to West

Nile virus positive samples. Use was restricted, and staff watched for signs of wildlife. Otherwise, ATV use in the spring and early summer was restricted to agricultural fields. ATVs were used in the duck clubs during the late summer, fall, and winter. Eighteen employees were trained September 30, 2021, which is the annual training in preparation for increased use in duck hunting club and shoreline habitats.

District staff strictly comply with control product labels that are written to ensure that no significant impact to biological resources can occur. The District maintains current and updated maps and other information from the CNDDDB, the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP) and the Agua Caliente Tribal Habitat Conservation Plan (Tribal HCP), the Bighorn Sheep Recovery Plan and similar sources on the location of special status species and designated natural communities in the District's Service Area.

District staff coordinate its activities with approved Habitat Conservation Plans and Species Recovery Plans. District staff conduct all its activities consistent with the requirements of the California Department of Fish and Wildlife, the Regional Water Quality Control Board, the US Fish and Wildlife Service (USFWS) and the US Army Corps of Engineers (USACOE). Finally, the District shall maintain policies and programs for the continuing education of field personnel to ensure minimization of specific mosquito control activities and/or the use of alternative mosquito control methods which might impact special status species or designated natural communities.

Fire ant biological control agents were released in 2014 and 2015 at three locations within the Coachella Valley. The microsporidian fire ant pathogen, *Kneallhazia solenopsae*, has established at one location and seems to have established naturally in a second. Two species of fire ant decapitating flies, *Pseudacteon curvatus* and *Pseudacteon obtusus*, were released and have been collected with the latter being more abundant. All flies have been collected near the release site in the City of Palm Desert with the exception of one sample of *P. obtusus* trapped west of releases indicating the flies were starting to spread. A fire ant specific virus, SINV-3, has also been able to establish at two locations. This work has been completed with the USDA and is monitored routinely.

Aerial Applications

Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually). This is done with permits from the FAA and monitored by Riverside County Department of Agriculture. Approved

FAA flight paths for aerial applications by helicopter are shown in **Figure 3.3-1: FAA Approved Flight Path for Helicopter Pesticide Applications.**

As a result of increased helicopter flights, the following concerns have been expressed by the public:

- Changes to noise levels from helicopter over flights.
- Applications are primarily of Bti (larvicide) for mosquito larvae. This product is the preferred one by USFW when in areas near Casey's June beetle.

The application of control products by air in inaccessible areas such as the Salton Sea marsh habitats and where large applications are required, as in duck club habitats. The wetland marshes are often applied by helicopter rather than truck-mounted equipment because of accessibility and time-saving benefits. Evaluations of these applications have indicated that the District is more efficiently reducing the mosquito population through these aerial applications instead of through truck applications. The need for this approach to mosquito treatments will continue in the future.

The District is challenged with a receding Salton Sea shoreline which continues to create shallow bodies of water suitable for increased mosquito breeding in remote and difficult to reach areas. Unmanned Aircraft Systems (UAS), commonly known as drones, are aircraft without a human pilot onboard that are controlled by an operator on the ground and are operated without the possibility of direct human intervention from within or on the aircraft.

Drones provide the capability of reaching these sources with reduced impact to the environment by our off-road equipment while also increasing the safety for our Vector Control Technicians. Drones will also be utilized to assist our field staff in mosquito control operations in duck club and agricultural mosquito habitats. In the future, use of drones to make applications to control Red Imported Fire Ant will be evaluated. The drone applications will be considered in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.

Ground Applications

The movement of All Terrain Vehicles (ATVs) are guided by the ground crew to avoid any damage to wildlife, if present. The use of ATVs by the District is limited to activities to agricultural areas such as irrigated date gardens. In the spring months on the west side of the Salton Sea, use of ATV's is limited to existing dirt roads in the flooded areas of fishery ponds. The District staff shall use existing dirt roads around the fish farm ponds and shall enter only those open areas under the salt grass in the vicinity of the fish farm ponds. In the fall months, the use of ATVs is limited to sites such as duck club ponds that are created.

In 2021, the District used ATVs forty-three times during bird breeding season (March through June) near the shoreline to examine the need for an aerial application and to make applications in response to West Nile virus positive samples. Use was restricted, and staff watched for signs of wildlife. Otherwise, ATV use in the spring and early summer was restricted to agricultural fields. ATVs were used in the duck clubs during the late summer, fall, and winter.

When field inspections indicate the presence of vector populations which meet District criteria for chemical control (including abundance, density, species composition, proximity to human settlements, water temperature, and other criteria), District staff apply chemical control, if other options have been exhausted, to the site in strict accordance with the control product label instructions. The District also operates under the guidance of the U.S. Environmental Protection Agency's (USEPA) Pesticide Environmental Stewardship Program (PESP).⁵⁰ PESP is a voluntary membership program that promotes the adoption of innovative, alternative pest control practices such as Integrated Pest Management (IPM). PESP is guided by the principle that partnership programs complement the standards and decisions established by regulatory and registration actions. The informed actions of pesticide users can further reduce the risks from pests and pesticides by playing a major role in ensuring human health and environmental safety.

Mosquitofish

The District assisted the CDFW with its population surveys for the desert pupfish, *Cyprinodon macularius*, in 2015 and did not find mosquitoes in areas where the pupfish were present. As such, the District collects data and maintains maps information based on existing protected species and their habitat and performs activities without disrupting those species.

Mosquitofish, *Gambusia affinis*, are the most commonly used biological control agent for mosquitoes in the world. Correct use of this fish can provide safe, effective, and persistent suppression of a variety of mosquito species in many types of mosquito sources.

The District uses mosquitofish in artificial habitats, neglected pools, ornamental fishponds and other habitats as allowed by regulation as a biological control of mosquitoes through direct predation of larvae (See **Figure 3.2-3: Mosquitofish Use in 2021**). In 2021, mosquitofish were stocked in neglected swimming pools, ornamental ponds, and water troughs. In 2021, the District stocked 2,231 mosquitofish (a 16 percent decrease; in 2020, 2,586 mosquitofish were stocked).

⁵⁰ <https://www.epa.gov/pesp>

The District does not plant mosquitofish in the following Desert Pupfish refugia ponds:

1. McCallum/Simone pond and Visitor center pond or any water course at the Thousand Palms Preserve, along Thousand Palms Canyon Drive.
2. The Seep pond, the Oasis pond or the Cienega (Sonoran) pond located at the Living Desert Zoological Gardens.
3. The small pond behind the Salton Sea State Park Headquarters.
4. Any pond or watercourse located at the Dos Palmas Preserve

As with all safe and effective control agents, the use of mosquitofish requires a good knowledge of operational techniques and ecological implications, careful evaluation of stocking sites, use of appropriate stocking methods, and regular monitoring of stocked fish. The District uses mosquitofish in accordance with CDFW regulations on private property to control mosquitoes.

The principal habitat characteristic that affects the successful use of mosquitofish is its relative stability. Mosquitofish usually are not effective in intermittently flooded areas unless a refuge impoundment is provided. Because of this, mosquitofish are more effective against mosquito breeding in permanent and semi-permanent water, such as *Culex spp.*, *Anopheles spp.*, and *Culiseta spp.*, than against floodwater species, like *Aedes spp.* and *Psorophora spp.*

The District has significantly reduced the number of mosquitofish used. Per CDFW guidance, the District only places mosquitofish on private property (i.e., abandoned pools, fountains and ponds). This has reduced the need for a CDFW permit.

Although the potential for impacts to a candidate, sensitive, or special status species is considered low, potential does exist where the inadvertent impacts could be potentially significant.

Mitigation Measures: The following mitigation measure have been identified to reduce potential significant impacts:

MM BIO-1: The movement of All Terrain Vehicles (ATVs) shall be guided by the ground crew to avoid any damage to wildlife, if present. The use of ATV's by the District shall not have a significant effect on the environment by limiting its activities to agricultural areas such as irrigated date gardens.

In the spring months on the west side of the Salton Sea, use of the ATV's shall be limited to existing dirt roads around the flooded areas of fishery ponds. The District staff shall use existing dirt roads around the fish farm ponds and shall enter only those open areas under the salt grass in the vicinity of the fish farm ponds. In the fall months the use of ATV's shall be limited to sites such as duck club ponds that are man-made.

MM BIO-2: The District shall use mosquitofish (*Gambusia affinis*) only in private man-made bodies of water for mosquito control – neglected pools.

MM BIO-3: The District shall not plant mosquitofish in the following Desert Pupfish refugia ponds:

- i. McCallum/Simone pond and Visitor center pond or any water course at the Thousand Palms Preserve, along Thousand Palms Canyon Drive.
- ii. The Seep pond, the Oasis pond or the Cienega (Sonoran) pond located at the Living Desert Zoological Gardens.
- iii. The small pond behind the Salton Sea State Park Headquarters.
- iv. Any pond or watercourse located at the Dos Palmas Preserve.

b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less Than Significant Impact.

Sensitive natural communities are those listed in the California Department of Fish and Wildlife due to the rarity of the community in the State or throughout its entire range.⁵¹ Natural communities are ranked based on a variety of values, most basic are the rarity of the community and the threat of removal. Sensitive natural communities are those that are especially rare and have a high threat of removal.

Surface Water Bodies in the Coachella Valley

The Whitewater River is the primary drainage course in the area, spanning the length of the Coachella Valley. The upper part of the river, in the San Gorgonio Wilderness, is dry throughout most of its length with the exception of its most westerly end, which quickly percolates into the groundwater basin or is diverted for use. The river is fed by several tributaries, including the San Gorgonio River, Mission Creek, Little and Big Morongo Creeks, and Box Canyon Wash.

The area west of the All American Canal is contained within the Salton Trough, a small section of the junction between the North American and Pacific tectonic plates. Roughly the northernmost quarter of the Salton Sea is located in the southern portion of the area and forms a good part of Eastern Coachella Valley's southern boundary, flowing into Imperial County to the south. The surface elevation of the sea is 227 feet below mean sea level, and the deepest area of the seas bed is only 5 feet higher than the lowest

51 California Department of Fish and Wildlife, "Natural Communities." <https://wildlife.ca.gov/Data/VegCAMP/Natural-Communities/Background>. Accessed May 2022.

point in Death Valley. The sea is home to large bird and fish populations, and is bordered by the Salton Sea State Recreation Area to the east.

The Whitewater River channel runs north to south through the area and empties into the Salton Sea. The Whitewater River is the primary drainage course in the area, spanning the length of the Coachella Valley, and has perennial flow in the north, becoming dry as water percolates the groundwater basin or is diverted for use. The river is fed by several tributaries, including the Box Canyon Wash. The channel also carries stormwater and agricultural runoff and supports some riparian vegetation and marsh habitat at the north end of the Salton Sea.

Pesticide Management Activities

The District does not conduct routine control activities within 18 designated CVMSHCP conservation areas as shown in **Figure 2.0-2**. The District conducts surveillance and control measures within the Coachella Valley Storm water Channel and Delta, and small residential communities found within the Thousand Palms and West Deception Conservation areas.

The District implemented a Pesticide Application Plan (PAP) in 2016.⁵² The PAP provides a description of all target areas, if different from the water body of the target area, in to which larvicides and adulticides are being planned to be applied or may be applied to control vectors. The description shall include adjacent areas, if different from the water body of the target areas. Larvicide and adulticide applications may occur anywhere in the specified region to bodies of water when deemed necessary by key mosquito and arbovirus surveillance indicators. The main waters of the U.S. that could be impacted by larvicide and adulticide applications are the Whitewater River/Storm Channel and the Salton Sea, as well as duck clubs which are flooded from October until February.

The District uses a variety of list of pesticides (both larvicides and adulticides) with active ingredients for larval or adult control (see **Table 3.2-1: List of Adulticide, Larvicide, Red Imported Fire Ant and Bee Control Products**). All of these products are used according to label directions and may be applied by ground (hand, truck, ATV, backpack, etc.) or by air (helicopter or fixed wing aircraft).

In 2021, the District made 227 applications of larval mosquito control products to duck clubs and Salton Sea marshes (44 sites) within the Coachella Valley Storm Larval Control Procedures and the District Recommended Rates. The District made 20 applications of adulticide products by aerial ULV and 3 applications by barrier methods to duck club and Salton Sea marshes to areas within and adjacent to the

52 CVMVCD, Pesticide Application Plan (2016), accessed June 2022, https://www.cvmosquito.org/sites/g/files/vyhlif4551/f/uploads/cvmvcdnpdespap2016_1.pdf.

Coachella Valley Storm Water Channel and Delta. Applications were conducted according to the District's mosquito-borne Surveillance and Emergency Response Plan using the District Recommended Rates. The District made 1 application for red imported fire ant (RIFA) control and 1 application for Aedes mosquito control (with 2 products for the mosquito control), both to separate private residences within a conservation area.

The District applies the appropriate larvicide and/or adulticide to target areas in the Service Area to any site that holds water for more than 96 hours (4 days) which can produce mosquitoes. Source reduction is the District's preferred solution, and whenever possible the District works with state, county, city, and private property owners to effect long-term solutions to reduce or eliminate the need for continued applications.

The typical sources treated by the District which can be classified as waters of the United States (WOTUS) include:⁵³

- **Freshwater swamps and marshes.** In the Coachella Valley, marshes (primarily duck clubs or managed wetlands) are drained and re-filled once to enhance the primary productivity of the habitat, and under certain circumstances, this can result in large populations of mosquitoes.
- **Whitewater River/Storm Channel.** The Whitewater River transects the entire length of the Coachella Valley. Most of the year, the river is dry and only has significant flow during the few rainstorms experienced during the winter months. Water flow does occur year-round from the city of Indio east to the Salton Sea, due to the treated sewage water discharge and agricultural runoff. This part of the Whitewater River runs year-round and does not breed mosquitoes. Very few treatments to the Storm Channel occur in the urban, dry sections, where water discharge from local homeowner associations creates stagnant pools that are prone to dense growths of bulrush and cattail.
- **Salt marshes.** In the Coachella Valley, the salt marshes along the Salton Sea can produce large numbers of *Cx. tarsalis* mosquitoes, negatively influencing the health, comfort and economy of residents and visitors in the area. Natural decrease of the Salton Sea level greatly reduced the *Cx. tarsalis* population in the area, but *Cx. tarsalis* can still rise to significant numbers during the spring and fall posing a serious public health threat.
- **Temporary standing water.** There are several species of mosquitoes that can breed in water that stands only one to two weeks. Such habitats include irrigation tail water as well as standing water in irrigated pastures and other agricultural habitats. Few mosquito species from three major genera are found in these sources, and during warm months and increased irrigation, pastures and other agricultural lands are enormous mosquito producers of *Aedes*, *Psorophora*, and *Culex* mosquitoes.

53 CVMVCD, Pesticide Application Plan, 2016.

- **Wastewater treatment facilities/Storm Water Retention Basins.** Aquatic sites in this category include a wide variety of ponds, ditches and other structures designed to handle wastewater of some kind. Included are sewage treatment ponds, wetlands managed for de-nitrification, and storm sewers systems.

The need to apply product is determined by surveillance. Actual use varies annually depending on mosquito abundance. This data is provided as an example of the active ingredients and the amounts used in one year. Other public health pesticides in addition to those listed below may be used as part of the agency's best management practices.

Beginning November 1, 2011, the Statewide National Pollutant Discharge Elimination System (NPDES) permit for Biological and Residual Pesticide Discharges to Waters of the United States from Vector Control Applications requires all vector control districts to monitor all waters of the United States sites where larvicide applications are made. Non-compliance with the NPDES permit can result in a fine or lawsuit from the State Waters Resource Control Board (SWRCB) and/or other organizations with a vested interest in water quality. Non-compliance can also result in a loss of the NPDES permit, resulting in an inability to treat waters of the United States and an increase in the mosquito population in the Coachella Valley.

The District holds two National Pollution Discharge Elimination System (NPDES) Permits (one for California waters and one for waters on tribal lands which are regulated by a Federal permit) to make applications of mosquito control products to waters of the United States. As part of the permits, the District must keep a log of all applications made to waters of the United States. The District will make a report annually to the State Water Resources Control Board and the Environmental Protection Agency of all treatments (larvicide and adulticide) made to waters of the United States.

Pursuant to the provisions stated in the National Pollutant Discharge Elimination System (NPDES) Permit (Water Quality Order No. 2016-0039-DWQ) [General Permit No. CAG 990004] adopted on March 1, 2016, by the State Water Resources Control Board, the District provides annual notice of its intends to continue to perform larvicide, ultra-low volume (ULV) adulticide, and barrier adulticide applications as part of the IVMP.⁵⁴ The NPDES Permit requirements for listing of the Public Health Pesticides anticipated to be used specify that any pesticide product can be used that contains approved active ingredients, provided all pesticide label restrictions and instructions are followed. In addition, pesticides which fall under the "minimum risk" category can be used. Larvicide products are designed to kill larval mosquitoes, and there are no specific water restrictions.

54 CVMVCD, NPDES Permit – Standard Operating Procedure, 2020.

Waters of the United States (WOTUS) (in respect to the Coachella Valley) can be generally defined as:

- Navigable waters.
- All natural lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, and sloughs.
- Waters used to support terrestrial or wetland ecosystems.
- Water bodies or sources that may directly drain into items 1 thru 3 defined above.

CVMVCD WOTUS sites are in general any source sites located within the Whitewater River Channel and Salton Sea marshes or directly drain into these sites. The following habitats/and sub-habitats currently in the District's mobile application may be listed as WOTUS sites. These include:

1. **Residential** – Sub-habitats that directly drain into the Whitewater River Channel
 - a. Channel
 - b. Drainage ditches
 - c. Catch basins/ Dry wells
2. **Agricultural** – Sub-habitats that directly drain into the Whitewater River Channel.
 - a. Channel
 - b. Drainage ditches
3. **Duck Club** – Sub-habitats that directly drain into the Whitewater River Channel
 - a. Duck ponds
 - b. Drainage ditches – draining to Whitewater Channel or Salton Sea
 - c. Desert flooding
4. **Salton Sea** – all sub-habitats

In riparian areas, the only Project activities with any potential for environmental impacts are the trimming of trees, shrubs, and bulrush to allow District staff access to areas in which the need to conduct surveillance and control measures. The only identified potential environmental impact of biological control in riparian zones is on sensitive species.

Vegetation management activities in riparian zones consist of pruning shrubs and trees to facilitate access for mosquito and mosquito habitat surveillance and control. The District does not conduct vegetation management in the Whitewater River. The District conducts its activities consistent with the requirements of the California Department of Fish and Game, the Regional Water Quality Control Board, the US Fish and Wildlife Service and the US Army Corps of Engineers. The District's practices are designed specifically to reduce potential impacts to riparian areas to less than significant levels.

The proposed changes to the District's IVMP would not result in any changes to ongoing vector management activities.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

c. Have a substantial adverse effect on federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Less Than Significant Impact.

Project activities in wetland habitats primarily include natural and created marshlands (salt, brackish, and fresh), and seasonal wetlands. In these areas, the only Project activities with any potential environmental impacts are ATV use, vegetation management for maintenance of access, and pesticide use. According to the USFWS Wetlands Mapper, there are a number of freshwater ponds due to the large agricultural areas in the County, a lake, and a portion of the Salton Sea within the boundaries of the District area.⁵⁵

Implementation of the proposed changes to the IVMP would not have a substantial adverse effect on federally protected wetlands, as defined by Section 404 of the Clean Water Act,⁵⁶ through direct removal, filling, hydrological interruption, or other means.

Some property owners in the eastern Coachella Valley operate duck hunting clubs in the winter.⁵⁷ Water confined to ponds on the property can breed mosquitoes, but mosquito activity typically decreases as the water ages. Breaks in levees and release of water to desert flooding sites create new mosquito breeding sites which can be difficult to treat. In order to reduce desert flooding, the District implemented a policy in 2015 for duck clubs where any water not confined in a pond or designated drainage ditch system would result in charges for mosquito control products used to treat those areas. The duck clubs' owners discussed their flooding plans and conducted conservation efforts which led to less mosquito production and fewer chemical treatments. In 2016, two clubs (Pintail and Tres Rios) did not flood, resulting in 51.7 acres of dry land. In 2017, five clubs did not flood

55 USFWS, Wetlands Mapper, <https://www.fws.gov/wetlands/data/mapper.html>. Accessed May 2022.

56 33 U.S.C. §1251 et seq., Clean Water Act, 1972.

57 CVMVCD, CVMVCD's EPA Pesticide Environmental Stewardship Program 2021 Report, March 8, 2022.

(Adohr's, Middle Farms, Northwind, Pintail, and Tres Rios) resulting in 205.43 acres of dry land. These clubs have continued to not intentionally flood, resulting in 186.49 acres of dry land.

In 2021, Blue Beyond Fisheries in Desert Hot Springs was served abatement papers and have reduced source sites and completed suggested sanitation measures.

The eastern half of the Coachella Valley is primarily agricultural and contains 70 miles of open channels that convey water from the subsurface tile drain system and storm water to the Salton Sea. Between scheduled maintenance, channels grow vegetation which may create places for mosquitoes to breed. The Coachella Valley Water District is the agency primarily responsible for maintaining these channels. In 2012, the District began working with Coachella Valley Water District (CVWD) to prioritize channel maintenance schedules. Seventeen channels have been cleared or restored since 2012, consisting of 155,450 linear feet and impacting 169.2 acres of potential breeding.

In 2020, a drainage area around the City of Cathedral City Library was cleared in partnership with the Department of Public Works. Work on this continued in 2021, and the drainage has improved. In 2021, Bighorn Country Club worked with a District employee to reduce sources in houses that are occupied seasonally. The property management has improved maintenance and access to reduce mosquito sources.

The District uses All-terrain vehicles (ATVs) within the marshes along the Salton Sea to deliver and apply chemical pesticides. In the marsh areas within the District's Service Area, surveillance is conducted primarily on foot, while control operations are carried out primarily by foot and secondarily by ATV or helicopter. Vegetation management in the marsh areas consists of the trimming of trees and bushes to facilitate access for mosquito surveillance and control. In addition to directly applying insecticides on marsh areas for the control of larval mosquitoes, the District also sprays other pesticides for the control of adult mosquitoes in areas adjacent to wetlands, which might cause pesticide drift onto some wetlands. The District's routinely low application intensity, strict compliance with label criteria, and substantial research on non-target effects of the materials used operationally by the District, insure that no impacts result from chemical control.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less Than Significant Impact.

Habitat connectivity is an essential aspect of viable habitat conservation and wildlife management. Habitat connectivity is accomplished by establishing habitat linkages and wildlife movement corridors that connect fragmented pieces of habitat. This allows for the movement of wildlife, a place for new vegetation to recolonize, and diversifies the plant and wildlife gene pools across areas of available habitat.

Since the changes to the IVMP do not propose any permanent structures. Ground application of pesticides by ATV/OHV would only occur on marked roads when in rural areas or within agricultural lands and would not disrupt existing wildlife.

Impacts to wildlife movement would be less than significant.

Mitigation Measures: No mitigation is required.

e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.

No Impact.

The proposed changes to the IVMP would not remove or disturb any local trees or other biological resources.

No impact would occur.

Mitigation Measures: No mitigation is required.

f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

Less Than Significant Impact.

The Coachella Valley Multiple Species Conservation Plan and Habitat Conservation Plan/Natural Community Conservation Plan (CVMSHCP) addresses numerous species in the Coachella Valley.⁵⁸

- The goal of the Coachella Valley MSHCP is to preserve the natural ecosystems and biological diversity on a regional scale in Coachella Valley. Local developments must pay a local development mitigation fee prior to the issuance of a building permit. The fee is used to mitigate the impacts of new development, for the purchase of land, and perpetual conservation.

In addition to the CVMSHCP, the Agua Caliente Band of Cahuilla Indians maintain and implement the Tribal Habitat Conservation Plan (Tribal HCP):⁵⁹

- The Tribal HCP protects and manages natural resources and habitat within the Tribe's jurisdictional territory. Its primary conservation mechanisms include creation of a Habitat Preserve; adoption of avoidance, minimization, and mitigation measures to enhance the habitats and survivability of Covered species; and payment of a mitigation fee that funds Tribal acquisition and management of replacement habitat. It has not yet been approved by the USFWS.

The District is not a participant in the Coachella Valley MSHCP and Tribal HCP programs.

The District does not conduct routine control activities within 18 designated CVMSHCP conservation areas. Implementation of the proposed changes to the IVMP would be consistent with the Coachella Valley Multiple Species Habitat Conservation Plan and Tribal Habitat Conservation Plan, the Riverside County General Plan's Conservation Element, and California and City General Plans in the Service Area.

The Project's impact on biological resources would be less than significant, and there would be no conflict with the Coachella Valley MSHCP and Tribal HCP.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

58 Southern California Association of Governments. SCAG GIS Open Data Portal. Natural Community Conservation Plan and Habitat Conservation Plan (NCCP & HCP). <https://gisdata-scag.opendata.arcgis.com/datasets/natural-community-conservation-plan-nccp/explore?location=34.320967%2C-116.670397%2C8.71>. Accessed May 2022.

59 Agua Caliente Band of Cahuilla Indians, Tribal Habitat Conservation Plan, <https://www.aguacaliente.org/documents/planning-department/THCPAugust2010.pdf>. Accessed May 2022.

5.5 CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
CULTURAL RESOURCES—Would the project:				
a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following changes to the IVMP would affect agriculture resources:

- **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).
- **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.

Discussion

a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?

No Impact.

CEQA Guidelines section 15064.5(a) defines a “historical resource” as a resource listed or determined to be eligible for listing by the State Historical Resources Commission, a local register of historical resources, or the lead agency. Generally, a resource is considered “historically significant” if it meets one of the following criteria:

- Is associated with events that have made a significant contribution to the broad patterns of California’s history and cultural heritage;
- Is associated with the lives of persons important in our past;
- Embodies the distinctive characteristics of a type, period, region, method of construction, or represents the work of an important creative individual, or possesses high artistic values;
- Has yielded, or may be likely to yield, information important in prehistory or history.

Implementation of the changes to the IVMP would not have any impact on historic resources, as the Project's activities generally occur on marked trails and existing roadways, in agricultural or developed areas.

No impact would occur.

Mitigation Measures: *No mitigation is required.*

b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

No Impact.

According to the Riverside County General Plan EIR, the District boundaries and Project activities are within some archaeologically sensitive areas.⁶⁰ However, Project activities would not have any impact on archaeological or paleontological resources, as the Project's activities generally occur on marked trails and existing roadways, in agricultural or developed areas. Further, Project activities do not disturb the ground surface, and therefore cannot disturb buried archaeological resources.

No impacts to archaeological resources would occur.

Mitigation Measures: *No mitigation is required.*

c. Disturb any human remains, including those interred outside of formal cemeteries

Less Than Significant Impact.

A significant impact would occur if previously interred human remains would be disturbed during excavation.

As stated previously, Project activities generally occur within designed roadways, marked trails, urban areas, or agricultural lands. These activities do not disturb the ground surface, and therefore would not disturb buried cultural resources.

60 County of Riverside, General Plan EIR, Cultural Resources Element, accessed May 2022, <https://planning.rctlma.org/General-Plan-Zoning/General-Plan/Riverside-County-General-Plan-2015/General-Plan-Amendment-No960-EIR-No521-CAP-February-2015>.

In the unlikely event that earth-disturbing activities conducted by the District identifies undiscovered human remains, the District will comply with Government Code Sections 27460 et seq.⁶¹, Section 27491, and Public Resources Code (PRC) Section 5097.98.⁶² These regulations would require earthmoving activities to halt until the Riverside County Coroner can determine whether the remains are subject to the provisions of Section 27491 or any other related provisions of law. The required recommendations concerning the treatment and disposition of the human remains would be subject to the person responsible for the excavation, or to his or her authorized representative.

Additionally, pursuant to California Health and Safety Code Section 7050.5⁶³, the coroner shall make a determination within two working days of notification of the discovery of the human remains. If the coroner determines that the remains are not subject to his or her authority and recognizes, or has reason to believe, that they are those of a Native American, he or she shall contact the Native American Heritage Commission by telephone within 24 hours. The District will comply with existing regulations and potential impact related to the accidental discovery of human remains.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

61 California Government Code, Title 3, Division 2, Ch. 10, Sections 27460-27530.

62 Public Resources Code, Division 5, Ch. 1.75, Section 5097.98.

63 California Health and Safety Code, Division 7, Part 1, Ch. 2, Section 7050.5.

5.6 ENERGY

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following changes to the IVMP would affect energy:

- **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).
- **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.

Discussion

a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less than Significant Impact.

The proposed changes to the IVMP would not require substantial consumption of energy resources such as electricity, natural gas, or petroleum. Activities requiring transportation via passenger car, ATV/UTV, and helicopter would consume limited amounts of petroleum-based fuel. Fuel consumption generated by the proposed changes to the IVMP may vary compared to the 2011 MND depending on the increased number of helicopter trips and reduced ATV/UTV usage. However, fuel consumption would remain negligible. As such, the proposed changes to the IVMP would not result in the wasteful, inefficient, or unnecessary consumption of energy, and thus would not generate impacts with regard to energy use and consumption.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

b. Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

Less than Significant Impact.

As discussed above, the proposed changes to the IVMP would not require a substantial increase in the consumption of energy resources such as electricity, natural gas, or petroleum. Therefore, the proposed changes to the IVMP would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency.

Impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

5.7 GEOLOGY AND SOILS

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
GEOLOGY AND SOILS—Would the project:				
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning map, issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii. Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii. Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv. Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Directly or indirectly destroy a unique paleontological resource or site unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

None of the proposed changes to the IVMP would have an effect on geologic resources or soils.

Discussion

- a. **Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:**
 - i. **Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.**

No Impact.

The District's Service Area is located within the Coachella Valley and Riverside County, which is one of the most seismically active regions in the State.⁶⁴ The Project would not construct any permanent buildings which might be subject to seismic events. Therefore, no damage to structures would occur with Project implementation.

No impacts would occur.

Mitigation Measures: No mitigation is required.

ii. Strong seismic ground shaking?

No Impact.

The Project does not propose the construction of any permanent buildings and as such, would not expose occupants to geologically hazardous areas.

No impacts would occur.

Mitigation Measures: No mitigation is required.

iii. Seismic-related ground failure, including liquefaction?

No Impact.

No structures are proposed and therefore no seismic-related ground failure would occur.

64 County of Riverside, General Plan, Safety Element, accessed May 2022, <https://planning.rctlma.org/General-Plan-Zoning/General-Plan>.

No impact would occur.

Mitigation Measures: *No mitigation is required.*

iv. Landslides?

No Impact.

Liquefaction refers to loose, saturated sand or gravel deposits that lose their load-supporting capability when subjected to intense shaking.

As the Project would not construct any permanent buildings, there would be no significant impact related to landslides.

No impacts would occur.

Mitigation Measures: *No mitigation is required.*

b. Result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact.

Erosion is the movement of rock fragments and soil from one place to another. Precipitation, running water, waves, and wind are all agents of erosion. Erosion typically occurs on steep slopes where storm water and high winds can carry topsoil down hillsides.

Vector control activities are conducted at a wide variety of sites throughout the District's Service Area. These sites can be roughly divided into: (1) those where activities may have an effect on the natural environment either directly or indirectly, and (2) sites where the potential environmental impacts are negligible ("Non-Environmental Sites"). Examples of "Environmental Sites" in the Service Area include marshes, diked marshes, ponds within duck clubs, storm water detention basins, flood control channels, street drains and gutters, wash drains, or roadside ditches. Examples of "Non-Environmental Sites" include animal troughs, artificial containers, tire piles, fountains, ornamental fishponds, swimming pools, animal waste detention ponds, and non-natural harborage (such as wood piles, residential and commercial landscape, trash receptacles, etc.).

The proposed changes to the IVMP include using ground application of pesticides within areas of the District boundaries, and the removal of standing water bodies that could serve as mosquito breeding areas. In 2021, the District made 20 applications of adulticide products by aerial ULV to duck club and

Salton Sea marshes, as well as to areas within and adjacent to the Coachella Valley Storm Water Channel and Delta.

The District applies the appropriate larvicide and/or adulticide to target areas in the Service Area to any site that holds water for more than 96 hours (4 days), which can produce mosquitoes. Source reduction is the District's preferred solution, and whenever possible the District works with State, county, city, and private property owners to effect long-term solutions to reduce or eliminate the need for continued applications.

The typical sources treated by the District which can be classified as waters of the United States (WOTUS) include:⁶⁵

- **Freshwater swamps and marshes.** In the Coachella Valley, marshes (primarily duck clubs or managed wetlands) are drained and re-filled once to enhance the primary productivity of the habitat. Under certain circumstances, this can result in large populations of mosquitoes.
- **Whitewater River/Storm Channel.** The Whitewater River transects the entire length of the Coachella Valley. Most of the year, the river is dry and only has significant flow during the few rainstorms experienced during the winter months. Water flow does occur year-round from the city of Indio, east to the Salton Sea, due to the treated sewage water discharge and agricultural runoff. This part of the Whitewater River runs year-round and does not breed mosquitoes. Very few treatments to the Storm Channel occur in the urban, dry sections, where water discharge from local homeowner associations creates stagnant pools that are prone to dense growths of bulrush and cattail.
- **Salt marshes.** In the Coachella Valley, the salt marshes along the Salton Sea can produce large numbers of *Cx. tarsalis* mosquitoes, negatively influencing the health, comfort, and economy of residents and visitors in the area. Natural decrease of the Salton Sea level greatly reduced the *Cx. tarsalis* population in the area, but *Cx. tarsalis* can still rise to significant numbers during the spring and fall posing a serious public health threat.
- **Temporary standing water.** There are several species of mosquitoes that can breed in water that stands only one to two weeks. Such habitats include irrigation tail water as well as standing water in irrigated pastures and other agricultural habitats. Few mosquito species from three major genera are found in these sources, and during warm months and increased irrigation, pastures and other agricultural lands are enormous mosquito producers of *Aedes*, *Psorophora*, and *Culex* mosquitoes.
- **Wastewater treatment facilities/Storm Water Retention Basins.** Aquatic sites in this category include a wide variety of ponds, ditches, and other structures designed to handle wastewater of some kind. Included are sewage treatment ponds, wetlands managed for de-nitrification, and storm sewers systems.

65 CVMVCD, Pesticide Application Plan, 2016.

The need to apply product is determined by surveillance. Actual use varies annually depending on mosquito abundance. The pesticide amounts used change from year to year due to annual variability in required pesticide applications for mosquito control.

In 2021, the District made 227 applications of larval mosquito control products to duck clubs and Salton Sea marshes (44 sites) within the Coachella Valley Storm Larval Control Procedures and the District Recommended Rates. The District made 20 applications of adulticide products by aerial ULV and 3 applications by barrier methods to duck club and Salton Sea marshes to areas within and adjacent to the Coachella Valley Storm Water Channel and Delta. Applications were conducted according to the District's mosquito-borne Surveillance and Emergency Response Plan using the District Recommended Rates. The District made 1 application for red imported fire ant (RIFA) control and 1 application for *Aedes* mosquito control (with 2 products for the mosquito control), both to separate private residences within a conservation area.

The Project would not result in substantial soil erosion since the ATVs used by the District use low pressure tires with soft treads and a ground loading pressure well under 2 psi. Operators of ATVs would also use existing trails, often in areas close to water which serves to stabilize soil and lessen erosion potential or travel across natural areas in an infrequent and short-term manner. There would be no repeated, frequent ground disturbance during use.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

No Impact.

As previously mentioned, the Project would not propose construction of any permanent buildings. Thus, the Project would not be susceptible to landslides and the overall risk of landslides is low.

Subsidence typically occurs where groundwater or natural gas is extracted. Since no permanent structures are proposed, no impact would occur.

The phenomenon of liquefaction generally occurs when loose, unconsolidated, saturated, sandy soils are subjected to ground vibrations during a seismic event. As mentioned above, no permanent structures are proposed.

No impacts would occur.

Mitigation Measures: No mitigation measures are required.

d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

No Impact.

Expansive soils contain clay particles that have the ability to give up water (shrink) or take on water (swell). When these soils swell, the change in volume can exert pressures that are placed on them, and structural distress and damage to buildings can occur.

The proposed changes to the IVMP would not construct any permanent buildings.

No impacts would occur.

Mitigation Measures: No mitigation is required.

e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of waste water?

No Impact.

The proposed changes to the IVMP would not require the installation of a septic tank or any alternative wastewater disposal system.

No impacts would occur.

Mitigation Measures: No mitigation is required.

f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

No Impact.

The Project would not impact paleontological resources as Project activities would generally occur on marked trails and existing roadways, in agricultural or developed areas. Further, Project activities would not disturb the ground surface, and therefore would not disturb buried paleontological resources.

No impacts would occur.

Mitigation Measures: No mitigation is required.

5.8 GREENHOUSE GAS EMISSIONS

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
GREENHOUSE GAS EMISSIONS – Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The following changes to the IVMP would affect greenhouse gas emissions:

- a) **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).
- b) **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.

Discussion

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less than Significant Impact.

As discussed under Air Quality, the proposed changes to the IVMP will generate minimal transportation-related emissions from passenger cars, ATV/UTV's, and helicopters. This would result in small quantities of GHG emissions which are not expected to impact the region. GHG emissions generated by the proposed changes to the IVMP may vary compared to the 2011 MND depending on the increased number of helicopter trips and reduced ATV/UTV usage. However, GHG emissions would remain negligible.

As such, the proposed changes to the IVMP would have a less than significant impact on GHG emissions.

Mitigation Measures: No mitigation is required.

b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

No Impact.

As the GHG emissions would be minimal, the proposed changes to the IVMP would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

No impacts would occur.

Mitigation Measures: No mitigation is required.

5.9 HAZARDS AND HAZARDOUS MATERIALS

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
HAZARDS AND HAZARDOUS MATERIALS – Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code § 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The following changes to the IVMP would affect agriculture resources:

- **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).
- **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.

- **Changes in the type of pesticides used.** The District plans to use malathion (an organophosphate adult pesticide) in instances of high risk for virus transmission. Potential use of new products in the next 5 years to address new product for adult mosquito control. In addition, the District is considering the use and application of Bti (larvicide) for mosquito larvae. This product is the preferred one by US Fish and Wildlife Service when in areas near Casey's June beetle.

Discussion

a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact.

As listed above in **Section 5.3 Air Quality, Table 5.3-1**, the District is approved to use a number of EPA listed pesticides including larvicides and adulticides in order to conduct vector *management* practices.

The pesticides used by the District are considered safe when handled and used in accordance with product label guidelines. The District does not use Category 1 or Category 2 pesticides, except for the Organic Materials Review Institute (OMRI) listed M-pede (a natural, soft, insecticide, miticide, and fungicide that provides excellent contact control of various soft bodied insects, mites, and powdery mildew throughout their life cycles)⁶⁶ which is infrequently used for bee control and is very similar to soap. The pesticides that are routinely used by the District have very low acute toxicities, and very low chronic toxicity at the concentrations and volumes transported and applied by the District.

In addition to this, the volumes of pesticides transported or used by the District are small. Bulk deliveries of pesticides to the District occur 4 times per year, and are always carried by haulers certified by the U.S. Department of Transportation (USDOT) for the materials they are transporting. The District does not transport large volumes of pesticides in its own vehicles. All District vehicles that transport or apply pesticides are equipped with all equipment and supplies needed to contain the largest possible spill from that vehicle. All District vehicles are maintained in good condition by a full-time mechanic working in a fully equipped shop.

As previously stated, Project activities have no impact on air operations, and although they may occur on or near airport lands, these occurrences are temporary and infrequent. District staff operates on regional and local roadways, but District activities have no impact on these roadways, and therefore have no impact on emergency response or evacuation routes.

66 CVMVCD, Public Health Pesticides, accessed June 2022, <https://www.cvmosquito.org/sites/g/files/vyhlif4551/f/uploads/mpedelabel.pdf>. OMRI restricts the use of this chemical to preventative, mechanical, physical, and other pest, weed, and disease management practices.

All District vector control technicians that handle pesticides are certified by the California Department of Public Health (DPH) as Pesticide Applicator, and are required to complete annual pesticide safety training, including pesticide spill drills, offered by the District. The District and its personnel are routinely inspected by the Riverside County Agricultural Commissioner's office to verify that all equipment is calibrated and functioning properly and to assure adequate staff training and knowledge concerning the proper use and handling of all pesticides used by the District.

Minimizing the hazards of mosquito-borne disease depends on effective mosquito control, which can include the use of chemical insecticides. The District staff is trained in the application of pesticides within label guidelines, to assure that there is no significant hazard to the public.⁶⁷ The Pesticide Registration Branch of the DPR is responsible for product registration and coordinates the required evaluation process among DPR branches and other state agencies. A pesticide must be registered (licensed) with the state before it can be used, possessed, or offered for sale in California. The branch serves as primary liaison to registrants. It prepares public notices and corresponds with registrants regarding data requirements, determinations of the health effects of pesticides, and final actions on registrations.

All pesticides are classified as "hazardous materials" by the State of California, regardless of their acute toxicity. Therefore, routine Project activities do pose a risk of release of hazardous materials through accidental releases. Risks are reduced through the following Health and Safety protocols adhered to by the District would ensure that these risks would not be significant.

- **District Staff.** Employees are expected to report issues to their supervisor, the Safety Officer, or to the Human Resources Manager. The appropriate department manager is responsible to investigate the issue with the Safety Officer and the HR Manager to determine what corrective action can be taken to prevent any further issues.

Employees who are making applications of adult mosquito control products are evaluated to ensure that they can wear respirators. Employees are trained annually on how to use and clean their respirator and are fit-tested (checked that the respirator fits correctly and is protecting the user).

- **Nuisances.** The District makes an effort to discuss concerns about odor and noise with respect to District activities with affected residents. Adjustments can be made to applications if odor or noise becomes an issue for nearby residents.
- **Pesticide Handling and Storage.** Pesticides are kept in their original packaging as much as possible. When a smaller or different container is needed, pesticides are to be labeled with the name of the pesticide, the EPA registration number; the ingredients; the signal word; the phrase "Keep Out of Reach of Children," and the name, phone number, and address of the District.

67 California Department of Pesticide Regulation, Pesticide Registration, accessed June 2022, <https://www.cdpr.ca.gov/docs/registration/regmenu.htm>.

When in the field, employees are expected to keep pesticides locked in a lock box of their vehicle or to keep within eyesight of the vehicle. Keeping pesticides in a lock box is the primary method of storing pesticides during an employee's workday.

Longer term storage is on-site in a temperature-controlled room. The rooms are kept locked and signs posted indicate the area is pesticide storage.

- **Safety Application and Training.** The following trainings for the application of pesticides are required:
 - N-Series - Annual Pesticide Handler Safety Training
 - Labels and Safety Data Sheets
 - Control Product Use and Selection
 - Resistance Management and Product Rotation
 - Respirator Use and Fit
 - Listed Species, CEQA, and NPDES
 - Safe Pesticide Handling and Personal Protective Equipment
 - Spill Prevention and Clean-up
 - Recognizing and Preventing Heat Stress
 - Annual calibration of equipment
- **Public Noticing and Other Applications.** Though not required, the District posts signs and provides notice of applications as much as possible while not delaying the applications. For routine larvicide applications, annual notice to government agencies is provided through the NPDES Notice of Intent letter as required by the CA NPDES Permit.

For larvicide applications to large areas (by truck) and adulticide ULV applications, the District reaches out through a variety of methods including – postcards, signs at intersections and HOAs, door hangers, email, and social media. Additionally, the District conducts press releases for virus activity and known adult control response within the Coachella Valley.

Application activity is also posted to the District's website.

Additionally, the District receives annual approval for inspection and abatement when there is probable cause to believe that neglected man-made pools or other stagnant sources of water on private property is a potential breeding source of mosquitos that can transmit viruses.⁶⁸ With this approval, the District can only enter the outside of a privately owned property in order to rectify any found potential breeding source. This reduces the potential for unchecked mosquito breeding grounds when used in emergency circumstances.

68 CVMVCD, Vector Control Publications, accessed June 2022, Warrant to Inspect and Abate | Coachella Valley Mosquito & Vector Control District (cvmosquito.org).

By adhering to these policies, the District would be complying with federal, State, and local laws and regulations regarding the transport, use, and storage of the hazardous materials. Applicable laws and regulations would ensure that risks associated with hazardous materials would be insignificant, including the following:

- Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA);⁶⁹
- Federal hazardous material handling requirements;
 - Title 29, *Hazardous Materials*;⁷⁰
 - Title 49, Chapter I, *Pipeline and Hazardous Materials Safety*;⁷¹ and
- Hazardous Materials Transportation Act requirements as imposed by the USDOT, CalOSHA, CalEPA and DTSC.⁷²

Additionally, certain activities would require compliance with the National Pollution Discharge Elimination System (NPDES) issued, and enforced, by the Colorado River Basin RWQCB.⁷³

Compliance with applicable laws and regulations governing hazardous materials would ensure that all potentially-hazardous materials are used and handled in an appropriate manner which would minimize significant hazards to the public or the environment through the routine transport, use, or disposal of hazardous materials.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

69 The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), 7 U.S.C., §136 et seq. (1996)

70 Code of Federal Regulations (CFR), Title 29, Subpart H. Hazardous Materials, <https://www.ecfr.gov/current/title-29/subtitle-B/chapter-XVII/part-1910/subpart-H?toc=1>. Accessed May 2022.

71 Code of Federal Regulations (CFR), Title 49, Chapter I, Pipeline and Hazardous Materials Safety, Department of Transportation. <https://www.ecfr.gov/current/title-49/subtitle-B/chapter-I>. Accessed May 2022.

72 Hazardous Materials Transportation Act of 1975, <https://archive.epa.gov/emergencies/content/lawsregs/web/html/hmtaover.html>. Accessed March 2022

73 California Water Boards, State Water Resources Control Board, Construction Stormwater General Permits, 2009-0009-DWQ Construction General Permit, https://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.html. Accessed March 2022.

b. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less Than Significant Impacts.

As part of the changes to the IVMP, the District is proposing ground application of pesticides including modified application routines increasing aerial applications would be implemented.

The District would add fly over applications of pesticides by helicopter as a preventive measure for vector management and control. In previous years, the District has made few pesticide treatments by helicopter.

Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).

These aerial helicopter applications are completed by contracted services and in compliance permits from the FAA and monitored by Riverside County Department of Agriculture. Currently, the District has an aerial applications contract with Salton Sea Aerial Service, Inc. and with Ocean Air Helicopters, Inc., to conduct adulticide or larvicide applications.

As indicated in the District FAA approved Congested Area Plan (CAP), if daytime applications are deemed necessary, significant additional public and official notifications will be implemented prior to the applications.⁷⁴ Additionally, application conditions stated in the CAP prohibit product dispensing when wind speeds are greater than 10 mph in order to reduce pesticides from reaching areas not within the controlled boundaries needed for vector management.

The application of control products by air in inaccessible areas such as the Salton Sea marsh habitats and where large applications are required, as in duck club habitats. The wetland marshes are often applied by helicopter rather than truck-mounted equipment because of accessibility and time-saving benefits. Evaluations of these applications have indicated that the District is more efficiently reducing the mosquito population through these aerial applications instead of through truck applications. The need for this approach to mosquito treatments will continue in the future. In addition, helicopter service provided by Salton Sea Air Service, Inc., can also apply larvicide and adulticide products to all urban areas of the

74 Letter correspondence between FAA and CVMVCD, dated June 16, 2021. (See **Appendix C**).

Coachella valley, if it becomes necessary based on arbovirus indicators and for the control of urban mosquito vectors.

In 2021, the District made 20 applications of adulticide products by aerial ULV to duck club and Salton Sea marshes, as well as to areas within and adjacent to the Coachella Valley Storm Water Channel and Delta. **Appendix A, CVMVCD Adulticiding Record 2021: Aerial Applications**, lists the aerial application completed in 2021.

The District would be complying with federal, State, and local laws and regulations regarding the transport, use, and storage of the hazardous materials. The District staff is trained in the application of pesticides within label guidelines, to assure that there is no significant hazard to the public (Cal. Dept. of Pesticide Registration). Applicable laws and regulations would ensure that risks associated with hazardous materials would be insignificant.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

c. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less Than Significant Impact.

The use and handling of hazardous materials would be in accordance with regulatory standards and protocols previously discussed under Threshold 5.9.c above. Hazardous materials would not be used in such quantities or stored in such a manner that would pose a safety hazard.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

d. Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code § 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact.

The District boundaries contain ten cities within the Coachella Valley. There are numerous sites listed as hazardous within the District boundaries.⁷⁵ However, the Project would mostly be focused in areas where vectors would be concentrated such as swamps, marshes, or areas of standing water.

As stated previously, Project activities would require the use and handling of hazardous materials and would be conducted in accordance with regulatory standards and protocols discussed above. The proposed activities implemented by the Project would not create a release or affect existing hazardous waste sites listed under Government Code § 65962.5.

No impacts would occur.

Mitigation Measures: No mitigation is required.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

Less than Significant Impact.

There are public airports within the District.

According to the Riverside County Mapping Portal, the District Boundaries encompass the Chiriaco Summit Airport, the Jacqueline Cochran Regional Airport, Bermuda Dunes Airport, and Palm Springs International Airport.⁷⁶ Although the airports themselves are not located on sites that will need extensive routine mosquito surveillance or control, the District could undertake pesticide applications within and around these sites, due to proximity to marsh and seasonal wetland habitats and to human settlements.

⁷⁵ DTSC Envirostor, accessed June 2022, <https://www.envirostor.dtsc.ca.gov/public/>.

⁷⁶ Riverside County Information Technology GIS, Riverside County Airport Influence Areas, accessed June 2022, <https://gisopendata-countyofriverside.opendata.arcgis.com/datasets/CountyofRiverside::airport-influence-areas/explore?location=33.771073%2C-116.173250%2C8.90>.

Project activities would require the use and handling of hazardous materials and would be conducted in accordance with regulatory standards and protocols discussed above.

Helicopters used to make applications would operate within the District Service Area. Currently, the District has aerial application contracts with Salton Sea Aerial Service, Inc. and with Ocean Air Helicopters, Inc. These contractors would perform normal operations from the existing airports listed above under FAA approval. As such, the proposed changes to the IVMP would not increase exposure of people residing near these airports to increased noise levels. The proposed activities implemented by the Project would not result in a safety hazard for people residing or working in the District's Service Area.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

f. Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

No Impact.

The proposed changes to the IVMP would be limited and short-term in practice. As such, the proposed changes to the IVMP would not impair implementation of, or physically interfere with, an adopted emergency response plan or evacuation plan.

No impacts would occur.

Mitigation Measures: No mitigation is required.

g. Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

No Impact.

The District's Service Area lies mainly within a Non-Fire Hazard Severity Zone (FHSZ).⁷⁷ Additionally, the Project would not construct any permanent buildings which may house occupants. Therefore, the proposed changes to the IVMP would not expose people or structures to wildland fires.

77 CalFire, Dept. of Forestry and Fire Protection's Fire and Resource Assessment Program (FRAP), <https://egis.fire.ca.gov/FHSZ/>. Accessed February 2022.

No impacts would occur.

Mitigation Measures: No mitigation measures are required.

5.10 HYDROLOGY AND WATER QUALITY

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
HYDROLOGY AND WATER QUALITY – Would the project:				
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:				
i. Result in substantial erosion or siltation on or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv. Impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following changes to the IVMP would affect agriculture resources:

- **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.
- **Changes in the type of pesticides used.** The District plans to use malathion (an organophosphate adult pesticide) in instances of high risk for virus transmission. Potential use of new products in the next 5 years to address new product for adult mosquito control. In addition, the District is considering the use and application of Bti (larvicide) for mosquito larvae. This product is the preferred one by US Fish and Wildlife Service when in areas near Casey's June beetle.

Discussion

a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?

Less Than Significant Impact.

The District's Service Area is in the jurisdiction of the Colorado River Basin Regional Water Quality Control Board (CRBRWQCB).

The District maintains a Notice of Intent (NOI)⁷⁸ to apply aquatic larvacides and adulticides for vector control as part of the District's IVMP. Pursuant to the provisions stated in the National Pollutant Discharge Elimination System (NPDES) Permit (Water Quality Order No. 2016-0039-DWQ) [General Permit No. CAG 990004] adopted on March 1, 2016, by the State Water Resources Control Board, the provides that the District to continue to perform larvicide, ultra-low volume (ULV) adulticide, and barrier adulticide applications as part of its Integrated Vector Management Program.

The current notification covers District control measures from January 1 to December 31, 2022, as needed for the suppression of vector populations and arbovirus transmission when non-chemical strategies aren't feasible. The permit itself expired June 30, 2021, and the District has been advised that the terms of the permit remain in effect until a new permit is adopted. Each year the District will update interested agencies regarding the control products being used within the District's boundaries.

The following conditions are details in the NOI:

Application Locations and Application Types

Application of mosquito control products will be made throughout the Coachella Valley Mosquito and Vector Control District (see District Map; Attachment A) by:

- Ultra-Low Volume (ULV) and barrier adulticide applications
- Larviciding applications

Applications are made based on key vector and arbovirus surveillance indicators. All pesticide labeling requirements are complied with during application of vector control products.

78 Coachella Valley Mosquito and Vector Control District Notice of Intent to apply aquatic larvacides and adulticides for vector control as part of the District's Integrated Vector Management program. December 11, 2021.

Vector Control Products

The NPDES Permit requirements for listing of the Public Health Pesticides anticipated to be used specify that any pesticide product can be used that contains approved active ingredients, provided all pesticide label restrictions and instructions are followed. In addition, pesticides which fall under the “minimum risk” category can be used. The minimum risk pesticides have been exempted from FIFRA requirements. The following tables list the active ingredients approved for the FIFRA-regulated pesticides.

Larvicide products are designed to kill larval mosquitoes, and there are no specific water restrictions. Technicians wear appropriate personal protective equipment as required by the pesticide label. Adulticide products are designed to kill adult mosquitoes. While mixing and working with the concentrated amounts of the product, the technicians wear the personal protective equipment as required by the label. The District recommends that during the application of adulticides, residents and pets in the immediate vicinity of treatment should remain indoors with the windows closed during the treatment. The District has posted copies of the labels and the Safety Data Sheets (SDS) on its website (www.cvmosquito.org) for your convenience.

The activities under the IVMP occur in urbanized areas, with minor activity occurring in riparian and other natural areas, as described in **Section 5.4 Biological Resources**. The hydrology of these areas has been significantly impacted by urban development.

The cities and the County of Riverside within the District’s Services Area manage storm flows in a similar fashion and conform to the requirements of the National Pollution Discharge Elimination System (NPDES) (Water Quality Order No. 2016-0039-DWQ) [General Permit No. CAG 990004], which provides strict controls for the control of pollutants in surface waters. The District would comply with the applicable requirements of the NPDES permit.⁷⁹

The District does not carry out any physical control work in natural areas. Physical Control work means physically controlled alterations to the environment that cause an area to hold water that is breeding mosquitoes. Examples of physical control for riparian or marsh land would be draining the marsh, making ditches to increase water movement, removing vegetation etc. All of these physical alterations to the aquatic habitat could decrease the likelihood of mosquito breeding. The District does not perform these activities in natural areas.

79 U.S. Environmental Protection Agency, Water: Permitting (NPDES), <https://www.epa.gov/npdes>. Accessed February 2022.

The majority of applications (for larvae control) are of aquatic larvicides labeled for application to water. Adulticides, if used are extremely low volumes. Barrier treatments are used in rural habitat 5-7 times per year away from the Whitewater River. With average annual rainfall being minimal for the Coachella Valley, the chance of a rain event coinciding with application is extremely unlikely.

Additionally, Project activities do not require the use of groundwater. Further, the District does not apply pesticides or other chemicals in private or public wells.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

b. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that the project may impede substantial groundwater management of the basin?

No Impact.

The Whitewater River channel runs north to south through the area and empties into the Salton Sea. The Whitewater River is the primary drainage course in the area, spanning the length of the Coachella Valley, and has perennial flow in the north, becoming dry as water percolates the groundwater basin or is diverted for use. The River is fed by several tributaries, including the Box Canyon Wash. The channel also carries stormwater and agricultural runoff and supports some riparian vegetation and marsh habitat at the north end of the Salton Sea.

The western portion of Coachella Valley area is predominantly a desert and mountainous region containing a number of significant natural open space features. The Whitewater River is the primary drainage course in the area, spanning the length of the Coachella Valley. The upper part of the river, in the San Geronio Wilderness, is dry throughout most of its length with the exception of its most westerly end, which quickly percolates into the groundwater basin or is diverted for use. The river is fed by several tributaries, including the San Geronio River, Mission Creek, Little and Big Morongo Creeks, and Box Canyon Wash.

Project activities do not require the use of groundwater and would not deplete existing sources of groundwater.

There would be no impacts to groundwater supplies and recharge.

Mitigation Measures: No mitigation is required.

c. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:

i. result in substantial erosion or siltation on or off site;

No Impacts.

The Project does not involve any dredging or vegetation removal activities, with the exception of minor brush cutting along existing thoroughfares. Furthermore, the activities proposed by the Project would not alter existing drainage patterns.

No impacts would occur.

Mitigation Measures: No mitigation measures required.

ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

No Impact.

Project activities would not result in the construction of structures or parking lots which could affect the rate or volume of storm flows. Project activities do not alter streams or channels, and do not affect the capacity of existing storm water management systems.

The District does not conduct any vegetation management in natural bodies of water, flood control channels, agricultural ditches, etc. The District relies on local property owners or other local agencies (such as water districts) to maintain all water conveyance systems (natural and manmade) in accordance with all State and Federal regulations. Project activities will not result in any construction, and therefore will not place either structures or homes within a flood plain.

No impacts would occur.

Mitigation Measures: No mitigation is required.

- iii. ***create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff;***

No Impact.

Project activities would not result in the construction of structures or which could affect the rate or volume of storm flows.

The District conducts surveillance and control measures within the Coachella Valley Storm water Channel Project activities do not alter streams or channels, and do not affect the capacity of existing storm water management systems. As such, the Project would not create or contribute to significant runoff or increase additional sources of polluted runoff.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

- iv. ***impede or redirect flood flows?***

No Impact.

As described above, the Project would not construct any permanent structures which might impede or redirect flood flows.

No impacts would occur.

Mitigation Measures: No mitigation is required.

- d. ***In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?***

No Impact.

Project activities do not result in the construction of permanent structures which could pose a risk due to flood hazards and the release of pollutants.

No impact would occur.

Mitigation Measures: No mitigation is required.

e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less than Significant Impact.

The Project Site is located within the Colorado River Basin Regional Water Quality Control Board (CRBRWQCB) region.

The CRBRWQCB implements the Water Quality Control Plan for the Colorado River Basin (Basin Plan). The Basin Plan is designed to preserve and enhance water quality and protect the beneficial uses of all regional waters. Specifically, the Basin Plan (i) designates beneficial uses for surface and ground waters, (ii) sets narrative and numerical objectives that must be attained or maintained to protect the designated beneficial uses and conform to the State's antidegradation policy, and (iii) describes implementation programs to protect all waters in the Region.⁸⁰ In addition, the Basin Plan incorporates all applicable State and Regional Board plans and policies and other pertinent water quality policies and regulations.

The District would comply with applicable federal, State, and local regulations, and obtain required permits from the Colorado River Basin RWQCB. The Project would adhere to the Basin Plan and would not conflict with or obstruct the implementation of the plan.

As previously discussed, District operated]s under an NOI)⁸¹ to apply aquatic larvicides and adulticides for vector control as part of the District's IVMP.

Impacts would be less than significant impacts.

Mitigation Measures: No mitigation is required.

80 State of California CRBRWQCB, Water Quality Control Plan for the Colorado River Basin Region, https://www.waterboards.ca.gov/coloradoriver/water_issues/programs/basin_planning/. Accessed February 2022.

81 Coachella Valley Mosquito and Vector Control District Notice of Intent to apply aquatic larvicides and adulticides for vector control as part of the District's Integrated Vector Management program. December 11, 2021.

5.11 LAND USE AND PLANNING

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
LAND USE AND PLANNING – Would the project:				
a. Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed changes to the IVMP would not affect land use.

Discussion

a. Physically divide an established community?

No Impact.

The Project would not divide any established communities as no development is proposed. No new roadways or infrastructure would be constructed that would bisect or transect the surrounding neighborhoods.

No impacts would occur.

Mitigation Measures: No mitigation is required.

b. Conflict with applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

No Impact.

The Coachella Valley encompasses the area surrounding the cities of Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, Rancho Mirage, and unincorporated Riverside County. These nine cities total more than 270 square miles. Land use and development within

each city are governed by their respective general plans and zoning. Land ownership and jurisdictions are shown in **Figure 2.0-2: Land Ownership and Jurisdictions in the CVMVCD Service Area**.

Tribal lands are subject to the jurisdiction of the local tribal authority and their land use designations. This includes the Augustine Band of Cahuilla Indians, Agua Caliente Band of Cahuilla Indians, Cabazon Band of Mission Indians, Torres-Martinez Desert Cahuilla Indians, and the Twenty-nine Palms Band of Mission Indians.

Federal lands located within the District's service area are primarily under the control of the U.S. Department of the BLM. Management and ownership of the Salt Creek Area of Critical Environmental Concern is shared with the Center for Natural Land Management, CDFW and CPDR.

Project activity types are compatible with the land use plans, policies and programs, and the zoning of the District's Service Area. The Project activities serve to reduce potentially dangerous insect populations in these areas and have the potential to protect species of concern. This is particularly true as the vectors which the District is responsible for reducing are caused by human activities, rather than the natural processes of indigenous species.

The activities within the District's Service Area do not result in any changes to land use. Implementation of Project activities is not expected to affect adjacent uses or directly cause any changes to regional land use. Therefore, Project activities are compatible with existing land uses.

No impact would occur.

Mitigation Measures: No mitigation is required.

5.12 MINERAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
MINERAL RESOURCES – Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of future value to the region and the residents of the State?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed changes to the IVMP would not affect land use.

Discussion

a. Result in the loss of availability of a known mineral resource that would be of future value to the region and the residents of the State?

No Impact.

As the District's Service Area covers a substantial amount of the Coachella Valley, there are documented areas of mineral resources that can be found within the District's Service Area. According to the Riverside County's General Plan Open Space and Conservation Element, the County—which includes the District's Service Area—is located within the vicinity of multiple Mineral Resource Zones including an area of State designated Significance.⁸²

Project activities do not involve substantial mineral resource removal, nor would it interfere with any actual or proposed mineral extraction operations. As such, there would be no disruption of existing mining operations, and there would be no loss of availability of a known mineral resource.

No impacts would occur.

Mitigation Measures: No mitigation is required.

⁸² County of Riverside, General Plan, Open Space and Conservation Element, accessed May 2022, <https://planning.rctlma.org/General-Plan-Zoning/General-Plan>.

b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No impact.

As stated previously, the District is located within an area that contains MRZs. However, the Project would not involve substantial mineral resource. Locally important mineral resources would not be affected.

No impact would occur.

Mitigation Measures: No mitigation is required.

5.13 NOISE

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
NOISE – Would the project:				
a. Generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Generate excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The following changes to the IVMP would affect noise:

- a) **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).
- b) **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.

Discussion

- a. **Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?**

Less than Significant Impact

The District's Service Area a 2,400 square mile jurisdiction contained within Riverside County, whose border includes Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, Rancho Mirage, and other unincorporated sections.

The Riverside County Municipal Code (RCMC)⁸³ establishes exterior noise standards for residential uses. Specifically, the RCMC establishes a daytime (7 AM – 10 PM) noise standard of 55 dB, and a nighttime (10 PM – 7 AM) noise standard of 45 dB. **Table 5.13-1: Residential Noise Limits per City**, shows the residential exterior noise standards established by each of the cities listed above. As shown, noise standards within the District range from 55 dB to 65 dB during the daytime, and 45 dB to 50 dB during the nighttime.

Ground Vehicle Applications

Similar to the 2011 MND, there would be no significant source of noise from the District's ATV's or other vehicles or ULV spray equipment to persons more than a few dozen feet from the vehicle. These vehicles are typically operated in agricultural areas of the Coachella Valley where many other types of agricultural equipment are being operated. Most surveillance and applications are conducted on foot by District Vector Control Technicians after arriving on site with District trucks.

All District ATVs meet California Vehicle Code requirements for OHV and do not exceed 96 dBA at 20 inches (California Vehicle Code Section 38370).⁸⁴ District ATVs operating at idle can be heard up to 200 feet away in an unobstructed environment.

The movement of ATVs are guided by a ground crew and limited to activities to agricultural areas such as irrigated date gardens. In the spring months on the west side of the Salton Sea, use of ATV's is limited to existing dirt roads in the flooded areas of fishery ponds. The District staff shall use existing dirt roads around the fish farm ponds and shall enter only those open areas under the salt grass in the vicinity of the fish farm ponds. In the fall months, the use of ATVs is limited to sites such as duck club ponds that are man-made. As such, ATVs would not significantly impact residences.

Atmospheric conditions as well as vegetation type will affect the distance at which these vehicles are heard. These vehicles and ULV spray equipment are typically operated for relative short period of time (5-30 minutes) depending on habitat and application type.

83 Riverside County Municipal Code, https://library.municode.com/ca/riverside/codes/code_of_ordinances. Accessed June 2022.

84 California Legislative Information, Vehicle Code, Division 16.5 Off Highway Vehicles (3800-38604), https://leginfo.ca.gov/faces/codes_displaySection.xhtml?lawCode=VEH§ionNum=38370. Accessed May 2022.

Table 5.13-1 Residential Noise Limits per City		
City	Exterior Noise Standards (dBA)	
Cathedral City ^a	Daytime (7 AM – 10 PM)	65
	Nighttime (10 PM – 7 AM)	50
Coachella ^b	Daytime (6 AM – 10 PM)	55
	Nighttime (10 PM – 6 AM)	45
Desert Hot Springs ^c	All Day	65
Indian Wells ^d	Daytime (7 AM – 10 PM)	55
	Nighttime (10 PM – 7 AM)	50
Indio ^e	N/A ^e	
La Quinta ^f	N/A ^f	
Palm Desert ^g	Daytime (7 AM – 10 PM)	55
	Nighttime (10 PM – 7 AM)	45
Palm Springs ^h	Daytime (7 AM – 6 PM)	60
	Evening (6 PM – 10 PM)	55
	Nighttime (10 PM – 7 AM)	50
Rancho Mirage ⁱ	Daytime (7 AM – 6 PM)	60
	Evening (6 PM – 10 PM)	55
	Nighttime (10 PM – 7 AM)	50

^a City of Cathedral City Municipal Code, <https://www.cathedralcity.gov/i-want-to/view/municipal-code>. Accessed June 2022.

^b City of Coachella Municipal Code, https://library.municode.com/ca/coachella/codes/code_of_ordinances. Accessed June 2022.

^c Desert Hot Springs, California Municipal Code, https://library.qcode.us/lib/desert_hot_springs_ca/pub/municipal_code. Accessed June 2022.

^d Indian Wells Municipal Code, https://library.qcode.us/lib/indian_wells_ca/pub/municipal_code. Accessed June 2022.

^e Indio Municipal Code, <https://codelibrary.amlegal.com/codes/indio/latest/overview>. Accessed June 2022. In place of quantified noise standards, the Indio Municipal Code states that, “It shall be unlawful for any person to make, continue, or cause to be made or continued, within the city limits or within 200 feet thereof, any disturbing excessive or offensive noise or vibration which causes discomfort or annoyance to any reasonable person of normal sensitivity in the area or that is plainly audible at a distance greater than 50 feet from the source point for any purpose.”

^f La Quinta Municipal Code, <https://www.laquintaca.gov/business/municipal-code>. Accessed June 2022. In place of quantified noise standards, the La Quinta Municipal Code states that, “No person shall willfully make any unreasonably loud noise to the extent that it disturbs the peace and quiet of any neighborhood or imposes upon the privacy and rights of others.”

^g Palm Desert Municipal Code, https://library.qcode.us/lib/palm_desert_ca/pub/municipal_code. Accessed June 2022.

^h Palm Spring Municipal Code, https://library.qcode.us/lib/palm_springs_ca/pub/municipal_code. Accessed June 2022.

ⁱ Rancho Mirage Municipal Code, https://library.qcode.us/lib/rancho_mirage_ca/pub/municipal_code. Accessed June 2022.

Aerial Applications

Helicopter Applications

The District is considering increasing the use of helicopter applications (by 6 to 10 applications) over cities in addition to the annual average 20 helicopter applications currently taking place in rural areas. Helicopter operations for pesticide applications would occur at altitudes of 120 to 150 feet during the morning and evening hours, and when meteorological conditions (wind speeds less than 10 miles per hour) permit. Approved FAA flight paths for aerial applications by helicopter are shown in **Figure 3.3-1: FAA Approved Flight Path for Helicopter Pesticide Applications.**

Currently, the District has aerial application contracts with Salton Sea Aerial Service, Inc. and with Ocean Air Helicopters, Inc., to conduct adulticide or larvicide applications. The application of control products by air is conducted in inaccessible areas such as the Salton Sea marsh habitats and where large applications are required, as in duck club habitats.

The wetland marshes are often applied by helicopter rather than truck-mounted equipment because of accessibility and time-saving benefits. Evaluations of these applications have indicated that the District is more efficiently reducing the mosquito population through these aerial applications instead of through truck applications. The need for this approach to mosquito treatments will continue in the future. In addition, helicopter service can also apply larvicide and adulticide products to all urban areas of the Coachella valley, if it becomes necessary based on arbovirus indicators and for the control of urban mosquito vectors.

The most common type of helicopters for this type of activity includes smaller weight class helicopters including the Hiller UH-12E and Bell 206B. A helicopter can generate noise levels of 75 to 83 dBA from directly beneath the flight path when approaching at a height of 100 feet. At an altitude of 120 to 150 feet the maximum noise would be 81.4 dBA. As shown in **Table 5.13-1**, noise standards within the District range from 55 dB to 65 dB during the daytime. As such, daytime standards would be exceeded by a maximum of 26.4 dBA.

As such, sensitive receptors could be exposed to noise levels that exceed daytime and nighttime noise standards within the District.

Though helicopter noise could present a nuisance to nearby residences, helicopter activities conducted by the District would be short-term and authorized by the Federal Aviation Administration (FAA) under a Congested Area Plan, and monitored by Riverside County Department of Agriculture. The current

Congestion Area Plan the District submitted to the FAA was approved on June 16, 2021.⁸⁵ The FAA authorization letter for the District's Congestion Area Plan specifies conditions for aerial application. This includes:

- Aircraft will operate at altitudes of 120 -150 feet and air speed of 50-60 mph while dispensing control products. Any object in the flight area in excess of 75 vertical feet above the ground will be identified and the flight path altered to apply parallel to those structures.
- Control Product dispensing will be performed when wind speeds are greater than 1 mph and less than 10 mph. Swath widths will be between 120 and 400 feet.
- When operating in Class D or E4 designated airspace, ATC notification will be made 48 hours in advance to application operations and coordination with the Palm Springs ATC facility will be accomplished via email notification to the Air Traffic Manager and contact with the control tower during dispensing operations.

The Congested Area Plan includes a public notification plan to inform the affected public of planned aerial mosquito control missions. Notifications may be delivered via local television stations, local radio stations, newspapers, flyers, email, and the District's website. Advance notice will be given 24 to 48 hours prior to aerial applications, when possible.

Overall, proposed changes to the IVMP that would generate helicopter noise would be temporary and periodic (once a day, 6-10 days per year), and would not result in a permanent exposure of sensitive receptors to significant noise levels.

Drone Applications

The District is considering the use of aerial drone applications in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments. Specifically, the District utilizes two types of drones, the Phantom 4 Pro and the Matrice 600. These drones are expected to operate close to ground level when making applications. The Phantom 4 Pro can produce noise levels up to 81 dBA,⁸⁶ while the Matrice 600 can produce noise levels up to 85.3 dBA.⁸⁷ As shown in **Table 5.13-1**, noise standards within the District range from 55 dB to 65 dB during the daytime. As such, daytime standards would be exceeded by a maximum of 30.3 dBA by drones.

85 Letter correspondence between FAA and CVMVCD, dated June 16, 2021. (See **Appendix C**)

86 Airborne Drones, Drone Noise Levels, <https://www.airbornedrones.co/drone-noise-levels/>. Accessed June 2022.

87 International Journal of Environmental Research and Public Health, Drone Noise Emissions Characteristics and Noise Effects on Humans – A systematic Review, <https://www.mdpi.com/1660-4601/18/11/5940/pdf>. Accessed June 2022.

As noise from the use of drones could exceed the daytime noise limit for residential areas for the cities and unincorporated areas, noise would be noticeable. However, because the use of drones would be limited to certain times of the year and would be temporary, impacts would be less than significant.

Because of the normal locations and times for operating these vehicles and equipment, and the very short time spent at any specific location, noise levels are not sustained, and will not permanently impact the noise environment.

Summary

Impacts would be less than significant.

Mitigation Measures: No mitigation measures required.

b. Generation of excessive groundborne vibration or groundborne noise levels?

Less than Significant Impact.

The proposed changes to the IVMP are not anticipated to create significant levels of groundborne noise or vibration. Ground activities conducted with District passenger cars, trucks, and ATV/UTV's could generate small levels of vibration. The movement of ATVs are guided by a ground crew and limited to activities to agricultural areas such as irrigated date gardens. In the spring months on the west side of the Salton Sea, use of ATV's is limited to existing dirt roads in the flooded areas of fishery ponds. The District staff shall use existing dirt roads around the fish farm ponds and shall enter only those open areas under the salt grass in the vicinity of the fish farm ponds. In the fall months, the use of ATVs is limited to sites such as duck club ponds that are created.

District passenger cars and trucks traveling on roadways would be part of typical traffic conditions and would not represent a significant source of vibration. Moreover, according to the Federal Transit Administration,⁸⁸ typical road traffic-induced vibration levels are unlikely to be perceptible by people.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

88 Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*, FTA report no. 0123 (September 2018), https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf. Accessed June 2022.

- c. For a project located within the vicinity of a private airstrip or an airstrip land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?**

No Impact.

The proposed changes to the IVMP would not place people within close distances to private airstrips or within two miles of a public airport as the proposed changes to the IVMP does not include the development of land uses. Helicopters used to make applications would operate within the District's service area. The District's service area includes several airports including Palm Springs International Airport, Bermuda Dunes Airport, Jacqueline Cochran Regional Airport, Chiriaco Summit Airport, and Desert Center Airport. Currently, the District has an aerial applications contract with Salton Sea Aerial Service, Inc., and with Ocean Air Helicopters, Inc. These contractors would perform normal operations from the existing airports listed above under FAA approval. As such, the proposed changes to the IVMP would not increase exposure of people residing near these airports to increased noise levels.

No impacts would occur.

Mitigation Measures: No mitigation measures required.

5.14 POPULATION AND HOUSING

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
POPULATION AND HOUSING – Would the project:				
a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed changes to the IVMP would not affect population or housing.

Discussion

a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

No impact.

The proposed changes to the IVMP would not involve the development of new homes or businesses. As such, it would not introduce new populations to the area.

No impacts would occur.

Mitigation Measures: No mitigation is required.

b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

No impact.

The proposed changes to the IVMP will not demolish existing housing. Therefore, the Project would not displace any existing people or housing.

No impacts would occur.

Mitigation Measures: No mitigation is required.

c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

No impact.

The Project would not displace existing housing or people. Therefore, the proposed changes to the IVMP would not displace any people, jobs, or housing.

No impacts would occur.

Mitigation Measures: No mitigation measures are required.

5.15 PUBLIC SERVICES

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
PUBLIC SERVICES				
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a. Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed changes to the IVMP would not affect public services.

Discussion

a. Fire protection?

No Impact.

Public services including fire protection and emergency medical care are located in cities and unincorporated areas throughout the District's Service Area. The proposed changes to the IVMP would not involve construction of any permanent buildings and thus would not cause any significant impacts to emergency evacuation plans or surrounding fire protection services.

No impacts would occur.

Mitigation Measures: No mitigation is required.

b. Police protection?

No Impact.

Police agencies with jurisdiction over some or all of the District's Service Area include local Police Departments, the Riverside County Sheriff, and the California Highway Patrol. No additional law enforcement services would be necessary. Proposed changes to the IVMP would not require the construction of new or expanded police facilities.

No impacts would occur.

Mitigation Measures: No mitigation is required.

c. Schools?

No Impact.

The proposed changes to the IVMP would not generate new students that would need school facilities.

Impacts to school facilities would not occur.

Mitigation Measures: No mitigation is required.

d. Parks?

No impact.

Demand for parks and recreational facilities are usually determined by an area's population. Considering that the proposed changes to the IVMP would not generate additional population or involve construction of dwelling units, the demand for park facilities would remain the same.

No impacts would occur.

Mitigation Measures: No mitigation is required.

e. Other public facilities?

No impact.

The proposed changes to the IVMP would not increase the local population. As such, it would not cause a need for additional public facilities, such as libraries.

No impacts would occur.

Mitigation Measures: No mitigation is required.

5.16 RECREATION

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
RECREATION – Would the project:				
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated??	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed changes to the IVMP would not affect *recreation*.

Discussion

a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Less Than Significant Impact.

The District's Service Area includes numerous recreational resources, including local parks and recreation facilities, and regionally important recreational facilities, such as the Salton Sea Recreational Area and areas adjacent to the Salton Sea.

The proposed changes to the IVMP will not infringe on existing recreational facilities, or on land upon which recreational uses could occur in the future. The District does conduct mosquito control in local parks in cities with minimal impact other than reducing the presence of vectors. Generally, water fixtures in the parks are well maintained and do not require mosquito control. There would be no detrimental impact to recreational areas. However, District activities could temporarily restrict access to some area during application periods. The restrictions would be temporary and short-term. Furthermore, the District posts signs, provides postcards, posts signs at intersections and HOAs, provides door hangers, sends out emails, advertises on social media and provides notice of applications as much as possible while not delaying the applications. Application activity is also posted on the District's website.

Therefore, deterioration to recreational facilities would not occur.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

No impact.

No off-site recreational facilities have been proposed and no expansion of existing recreation facilities would be required.

No impact would occur.

Mitigation Measures: No mitigation is required.

5.17 TRANSPORTATION AND TRAFFIC

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
TRANSPORTATION/TRAFFIC – Would the project:				
a. Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The following changes to the IVMP would affect agriculture resources:

- a) **Modifications to aerial treatments by helicopter.** Currently, the District routinely makes on average 20 treatments annually in the rural area of pesticides to control mosquito larvae or adults. These helicopter applications occur during various hours of the day most often in the evening or very early morning hours (as stated in the 2011 MND). The District is increasing helicopter flights to occur more frequently over cities (6 to 10 applications annually).
- b) **Use of aerial drone applications.** The District is considering the use of aerial drones in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.

These activities will not impact transportation or traffic.

Discussion

a. Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?

No Impact.

The changes to the IVMP would not change operations and programs, and no new vehicle trips would be generated. The proposed changes to the IVMP would not create impacts for transportation and circulation. The changes to the IVMP would not conflict with the local or regional circulation plans, ordinances, policies, or the performance of the surrounding roadway.

No impacts would occur.

Mitigation Measures: No mitigation is required.

b. The Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

Less Than Significant Impact.

CEQA Guidelines Section 15064.3 was developed in response to Senate Bill 743, which eliminated auto delay, LOS, and similar measures of vehicular capacity or traffic congestion. CEQA Guidelines Section 15064.3 is a basis for determining impacts. The new criteria “shall promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses” (PRC Section 21099(b)(1)).⁸⁹ Vehicle miles traveled (VMT) is the new indicator of the travel levels on the roadway system by motor vehicles.

As mentioned in Section 5.3 Air Quality, the proposed changes to the IVMP would not increase the number of vehicles within the District’s fleet. The District is considering the use of aerial drone applications in the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments. This would reduce the number of ATV/UTV trips. These trips are distributed throughout the Service Area during various application periods.

Trips to and from the District’s offices, located west of Monroe Street, between Highway 111 and Interstate 10, in the City of Indio occur during the work day, although District activities could extend beyond the evening peak hour (4 to 6 PM). The Indio General Plan Mobility Element classifies Monroe as Boulevard with a Median or Center Left-Turn Lane in the area of the District offices (4-lane divided).⁹⁰ District activities currently occur on this roadway, and are not expected to change from current patterns. The number of vehicles employed by the District would be minimal and the associated VMT would not be considered significant.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

89 Public Resources Code (PRC), Division 13. Environmental Quality, Chapter 2.7. Modernization of Transportation Analysis for Transit-Oriented Infill Projects, Section 21099, https://leginfo.ca.gov/faces/codes_displaySection.xhtml?sectionNum=21099.&lawCode=PRC. Accessed March 2022.

90 City of Indio General Plan, Mobility Element, accessed May 2022, https://www.indio.org/your_government/development_services/gp2040/general_plan_2040.htm.

c. Substantially increase changes to the IVMP hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact.

The changes to the IVMP would not propose any new roadways, circulation changes, and/or design features with sharp curves or dangerous intersections. The Project would not cause an increase in hazards.

No impacts would occur.

Mitigation Measures: No mitigation is required.

d. Result in inadequate emergency access?

No Impact.

The changes to the IVMP would not alter or disrupt emergency access roadways.

No impacts would occur.

Mitigation Measures: No mitigation is required.

5.18 TRIBAL CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
Tribal Cultural Resources – Would the project:				
a. Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed changes to the IVMP would not affect tribal cultural resources.

Discussion

- a. ***Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:***
- i. ***Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or***

No Impact.

"Tribal cultural resources," as defined in PRC Section 21074,⁹¹ are: sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe. Additionally, PRC section 5020.1(k) defines "local register of historical resources" as a list of properties officially designated or recognized as historically important by a local government pursuant to a local ordinance or resolution.⁹²

As discussed in Section 5.5: Cultural Resources, the District's Service Area includes sites listed on a local historic landmark list, the California Historical Landmarks register, and the California Points of Historical Interest register.

The proposed changes to the IVMP would not come into contact with these historic locations and no tribal resources have been identified by the tribes contacted as part of the AB 52 process.

No impact would occur.

Mitigation Measures: No mitigation is required.

91 Public Resources Code (PRC), Division 13. Environmental Quality, Chapter 2.5 Definitions, Section 21074, https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?lawCode=PRC§ionNum=21074. Accessed March 2022.

92 Public Resources Code (PRC), Division 5. Parks and Monuments, Chapter 1. State Parks and Monuments, Article 2. Historic Resources, Section 5020.1, https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?sectionNum=5020.1&lawCode=PRC. Accessed March 2022.

ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

No Impact.

Public Resource Code Section 5024.1(c) includes criteria to be used for listing a resource in the California Register.

Assembly Bill (AB 52)⁹³ establishes a formal consultation process for California Native American tribes on development projects. AB 52 notification letters were sent by the District to the Agua Caliente Band of Cahuilla Indians (ACBCI), Augustine Band of Cahuilla Indians, Cabazon Band of Mission Indians, Torres-Martinez Desert Cahuilla tribes and Twenty-nine Palms Band of Missions Indians on May 16, 2022. Copies of the AB 52 notification letters are provided in **Appendix D**. No responses were received by any of the tribes that were contacted.

As described above, the proposed changes to the IVMP would not come into contact with any historic locations and no tribal resources have been identified by the tribes contacted as part of the AB 52 process.

No impacts will occur.

Mitigation Measures: No mitigation is required.

93 Assembly Bill No. 52 (AB52), Chapter 532, Approved by Governor September 25, 2014.

5.19 UTILITIES AND SERVICE SYSTEMS

	Potentially Significant Impact	Less Than Significant with Project Mitigation	Less Than Significant Impact	No Impact
UTILITIES AND SERVICE SYSTEMS – Would the project:				
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water, drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Have sufficient water supplies available to serve the project and reasonable foreseeable future development during normal, dry and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Comply with federal, State, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed changes to the IVMP would not affect utilities or service systems.

Discussion

a. Require or result in the relocation or construction of new water or expanded water, wastewater treatment or stormwater, drainage, electric power, natural gas, or telecommunications facilities, the construction of which relocation could cause significant environmental effects?

No Impact.

The proposed changes to the IVMP do not utilize wastewater treatment, domestic water or stormwater drainage facilities. The proposed changes to the IVMP would not require the construction or expansion of wastewater treatment facilities.

The proposed changes to the IVMP would not increase the demand for additional utility systems, and the existing utilities would be sufficient. The proposed changes to the IVMP would not trigger the need for new or expanded utility systems.

No impacts would occur.

Mitigation Measures: No mitigation is required.

b. Have sufficient water supplies available to serve the project and reasonable foreseeable future development during normal, dry and multiple dry years?

No Impact.

The Coachella Valley Water District (CVWD) and Desert Water Agency (DWA) are the primary water suppliers within the District's Services Area; some area areas are supplied by Mission Springs Water District, Indio Water Authority, and individual groundwater wells.

The proposed changes to the IVMP would not create a larger demand on water supply as the proposed activities would consist of surveillance of known vectors, physical control, biological control, microbial and chemical control, and public outreach. As such, the proposed changes to the IVMP would not require access to additional water supplies.

No impact would occur.

Mitigation Measures: No mitigation is required.

c. Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

No Impact.

The proposed changes to the IVMP would not generate industrial wastewater or new point sources of wastewater that would require permits from the Colorado River Basin Regional Water Quality Control Board. Therefore, the capacity of wastewater treatment would not change.

No impacts would occur.

Mitigation Measures: No mitigation is required.

d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less than Significant Impact.

The proposed changes to the IVMP would not result in the disposal of containers and other materials used in the vector management and control process. The District disposes of pesticide containers and similar materials through approved methods dictated by county, state and federal standards. Thus, there would be no impacts associated with utilities or service systems.

Additionally, the proposed changes to the IVMP would not construct any permanent buildings and require additional capacity of local infrastructure for solid waste generation.

Impacts would be less than significant.

Mitigation Measures: No mitigation is required.

e. Comply with federal, state, and local statutes and regulations related to solid waste?

No Impact.

The proposed changes to the IVMP would comply with federal, State, and local statutes and regulations related to solid waste. These standards include EPA regulations for containers, storage, and disposal;⁹⁴ the California Department of Pesticide Regulation,⁹⁵ and California Code of Regulations.⁹⁶

Solid waste generated by the District's activities would not interfere with the California Integrated Waste Management Act, which requires that local municipalities implement programs to divert at least 50 percent of their solid waste from landfills.⁹⁷

No impact would occur.

94 Environmental Protection Agency (EPA), Pesticide Worker Safety, accessed June 2022, <https://www.epa.gov/pesticide-worker-safety/containers-containment-storage-and-disposal-pesticides>.

95 CDPR, Pesticide Container Recycling Program, accessed June 2022, https://www.cdpr.ca.gov/docs/mill/container_recycling/pest_container.htm.

96 California Code of Regulations, Title 3. Food and Agriculture, Division 6. Pesticides and Pest Control Operations.

97 Public Resources Code (PRC), Division 30. Waste Management, Part 1. Integrated Waste Management, Chapter 1. General Provisions, https://leginfo.legislature.ca.gov/faces/codes_displayText.xhtml?lawCode=PRC&division=30.&title=&part=1.&chapter=1.&article=1. Accessed March 2022.

Mitigation Measures: No mitigation is required.

5.20 WILDFIRE

If located in or near State responsibility areas or lands classified as very high fire hazard zones, would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Due to slope, prevailing winds, and other factors, exacerbate wildlife risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed changes to the IVMP would not affect wildfires.

Discussion

a. Substantially impair an adopted emergency response plan or emergency evacuation plan?

No Impact.

While most of California is subject to some degree of fire hazard, there are specific features that make some areas more hazardous.

There are three specific land classifications to identify the agency with the financial responsibility for preventing and suppressing wildfire:

- Local Responsibility Area (LRA) is primarily the responsibility of the local jurisdiction, i.e. local fire departments.
- State Responsibility Area (SRA) is primarily the responsibility of the state, or CAL FIRE.
- Federal Responsibility Area (FRA) is primarily the responsibility of a federal government agency, such as the US Forest Service (USFS) and Bureau of Land Management (BLM).

The California Department of Forestry and Fire Protection (CAL FIRE) is required by law to map areas of significant fire hazards based on fuels, terrain, weather, and other relevant factors. These designations, referred to as Fire Hazard Severity Zones (FHSZ), mandate how people construct buildings and protect property to reduce risk associated with wildland fires.

The District's Service Area is partially located within a designated Local Responsibility Area (LRA) with some areas classified as SRA and FRA.⁹⁸ Moderate to Very High Fire Hazard Severity Zones (FHSZ) exist as well within Local and State responsibility areas to the north and south west within District Service Area. Most of the FRA is within BLM jurisdiction and is located mainly in the San Jacinto Mountains in the southwest corner of the District Service Area.⁹⁹ Joshua Tree National Park is also considered federal land and is located within the northeast section of the District Service Area. The District conducts minimal activity within federal lands since they mainly focus on agricultural areas and within the urban areas of the cities they encompass.

As the proposed changes to the IVMP would not construct any permanent buildings or create obstructions, the Project would not substantially impair an emergency response plan or evacuation plan.

No impact would occur.

Mitigation Measures: No mitigation is required.

b. Due to slope, prevailing winds, and other factors, exacerbate wildlife risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

No Impact.

The District's Service Area lies mainly within a Non-FHSZ.¹⁰⁰ Additionally, the proposed changes to the IVMP would not construct any permanent buildings which may house occupants. Project activities may occur in the foothills of the Coachella Valley, where wild land fires are most likely. As part of the proposed

98 CalFire, Dept. of Forestry and Fire Protection's Fire and Resource Assessment Program (FRAP), <https://egis.fire.ca.gov/FHSZ/>. Accessed February 2022.

99 County of Riverside General Plan (2021), Safety Element, accessed June 2022, https://planning.rctlma.org/Portals/14/genplan/2021/elements/Ch06_Safety_092821.pdf.

100 CalFire, Dept. of Forestry and Fire Protection's Fire and Resource Assessment Program (FRAP), <https://egis.fire.ca.gov/FHSZ/>. Accessed February 2022.

changes to the IVMP, District activities would not involve activities that would result in wildfires or create a risk of wildfires.

When conducting vector management activities in areas that are prone to wildfire, the District's vehicles are equipped with spark arresting mufflers and all District vehicles carry fire extinguishers and communication systems which can be used to summon assistance in the unlikely event that any action initiates a fire. Therefore, proposed changes to the IVMP would not exacerbate wildlife risks due to wildfire.

No impact would occur.

Mitigation Measures: No mitigation is required.

c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

No Impact.

The proposed changes to the IVMP does not propose, or require, improvements or maintenance of infrastructure that would exacerbate fire risk.

No impact would occur.

Mitigation Measures: No mitigation is required.

d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No Impact.

As previously noted, The District's Service Area is partially located within a designated Local Responsibility Area (LRA) with some areas classified as SRA and FRA.¹⁰¹ ¹⁰² Additionally, the proposed changes to the

101 CalFire, Dept. of Forestry and Fire Protection's Fire and Resource Assessment Program (FRAP), <https://egis.fire.ca.gov/FHSZ/>. Accessed February 2022.

102 CalFire, Dept. of Forestry and Fire Protection's Fire and Resource Assessment Program (FRAP), <https://egis.fire.ca.gov/FHSZ/>. Accessed February 2022.

IVMP would not construct any permanent buildings which may house occupants. Therefore, project implementation would not exacerbate wildlife risks due to wildfire.

No impact would occur.

Mitigation Measures: No mitigation is required.

5.21 MANDATORY FINDINGS OF SIGNIFICANCE

	Potentially Significant Impact	Less Than Significant With Project Mitigation	Less Than Significant Impact	No Impact
MANDATORY FINDINGS OF SIGNIFICANCE – Does the project:				
a. Have the potential to 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 animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion

a. Does the project have the potential to 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 animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less Than Significant Impact.

The proposed changes to the IVMP's would not impact biological resources. The District is not a participant in the Coachella Valley MSHCP and Tribal HCP programs. The District does not conduct routine control activities within 18 designated CVM SHCP conservation areas. The District conducts surveillance and control measures within the Coachella Valley Storm water Channel and Delta, and small residential communities found within the Thousand Palms and West Deception Conservation areas. The District staff

is trained in the application of pesticides within label guidelines, to assure that there is no significant hazard to listed species.

Project activities would not have any impact on cultural or historical resources, as the Project's activities generally occur on marked trails and existing roadways, in agricultural or developed areas. Further, Project activities do not disturb the ground surface, and therefore cannot disturb buried cultural resources.

Impacts to biological and cultural resources as a result of the proposed changes to the IVMP would result in less than significant impacts.

Mitigation Measures: No mitigation measures are required.

b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Less Than Significant Impact.

The established policies and practices of the District's IVMP would ensure that potential impacts remain at a less-than-significant level. Policies and practices have been included in Project activities that would eliminate the potential for significant impacts.

As such, the Project would not result in environmental impacts that are individually limited or cumulatively considerable.

Mitigation Measures: No mitigation measures are required.

c. Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?

Less than Significant Impact.

The proposed changes to the IVMP's impacts to air quality, greenhouse gas emissions, hazards and hazardous materials, traffic, and other environmental issues have been evaluated and found that development and operation of the proposed changes to the IVMP would result in less than significant adverse effects on human beings, either directly or indirectly.

Impacts would be less than significant.

Mitigation Measures: No mitigation measures are required.

6.0 LIST OF PREPARERS

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8.0 TERMS, DEFINITIONS, AND ACRONYMS

AB	assembly bill
AFY	acre-feet per year
AQMP	Air Quality Management Plan
ARGO	amphibious all-terrain vehicles (ARGO is the Canadian manufacturer)
ASL	above sea level
ATV	All-terrain vehicle
Basin Plan	Water Quality Control Plan for the Colorado River Basin
BLM	Bureau of Land Management
BMP	Best Management Practice
Caltrans	California Department of Transportation
CDFW	California Department of Fish and Wildlife
CDPR	California Department of Parks and Recreation
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CHRIS	California Historic Resource Information System
CNDBB	California Natural Diversity Database
CNPS	California Native Plant Survey
CO	carbon monoxide
CO ₂	carbon dioxide
CRBRWQCB	Colorado River Basin Regional Water Quality Control Board
CVAG	Coachella Valley Association of Governments
CVMSHCP	Coachella Valley Multiple Species Habitat Conservation Plan
CVMVCD	Coachella Valley Mosquito and Vector Control District
CVWD	Coachella Valley Water District
DOI	U.S. Department of the Interior
DTSC	Department of Toxic Substances Control
EIA	Energy Information Administration
EIC	Eastern Information Center
EMFAC	CARB on-road vehicle emissions model

ESA	Endangered Species Act
GHG	greenhouse gases
HCP	Habitat Conservation Plan
LST	Localized Significance Threshold
MM	Mitigation Measure
MND	Mitigated Negative Declaration
MRZ	Mineral Resource Zone
MWD	Metropolitan Water District of Southern California
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NCCP	Natural Community Conservation Plan
NOx	nitrogen oxide
NPDES	National Pollution Discharge Elimination System
OFFROAD	CARB off-road emissions model
OSHA	Occupational Safety and Health Administration
PCB	polychlorinated biphenyl
PM10	particulate matter less than 10 microns
PM2.5	particulate matter less than 2.5 microns
PPV	peak particle velocity
PRC	Public Resources Code
RCALUC	Riverside County Airport Land Use Commission
RCALUCP	Riverside County Airport Land Use Compatibility Plan
RCDEH	Riverside County Department of Environmental Health
RCFD	Riverside County Fire Department
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
RWQCB	regional water quality control boards
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SLF	Sacred Lands File
SOx	sulfur oxide
SR	State Route

SSAB	Salton Sea Air Basin
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
USEPA	United States Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
VHFHSZ	Very High Fire Hazard Severity Zone
VOC	volatile organic compound



APPENDIX A

CVMVCD Adulticiding Record 2021: Aerial Applications

Appendix A-1
CVMVCD Adulticiding Record 2021 - Aerial Applications

Date	Start Time	Stop Time	Time Sprayed (min.)	Chemical Name	AI	Rate (lbs./ac)	Formulation	Dilution	Amount Mixed Used (fl. Oz.)	Amount Chemical Used (fl. Oz.)	Equipment Used	Pressure (psi)	Flow Setting (fl. Oz./min.)	Speed (mph)	Acres Treated	Application Rate (oz/ac)	Swath (ft.)	Wind Speed (mph)	Wind Direction	Temperature (°F)	RH
7/6/2021	8:00 PM	8:45 PM	45	EverGreen 5-25	Pyrethrins	0.0025	Oil	82/18	1152	901.12	Miconair 6539	25	47.5	55	1024	0.88	400	4.5	S	104.6	21
7/7/2021	8:00 PM	8:45 PM	45	EverGreen 5-26	Pyrethrins	0.0025	Oil	82/18	1152	901.12	Miconair 6539	25	47.5	55	1024	0.88	400	3	NE	100.6	26
7/8/2021	8:00 PM	8:45 PM	45	EverGreen 5-26	Pyrethrins	0.0025	Oil	82/18	1152	901.12	Miconair 6539	25	47.5	55	1024	0.88	400	3	SW	104.1	38
8/6/2021	8:00 PM	9:00:00 PM	60	Aqua-Reslin	Permethrin	0.0017	Water		2816	1036.624	Miconair 6539	25	65.1	55	1934	0.5360	400	4	S	93	45
8/7/2021	8:00 PM	9:00:00 PM	60	Aqua-Reslin	Permethrin	0.0017	Water		2816	1036.624	Miconair 6539	25	65.1	55	1934	0.5360	400	1	NW	89	33
8/8/2021	8:00 PM	9:00:00 PM	60	Aqua-Reslin	Permethrin	0.0017	Water		2816	1036.624	Miconair 6539	25	65.1	55	1934	0.5360	400	4	S	98	41
8/14/2021	8:00 PM	8:45 PM	45	EverGreen 5-25	Pyrethrins	0.0025	Oil	82/18	1024	841.28	Miconair 6539	25	47.5	55	956	0.88	400	3	NE	89	31
8/15/2021	8:00 PM	8:45 PM	45	EverGreen 5-26	Pyrethrins	0.0025	Oil	82/18	1024	841.28	Miconair 6539	25	47.5	55	956	0.88	400	4	NW	91	29
8/16/2021	8:00 PM	8:45 PM	45	EverGreen 5-27	Pyrethrins	0.0025	Oil	82/18	1024	841.28	Miconair 6539	25	47.5	55	956	0.88	400	3	NW	92	31
8/20/2021	8:00 PM	9:30 PM	90	Aqua-Reslin	Permethrin	0.0017	Water		4096	1516.88	Miconair 6539	25	65.1	55	2830	0.5360	400	1.6	SE	88	43
8/21/2021	8:00 PM	9:30 PM	90	Aqua-Reslin	Permethrin	0.0017	Water		4096	1516.88	Miconair 6539	25	65.1	55	2830	0.5360	400	6	NW	93	39
8/22/2021	8:00 PM	9:30 PM	90	Aqua-Reslin	Permethrin	0.0017	Water		4096	1516.88	Miconair 6539	25	65.1	55	2830	0.5360	400	1	NW	82	39
8/23/2021	8:00 PM	9:30 PM	90	Aqua-Reslin	Permethrin	0.0017	Water		4096	1516.88	Miconair 6539	25	65.1	55	2830	0.5360	400	1	NW	85	41
8/24/2021	8:00 PM	9:30 PM	90	Aqua-Reslin	Permethrin	0.0017	Water		4096	1516.88	Miconair 6539	25	65.1	55	2830	0.5360	400	3	NW	91	24
8/29/2021	7:45 PM	9:15 PM	90	EverGreen 5-25	Pyrethrins	0.0025	Oil	82/18	2470	2024	Miconair 6539	25	47.5	55	2300	0.88	400	3	NE	89	31
9/10/2021	7:30 PM	8:30 PM	60	Duet	Prallethrin/Sumithrin	0.004	Oil			3584	Miconair 6539	25	60	55	2800	1.28	400	1	NE	92	48
9/11/2021	7:30 PM	8:30 PM	60	Duet	Prallethrin/Sumithrin	0.004	Oil			3584	Miconair 6539	25	60	55	2800	1.28	400	1	NW	88	35
9/12/2021	7:30 PM	8:30 PM	60	Duet	Prallethrin/Sumithrin	0.004	Oil			3584	Miconair 6539	25	60	55	2800	1.28	400	1	SW	97	38
9/14/2021	7:30 PM	8:30 PM	60	Duet	Prallethrin/Sumithrin	0.004	Oil			3584	Miconair 6539	25	60	55	2800	1.28	400				
9/15/2021	7:30 PM	8:30 PM	60	Duet	Prallethrin/Sumithrin	0.004	Oil			3584	Miconair 6539	25	60	55	2800	1.28	400				
									Duet	#REF!											
									Aquasreslin	24.30											
									EverGreen	14.08											

Appendix A-1
CVMVCD Adulticiding Record 2021 - Barrier Spray Applications

Date	Start Time	Stop Time	Time Sprayed	Chemical Name	AI	Rate	Formulation	Dilution	Amount Mixed Used	Amount Chemical Used	Ac.
6/10/2021	8:46am	10:48am	42 minutes	Demand CS	Lambda-cyhalothrin	21.78 oz/ac	Water		64 gal	16.93floz	0.8 ac.
7/15/2021	8:24am	10:59am	46.69 minutes	Demand CS	Lambda-cyhalothrin	21.78 oz/ac	Water		93.38 gal	22.95floz	1.05 ac
7/15/2021	8:30am	12:50pm	36.63 minutes	Demand CS	Lambda-cyhalothrin	21.78 oz/ac	Water		83.26 gal	21.96floz	1.00 ac
8/6/2021	8:50am	12:40pm	65 minutes	Demand CS	Lambda-cyhalothrin	21.78 oz/ac	Water		87.88 gal	23.16floz	1.21 ac
8/12/2021	9:30am	1:00pm	84.88 minutes	Demand CS	Lambda-cyhalothrin	21.78 oz/ac	Water		133.78 gal	35.25floz	1.62ac
8/13/2021	8:00am	11:45am	45 minutes	Demand CS	Lambda-cyhalothrin	21.78 oz/ac	Water		89.98 gal	23.75floz	1.09 ac
8/19/2021	7:17am	12:35pm	22 minutes	Demand CS	Lambda-cyhalothrin	21.78 oz/ac	Water		18.40 gal	23.46floz	.26 ac
8/19/2021	8:10am	12:01pm	89 minutes	Demand CS	Lambda-cyhalothrin	21.78 oz/ac	Water		155.52 gal	40.96floz	1.88 ac
8/26/2021	7:43am	11:53am	65 minutes	Demand CS	Lambda-cyhalothrin	21.78oz/ac	Water		121.26 gal	32floz	1.46 ac
8/26/2021	7:22am	11:36am	24 minutes	Demand CS	Lambda-cyhalothrin	21.78oz/ac	Water		63.55 gal	16.75floz	.192 ac
9/2/2021	7:31am	11:47am	102 minutes	Demand CS	Lambda-cyhalothrin	21.78oz/ac	Water		109.62 gal	16.68floz	.767 ac
9/10/2021	8:18am	11:16am	40 minutes	Demand CS	Lambda-cyhalothrin	21.78oz/ac	Water		74 gal	21.08floz	.89 ac
10/7/2021	9:53am	2:02pm	60 minutes	Demand CS	Lambda-cyhalothrin	21.78oz/ac	Water		111.58gal	29.44floz	1.35ac
10/7/2021	10:45am	11:45pm	60 minutes	Demand CS	Lambda-cyhalothrin	21.78oz/ac	Water		59.2gal	17.65floz	.71ac

Appendix A-1
CVMVCD Adulticiding Record 2021 - Barrier Spray Applications

App. Rate	Technician	Equipment	Nozzle	Pressure	Flow Setting	Speed	Spray Miles	Swath	Wind Speed	Wind Direction	Temperature	RH	Map	Habitat
.8floz/1,600sqft	Vargas, Marco	Range 1, SP1	Cone	20	2gal/min	3 mph	1.9 mi	4'	1.5 mph	East	77	34%	The Vintage (interior) (Yes)	Residential
.8floz/1,600sqft	ndo G and Rap	Ranger 1, SP1	Cone	20	2gal/min	3 mph	2.17 mi	4'	1 mph	NW	92	37%	Johnson St Trap 611 (Yes)	Shoreline
.8floz/1,600sqft	han Z and Ran	Ranger 5, PS1	Cone	20	2gal/min	3 mph	2.35 mi	4'	1 mph	NW	90	43%	Johnson St Trap 611 (Yes)	Shoreline
.8floz/1,600sqft	sa K. and Raph	Ranger 1, SP1	Cone	20	2gal/min	3 mph	2.5 mi	4'	1 mph	N	89	64%	Hideaway (Yes)	Residential
.8floz/1600sqft	n G. and Rapha	Ranger 5, PS1	Cone	20	2gal/min	3mph	4.24 mi	4'	1 mph	NW	97	48%	Shoreline/Rural (Yes)	Shoreline
.8floz/1600sqft	n G. and Johnn	Ranger 5, PS2	Cone	20	2gal/min	3 mph	2.24 mi	4'	5 mph	S	97	22%	Shoreline/Rural (Yes)	Shoreline
.8floz/1600sqft	Jess Lucia	cronair Ranger	Cone	20	2gal/min	3 mph	.46 mi	4'	9 mph	NW	80	43%	Trap 35-Rural/Duck Clubs (Yes)	Rural
.8floz/1600sqft	ernandez and V	anger 1 and PS	Cone	20	2gal/min	3 mph	2.48 mi	4'	9 mph	NW	81	44%	Trap 35-Rural/Duck Clubs (Yes)	Rural
.8floz/1600sqft	ernandez and V	anger 1 and PS	Cone	20	2gal/min	3 mph	3.03 mi	4'	3 mph	NW	90	20%	Mecca-Duck Club/Shoreline (Yes)	Rural
.8floz/1600sqft	Jess Lucia	ger#5 and Micr	Cone	20	2gal/min	3 mph	1.59 mi	4'	3 mph	NW	90	25%	Mecca-Duck Club/Shoreline (Yes)	Rural
.8floz/1600sqft	Jess Lucia	er #5 and Micr	Cone	20	2gal/min	3 mph	1.55 mi	4'	3 mph	NW	80	50%	Thermal/Oasis (N/A)	Rural
.8floz/1600sqft	ernandez and	anger #1 and P	Cone	20	2gal/min	3 mph	1.84 mi	4'	3 mph	SE	93	46%	Shoreline/Rural (N/A)	Rural
.8floz/1600sqft	nandez and Vic	anger 1 and PS	Cone	20	2gal/min	3 mph	2.79 mi	4'	3 mph	NW	76	52%	Wheeler, Garfield, Gun Club (East)	Rural/Shoreline
.8floz/1600sqft	Fernando G	ger 5 and Micr	Cone	20	2gal/min	3 mph	1.48 mi	4'	3 mph	NW	78	45%	Northshore, shoreline South of Salton Sea Rec.	Shoreline

Appendix A-1
CVMVCD Adulticiding Record 2021 - Truck ULV Applications

[illegible]



APPENDIX B

Biological Resources Data

CNDDDB Quad Species List 16 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Birds	Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	ABPBG02095	None	None	SSC	-	3311644	COLLINS VALLEY	Unprocessed	Animals - Birds - Troglodytidae - Campylorhynchus brunneicapillus sandiegensis
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311644	COLLINS VALLEY	Mapped and Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Insects	Juniperella mirabilis	juniper metallic wood-boring beetle	IICOLX9010	None	None	-	-	3311644	COLLINS VALLEY	Mapped	Animals - Insects - Buprestidae - Juniperella mirabilis
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311644	COLLINS VALLEY	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311644	COLLINS VALLEY	Unprocessed	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3311644	COLLINS VALLEY	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Aspidocheilus tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311644	COLLINS VALLEY	Unprocessed	Animals - Reptiles - Teiidae - Aspidocheilus tigris stejnegeri
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311644	COLLINS VALLEY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311644	COLLINS VALLEY	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Caulanthus simulans	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311644	COLLINS VALLEY	Unprocessed	Plants - Vascular - Brassicaceae - Caulanthus simulans
Plants - Vascular	Lepidium flavum var. felipense	Blair Valley pepper-grass	PDBRA1M0B1	None	None	-	1B.2	3311644	COLLINS VALLEY	Mapped	Plants - Vascular - Brassicaceae - Lepidium flavum var. felipense
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311644	COLLINS VALLEY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311644	COLLINS VALLEY	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311644	COLLINS VALLEY	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Leptosiphon floribundus ssp. hallii	Santa Rosa Mountains leptosiphon	PDPLM090J3	None	None	-	1B.3	3311644	COLLINS VALLEY	Mapped	Plants - Vascular - Polemoniaceae - Leptosiphon floribundus ssp. hallii
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311644	COLLINS VALLEY	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi

CNDDDB 9-Quad Species List 205 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Amphibians	Scaphiopus couchii	Couch's spadefoot	AAABF01020	None	None	SSC	-	3311558	MORTMAR	Mapped	Animals - Amphibians - Scaphiopodidae - Scaphiopus couchii
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311566	HAYFIELD	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311568	COTTONWOOD BASIN	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311556	RED CANYON	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3311556	RED CANYON	Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311568	COTTONWOOD BASIN	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Ixobrychus exilis	least bittern	ABNGA02010	None	None	SSC	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Ardeidae - Ixobrychus exilis
Animals - Birds	Ixobrychus exilis	least bittern	ABNGA02010	None	None	SSC	-	3311557	OROCOPIA CANYON	Mapped	Animals - Birds - Ardeidae - Ixobrychus exilis
Animals - Birds	Charadrius montanus	mountain plover	ABNNB03100	None	None	SSC	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Charadriidae - Charadrius montanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311556	RED CANYON	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311566	HAYFIELD	Mapped	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus

Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311568	COTTONWOOD BASIN	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311556	RED CANYON	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311568	COTTONWOOD BASIN	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311566	HAYFIELD	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Chlidonias niger	black tern	ABNNM10020	None	None	SSC	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Laridae - Chlidonias niger
Animals - Birds	Larus californicus	California gull	ABNNM03110	None	None	WL	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Laridae - Larus californicus
Animals - Birds	Rynchops niger	black skimmer	ABNNM14010	None	None	SSC	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Laridae - Rynchops niger
Animals - Birds	Toxostoma bendirei	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3311578	WASHINGTON WASH	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma bendirei
Animals - Birds	Toxostoma bendirei	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3311577	PORCUPINE WASH	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma bendirei
Animals - Birds	Toxostoma bendirei	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma bendirei
Animals - Birds	Toxostoma bendirei	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3311566	HAYFIELD	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma bendirei
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311577	PORCUPINE WASH	Mapped	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Pandionidae - Pandion haliaetus
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311577	PORCUPINE WASH	Mapped	Animals - Birds - Parulidae - Setophaga petechia

Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Melospiza aberti	Abert's towhee	ABPBX74050	None	None	-	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Passerellidae - Melospiza aberti
Animals - Birds	Melospiza aberti	Abert's towhee	ABPBX74050	None	None	-	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Passerellidae - Melospiza aberti
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Pelecanus erythrorhynchos	American white pelican	ABNFC01010	None	None	SSC	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Pelecanidae - Pelecanus erythrorhynchos
Animals - Birds	Pelecanus erythrorhynchos	American white pelican	ABNFC01010	None	None	SSC	-	3311566	HAYFIELD	Unprocessed	Animals - Birds - Pelecanidae - Pelecanus erythrorhynchos
Animals - Birds	Nannopterum auritum	double-crested cormorant	ABNFD01020	None	None	WL	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Phalacrocoracidae - Nannopterum auritum
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311566	HAYFIELD	Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311556	RED CANYON	Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3311557	OROCOPIA CANYON	Mapped and Unprocessed	Animals - Birds - Rallidae - Laterallus jamaicensis coturniculus
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3311558	MORTMAR	Mapped	Animals - Birds - Rallidae - Laterallus jamaicensis coturniculus
Animals - Birds	Rallus obsoletus yumanensis	Yuma Ridgway's rail	ABNME0501A	Endangered	Threatened	FP	-	3311557	OROCOPIA CANYON	Mapped and Unprocessed	Animals - Birds - Rallidae - Rallus obsoletus yumanensis
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311568	COTTONWOOD BASIN	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Micrathene whitneyi	elf owl	ABNSB09010	None	Endangered	-	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Birds - Strigidae - Micrathene whitneyi
Animals - Birds	Plegadis chihi	white-faced ibis	ABNGE02020	None	None	WL	-	3311558	MORTMAR	Mapped	Animals - Birds - Threskiornithidae - Plegadis chihi
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Birds - Trochilidae - Calypte costae

Animals - Birds	<i>Calypte costae</i>	Costa's hummingbird	ABNUC47020	None	None	-	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Trochilidae - <i>Calypte costae</i>
Animals - Birds	<i>Contopus cooperi</i>	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Tyrannidae - <i>Contopus cooperi</i>
Animals - Birds	<i>Empidonax traillii brewsteri</i>	little willow flycatcher	ABPAE33041	None	Endangered	-	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Tyrannidae - <i>Empidonax traillii brewsteri</i>
Animals - Birds	<i>Empidonax traillii extimus</i>	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Birds - Tyrannidae - <i>Empidonax traillii extimus</i>
Animals - Birds	<i>Empidonax traillii extimus</i>	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311558	MORTMAR	Unprocessed	Animals - Birds - Tyrannidae - <i>Empidonax traillii extimus</i>
Animals - Birds	<i>Myiarchus tyrannulus</i>	brown-crested flycatcher	ABPAE43080	None	None	WL	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Birds - Tyrannidae - <i>Myiarchus tyrannulus</i>
Animals - Birds	<i>Vireo bellii pusillus</i>	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311567	COTTONWOOD SPRING	Mapped	Animals - Birds - Vireonidae - <i>Vireo bellii pusillus</i>
Animals - Fish	<i>Cyprinodon macularius</i>	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311558	MORTMAR	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - <i>Cyprinodon macularius</i>
Animals - Insects	<i>Trichinorhipis knulli</i>	Knull's metallic wood-boring beetle	IICOLX1100	None	None	-	-	3311558	MORTMAR	Mapped	Animals - Insects - Buprestidae - <i>Trichinorhipis knulli</i>
Animals - Insects	<i>Trichinorhipis knulli</i>	Knull's metallic wood-boring beetle	IICOLX1100	None	None	-	-	3311568	COTTONWOOD BASIN	Mapped	Animals - Insects - Buprestidae - <i>Trichinorhipis knulli</i>
Animals - Insects	<i>Oliarces clara</i>	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311558	MORTMAR	Mapped	Animals - Insects - Ithonidae - <i>Oliarces clara</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311558	MORTMAR	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311557	OROCOPIA CANYON	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311568	COTTONWOOD BASIN	Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311556	RED CANYON	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311576	CONEJO WELL	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311577	PORCUPINE WASH	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311566	HAYFIELD	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>

Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311577	PORCUPINE WASH	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311567	COTTONWOOD SPRING	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311568	COTTONWOOD BASIN	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311557	OROCOPIA CANYON	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311558	MORTMAR	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311557	OROCOPIA CANYON	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311577	PORCUPINE WASH	Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311568	COTTONWOOD BASIN	Mapped	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311558	MORTMAR	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311568	COTTONWOOD BASIN	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Mammals - Molossidae - Nyctinomops femorosaccus

Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3311568	COTTONWOOD BASIN	Unprocessed	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3311558	MORTMAR	Mapped	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311558	MORTMAR	Mapped	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311568	COTTONWOOD BASIN	Mapped	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311577	PORCUPINE WASH	Mapped	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Euderma maculatum	spotted bat	AMACC07010	None	None	SSC	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Mammals - Vespertilionidae - Euderma maculatum
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus cinereus
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus cinereus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3311557	OROCOPIA CANYON	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis yumanensis
Animals - Mollusks	Eremarionta morongoana	Morongo (=Colorado) desert snail	IMGASB9070	None	None	-	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Mollusks - Helminthoglyptidae - Eremarionta morongoana
Animals - Reptiles	Salvadora hexalepis virgulata	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3311567	COTTONWOOD SPRING	Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgulata
Animals - Reptiles	Uma scoparia	Mojave fringe-toed lizard	ARACF15030	None	None	SSC	-	3311576	CONEJO WELL	Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma scoparia
Animals - Reptiles	Uma scoparia	Mojave fringe-toed lizard	ARACF15030	None	None	SSC	-	3311577	PORCUPINE WASH	Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma scoparia
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311577	PORCUPINE WASH	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311576	CONEJO WELL	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii

Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311566	HAYFIELD	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311578	WASHINGTON WASH	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311568	COTTONWOOD BASIN	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311556	RED CANYON	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311557	OROCOPIA CANYON	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311558	MORTMAR	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311558	MORTMAR	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311557	OROCOPIA CANYON	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311567	COTTONWOOD SPRING	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311566	HAYFIELD	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311577	PORCUPINE WASH	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Plants - Bryophytes	Jaffueliobryum wrightii	Wright's jaffueliobryum moss	NBMUS97020	None	None	-	2B.3	3311576	CONEJO WELL	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum wrightii
Plants - Bryophytes	Jaffueliobryum wrightii	Wright's jaffueliobryum moss	NBMUS97020	None	None	-	2B.3	3311567	COTTONWOOD SPRING	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum wrightii
Plants - Bryophytes	Jaffueliobryum wrightii	Wright's jaffueliobryum moss	NBMUS97020	None	None	-	2B.3	3311558	MORTMAR	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum wrightii
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3311577	PORCUPINE WASH	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3311578	WASHINGTON WASH	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Allium parishii	Parish's onion	PMLIL021N0	None	None	-	4.3	3311577	PORCUPINE WASH	Unprocessed	Plants - Vascular - Alliaceae - Allium parishii
Plants - Vascular	Allium parishii	Parish's onion	PMLIL021N0	None	None	-	4.3	3311567	COTTONWOOD SPRING	Unprocessed	Plants - Vascular - Alliaceae - Allium parishii
Plants - Vascular	Spermolepis gigantea	desert scaleseed	PDAP105020	None	None	-	2B.1	3311566	HAYFIELD	Mapped	Plants - Vascular - Apiaceae - Spermolepis gigantea
Plants - Vascular	Funastrum utahense	Utah vine milkweed	PDASC050M0	None	None	-	4.2	3311566	HAYFIELD	Unprocessed	Plants - Vascular - Apocynaceae - Funastrum utahense

Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311566	HAYFIELD	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311567	COTTONWOOD SPRING	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311556	RED CANYON	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Hulsea vestita ssp. callicarpa	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311566	HAYFIELD	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpa
Plants - Vascular	Hulsea vestita ssp. callicarpa	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311576	CONEJO WELL	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpa
Plants - Vascular	Stylocline sonorensis	mesquite neststraw	PDAST8Y060	None	None	-	2A	3311566	HAYFIELD	Mapped	Plants - Vascular - Asteraceae - Stylocline sonorensis
Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311558	MORTMAR	Mapped and Unprocessed	Plants - Vascular - Asteraceae - Xylorhiza cognata
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311558	MORTMAR	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311568	COTTONWOOD BASIN	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Coryphantha alversonii	Alverson's foxtail cactus	PDCAC0X060	None	None	-	4.3	3311568	COTTONWOOD BASIN	Mapped and Unprocessed	Plants - Vascular - Cactaceae - Coryphantha alversonii
Plants - Vascular	Coryphantha alversonii	Alverson's foxtail cactus	PDCAC0X060	None	None	-	4.3	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Plants - Vascular - Cactaceae - Coryphantha alversonii
Plants - Vascular	Coryphantha alversonii	Alverson's foxtail cactus	PDCAC0X060	None	None	-	4.3	3311566	HAYFIELD	Unprocessed	Plants - Vascular - Cactaceae - Coryphantha alversonii
Plants - Vascular	Nemacladus gracilis	graceful nemacladus	PDCAM0F030	None	None	-	4.3	3311567	COTTONWOOD SPRING	Unprocessed	Plants - Vascular - Campanulaceae - Nemacladus gracilis
Plants - Vascular	Cladium californicum	California saw-grass	PMCYP04010	None	None	-	2B.2	3311557	OROCOPIA CANYON	Mapped	Plants - Vascular - Cyperaceae - Cladium californicum
Plants - Vascular	Ditaxis serrata var. californica	California ditaxis	PDEUP08050	None	None	-	3.2	3311558	MORTMAR	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis serrata var. californica
Plants - Vascular	Ditaxis serrata var. californica	California ditaxis	PDEUP08050	None	None	-	3.2	3311567	COTTONWOOD SPRING	Mapped and Unprocessed	Plants - Vascular - Euphorbiaceae - Ditaxis serrata var. californica
Plants - Vascular	Ditaxis serrata var. californica	California ditaxis	PDEUP08050	None	None	-	3.2	3311568	COTTONWOOD BASIN	Unprocessed	Plants - Vascular - Euphorbiaceae - Ditaxis serrata var. californica
Plants - Vascular	Ditaxis serrata var. californica	California ditaxis	PDEUP08050	None	None	-	3.2	3311566	HAYFIELD	Mapped and Unprocessed	Plants - Vascular - Euphorbiaceae - Ditaxis serrata var. californica
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3311566	HAYFIELD	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Euphorbia jaegeri	Orocopia Mountains spurge	PDEUP0Q440	None	None	-	1B.1	3311566	HAYFIELD	Mapped and Unprocessed	Plants - Vascular - Euphorbiaceae - Euphorbia jaegeri

Plants - Vascular	Euphorbia jaegeri	Orocopia Mountains spurge	PDEUP0Q440	None	None	-	1B.1	3311556	RED CANYON	Unprocessed	Plants - Vascular - Euphorbiaceae - Euphorbia jaegeri
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311567	COTTONWOOD SPRING	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311577	PORCUPINE WASH	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311576	CONEJO WELL	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311566	HAYFIELD	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311558	MORTMAR	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus insularis var. harwoodii	Harwood's milk-vetch	PDFAB0F491	None	None	-	2B.2	3311576	CONEJO WELL	Mapped	Plants - Vascular - Fabaceae - Astragalus insularis var. harwoodii
Plants - Vascular	Astragalus sabulorum	gravel milk-vetch	PDFAB0F7R0	None	None	-	2B.2	3311558	MORTMAR	Mapped	Plants - Vascular - Fabaceae - Astragalus sabulorum
Plants - Vascular	Astragalus tricarlinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311557	OROCOPIA CANYON	Mapped	Plants - Vascular - Fabaceae - Astragalus tricarlinatus
Plants - Vascular	Astragalus tricarlinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311566	HAYFIELD	Mapped	Plants - Vascular - Fabaceae - Astragalus tricarlinatus
Plants - Vascular	Astragalus tricarlinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311567	COTTONWOOD SPRING	Mapped	Plants - Vascular - Fabaceae - Astragalus tricarlinatus
Plants - Vascular	Astragalus tricarlinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311556	RED CANYON	Mapped	Plants - Vascular - Fabaceae - Astragalus tricarlinatus
Plants - Vascular	Senna covesii	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311556	RED CANYON	Mapped	Plants - Vascular - Fabaceae - Senna covesii
Plants - Vascular	Senna covesii	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311567	COTTONWOOD SPRING	Mapped	Plants - Vascular - Fabaceae - Senna covesii
Plants - Vascular	Senna covesii	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311568	COTTONWOOD BASIN	Mapped	Plants - Vascular - Fabaceae - Senna covesii
Plants - Vascular	Senna covesii	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311566	HAYFIELD	Mapped	Plants - Vascular - Fabaceae - Senna covesii
Plants - Vascular	Senna covesii	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311557	OROCOPIA CANYON	Mapped	Plants - Vascular - Fabaceae - Senna covesii
Plants - Vascular	Senna covesii	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311558	MORTMAR	Mapped	Plants - Vascular - Fabaceae - Senna covesii
Plants - Vascular	Juncus cooperi	Cooper's rush	PMJUN010T0	None	None	-	4.3	3311557	OROCOPIA CANYON	Unprocessed	Plants - Vascular - Juncaceae - Juncus cooperi
Plants - Vascular	Salvia greatae	Orocopia sage	PDLAM1S0P0	None	None	-	1B.3	3311557	OROCOPIA CANYON	Mapped	Plants - Vascular - Lamiaceae - Salvia greatae
Plants - Vascular	Salvia greatae	Orocopia sage	PDLAM1S0P0	None	None	-	1B.3	3311558	MORTMAR	Mapped	Plants - Vascular - Lamiaceae - Salvia greatae

Plants - Vascular	Salvia greatae	Orocoxia sage	PDLAM1S0P0	None	None	-	1B.3	3311556	RED CANYON	Mapped and Unprocessed	Plants - Vascular - Lamiaceae - Salvia greatae
Plants - Vascular	Mentzelia tricuspid	spiny-hair blazing star	PDLOA031T0	None	None	-	2B.1	3311567	COTTONWOOD SPRING	Mapped	Plants - Vascular - Loasaceae - Mentzelia tricuspid
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311556	RED CANYON	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311557	OROCOPIA CANYON	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311567	COTTONWOOD SPRING	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311566	HAYFIELD	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311558	MORTMAR	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Chylismia arenaria	sand evening-primrose	PDONA03020	None	None	-	2B.2	3311566	HAYFIELD	Mapped and Unprocessed	Plants - Vascular - Onagraceae - Chylismia arenaria
Plants - Vascular	Chylismia arenaria	sand evening-primrose	PDONA03020	None	None	-	2B.2	3311556	RED CANYON	Mapped and Unprocessed	Plants - Vascular - Onagraceae - Chylismia arenaria
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311567	COTTONWOOD SPRING	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311577	PORCUPINE WASH	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311578	WASHINGTON WASH	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Tetracoccus hallii	Hall's tetracoccus	PDEUP1C021	None	None	-	4.3	3311566	HAYFIELD	Unprocessed	Plants - Vascular - Picrodendraceae - Tetracoccus hallii
Plants - Vascular	Tetracoccus hallii	Hall's tetracoccus	PDEUP1C021	None	None	-	4.3	3311577	PORCUPINE WASH	Unprocessed	Plants - Vascular - Picrodendraceae - Tetracoccus hallii
Plants - Vascular	Tetracoccus hallii	Hall's tetracoccus	PDEUP1C021	None	None	-	4.3	3311567	COTTONWOOD SPRING	Unprocessed	Plants - Vascular - Picrodendraceae - Tetracoccus hallii
Plants - Vascular	Pseudorontium cyathiferum	Deep Canyon snapdragon	PDSCR2R010	None	None	-	2B.3	3311556	RED CANYON	Mapped	Plants - Vascular - Plantaginaceae - Pseudorontium cyathiferum
Plants - Vascular	Panicum hirticaule ssp. hirticaule	roughstalk witch grass	PMPOA4K170	None	None	-	2B.1	3311566	HAYFIELD	Mapped	Plants - Vascular - Poaceae - Panicum hirticaule ssp. hirticaule
Plants - Vascular	Saltugilia latimeri	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3311558	MORTMAR	Mapped	Plants - Vascular - Polemoniaceae - Saltugilia latimeri
Plants - Vascular	Polygala acanthoclada	thorny milkwort	PDPGL02020	None	None	-	2B.3	3311577	PORCUPINE WASH	Mapped	Plants - Vascular - Polygalaceae - Polygala acanthoclada
Plants - Vascular	Chorizanthe leptotheca	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311566	HAYFIELD	Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe leptotheca
Plants - Vascular	Colubrina californica	Las Animas colubrina	PDRHA05030	None	None	-	2B.3	3311566	HAYFIELD	Mapped	Plants - Vascular - Rhamnaceae - Colubrina californica
Plants - Vascular	Colubrina californica	Las Animas colubrina	PDRHA05030	None	None	-	2B.3	3311577	PORCUPINE WASH	Mapped	Plants - Vascular - Rhamnaceae - Colubrina californica

Plants - Vascular	Colubrina californica	Las Animas colubrina	PDRHA05030	None	None	-	2B.3	3311556	RED CANYON	Mapped	Plants - Vascular - Rhamnaceae - Colubrina californica
Plants - Vascular	Condalia globosa var. pubescens	spiny abrojo	PDRHA06031	None	None	-	4.2	3311556	RED CANYON	Unprocessed	Plants - Vascular - Rhamnaceae - Condalia globosa var. pubescens
Plants - Vascular	Condalia globosa var. pubescens	spiny abrojo	PDRHA06031	None	None	-	4.2	3311566	HAYFIELD	Unprocessed	Plants - Vascular - Rhamnaceae - Condalia globosa var. pubescens
Plants - Vascular	Castela emoryi	Emory's crucifixion-thorn	PDSIM03030	None	None	-	2B.2	3311566	HAYFIELD	Mapped	Plants - Vascular - Simaroubaceae - Castela emoryi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311558	MORTMAR	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi

CNDDDB 9-Quad Species List 553 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Amphibians	Anaxyrus californicus	arroyo toad	AAABB01230	Endangered	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Amphibians - Bufonidae - Anaxyrus californicus
Animals - Amphibians	Ensatina eschscholtzii croceator	yellow-blotched salamander	AAAAD04011	None	None	WL	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Amphibians - Plethodontidae - Ensatina eschscholtzii croceator
Animals - Amphibians	Ensatina eschscholtzii klauberi	large-blotched salamander	AAAAD04013	None	None	WL	-	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Animals - Amphibians - Plethodontidae - Ensatina eschscholtzii klauberi
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Amphibians - Ranidae - Rana draytonii
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Amphibians - Ranidae - Rana draytonii
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Amphibians - Ranidae - Rana draytonii
Animals - Amphibians	Rana muscosa	southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	WL	-	3311686	WHITE WATER	Mapped	Animals - Amphibians - Ranidae - Rana muscosa
Animals - Amphibians	Rana muscosa	southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	WL	-	3311675	PALM SPRINGS	Mapped	Animals - Amphibians - Ranidae - Rana muscosa
Animals - Amphibians	Rana muscosa	southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	WL	-	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Animals - Amphibians - Ranidae - Rana muscosa
Animals - Arachnids	Calileptoneta oasa	Andreas Canyon leptonetid spider	ILARAU6020	None	None	-	-	3311675	PALM SPRINGS	Mapped	Animals - Arachnids - Leptonetidae - Calileptoneta oasa
Animals - Arachnids	Texella deserticola	Whitewater Canyon harvestman	ILARA25160	None	None	-	-	3311686	WHITE WATER	Mapped	Animals - Arachnids - Phalangodidae - Texella deserticola
Animals - Arachnids	Texella deserticola	Whitewater Canyon harvestman	ILARA25160	None	None	-	-	3411616	CATCLAW FLAT	Mapped	Animals - Arachnids - Phalangodidae - Texella deserticola
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii

Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter gentilis	northern goshawk	ABNKC12060	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Accipitridae - Accipiter gentilis
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3411616	CATCLAW FLAT	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Buteo regalis	ferruginous hawk	ABNKC19120	None	None	WL	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Accipitridae - Buteo regalis
Animals - Birds	Buteo regalis	ferruginous hawk	ABNKC19120	None	None	WL	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Accipitridae - Buteo regalis
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus

Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Accipitridae - Haliaeetus leucocephalus
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Aythya americana	redhead	ABNJB11030	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Anatidae - Aythya americana
Animals - Birds	Aythya valisineria	canvasback	ABNJB11020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Anatidae - Aythya valisineria
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Cypseloides niger	black swift	ABNUA01010	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Apodidae - Cypseloides niger
Animals - Birds	Cypseloides niger	black swift	ABNUA01010	None	None	SSC	-	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Animals - Birds - Apodidae - Cypseloides niger
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus

Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Piranga flava	hepatic tanager	ABPBX45020	None	None	WL	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Cardinalidae - Piranga flava
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Gymnogyps californianus	California condor	ABNKA03010	Endangered	Endangered	FP	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Cathartidae - Gymnogyps californianus
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Cuculidae - Coccyzus americanus occidentalis
Animals - Birds	Falco columbarius	merlin	ABNKD06030	None	None	WL	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Falconidae - Falco columbarius
Animals - Birds	Falco columbarius	merlin	ABNKD06030	None	None	WL	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Falconidae - Falco columbarius
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3411616	CATCLAW FLAT	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus

Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Gavia immer	common loon	ABNBA01030	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Gaviidae - Gavia immer
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Hirundinidae - Progne subis
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus

Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Larus californicus	California gull	ABNNM03110	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Laridae - Larus californicus
Animals - Birds	Toxostoma bendirei	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Mimidae - Toxostoma bendirei
Animals - Birds	Toxostoma bendirei	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Mimidae - Toxostoma bendirei
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Mapped	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Pandionidae - Pandion haliaetus
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Pandionidae - Pandion haliaetus
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae

Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Mapped and Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Ammodramus savannarum	grasshopper sparrow	ABPBXA0020	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Passerellidae - Ammodramus savannarum
Animals - Birds	Melospiza aberti	Abert's towhee	ABPBX74050	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Passerellidae - Melospiza aberti
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus

Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Pelecanus erythrorhynchos	American white pelican	ABNFC01010	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Pelecanidae - Pelecanus erythrorhynchos
Animals - Birds	Pelecanus erythrorhynchos	American white pelican	ABNFC01010	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Pelecanidae - Pelecanus erythrorhynchos
Animals - Birds	Nannopterum auritum	double-crested cormorant	ABNFD01020	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Phalacrocoracidae - Nannopterum auritum
Animals - Birds	Melanerpes lewis	Lewis' woodpecker	ABNYF04010	None	None	-	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Picidae - Melanerpes lewis
Animals - Birds	Melanerpes lewis	Lewis' woodpecker	ABNYF04010	None	None	-	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Picidae - Melanerpes lewis
Animals - Birds	Sphyrapicus ruber	red-breasted sapsucker	ABNYF05020	None	None	-	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Picidae - Sphyrapicus ruber
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Birds - Polioptilidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Birds - Polioptilidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Polioptilidae - Polioptila californica californica

Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Asio flammeus	short-eared owl	ABNSB13040	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Strigidae - Asio flammeus
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Psiloscops flammeolus	flamulated owl	ABNSB01020	None	None	-	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Birds - Strigidae - Psiloscops flammeolus
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Birds - Strigidae - Strix occidentalis occidentalis
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3311686	WHITE WATER	Mapped	Animals - Birds - Strigidae - Strix occidentalis occidentalis
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3411616	CATCLAW FLAT	Mapped	Animals - Birds - Strigidae - Strix occidentalis occidentalis
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Trochilidae - Calypte costae

Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Empidonax traillii brewsteri	little willow flycatcher	ABPAE33041	None	Endangered	-	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii brewsteri
Animals - Birds	Empidonax traillii brewsteri	little willow flycatcher	ABPAE33041	None	Endangered	-	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii brewsteri

Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Myiarchus tyrannulus	brown-crested flycatcher	ABPAE43080	None	None	WL	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Tyrannidae - Myiarchus tyrannulus
Animals - Birds	Myiarchus tyrannulus	brown-crested flycatcher	ABPAE43080	None	None	WL	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Myiarchus tyrannulus
Animals - Birds	Pyrocephalus rubinus	vermillion flycatcher	ABPAE36010	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Pyrocephalus rubinus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3411614	YUCCA VALLEY SOUTH	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3411616	CATCLAW FLAT	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311684	SEVEN PALMS VALLEY	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo vicinior	gray vireo	ABPBW01140	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Birds - Vireonidae - Vireo vicinior
Animals - Birds	Vireo vicinior	gray vireo	ABPBW01140	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Birds - Vireonidae - Vireo vicinior
Animals - Birds	Vireo vicinior	gray vireo	ABPBW01140	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Birds - Vireonidae - Vireo vicinior
Animals - Fish	Rhinichthys osculus ssp. 8	Santa Ana speckled dace	AFCJB3705K	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Fish - Cyprinidae - Rhinichthys osculus ssp. 8
Animals - Fish	Oncorhynchus mykiss irideus pop. 10	steelhead - southern California DPS	AFCHA0209J	Endangered	None	-	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 10
Animals - Insects	Bombus caliginosus	obscure bumble bee	IIHYM24380	None	None	-	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Insects - Apidae - Bombus caliginosus
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	None	-	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Insects - Apidae - Bombus crotchii
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	None	-	-	3311675	PALM SPRINGS	Mapped	Animals - Insects - Apidae - Bombus crotchii

Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	None	-	-	3311686	WHITE WATER	Mapped	Animals - Insects - Apidae - Bombus crotchii
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Mapped	Animals - Insects - Apidae - Bombus crotchii
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	None	-	-	3411615	MORONGO VALLEY	Mapped	Animals - Insects - Apidae - Bombus crotchii
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Paranomada californica	California cuckoo bee	IIHYM82010	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Mapped	Animals - Insects - Apidae - Paranomada californica
Animals - Insects	Parnopes borregoensis	Borrego parnopes cuckoo wasp	IIHYM73010	None	None	-	-	3411615	MORONGO VALLEY	Mapped	Animals - Insects - Chrysididae - Parnopes borregoensis
Animals - Insects	Halictus harmonius	haromonius halictid bee	IIHYM75010	None	None	-	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Insects - Halictidae - Halictus harmonius
Animals - Insects	Oliarces clara	cheeseweed owfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311686	WHITE WATER	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311686	WHITE WATER	Mapped	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Stenopelmatus cahillaensis	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Insects - Stenopelmatus cahillaensis
Animals - Insects	Stenopelmatus cahillaensis	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Insects - Stenopelmatus cahillaensis

Animals - Insects	Stenopelmatus cahullaensis	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Stenopelmatidae - Stenopelmatus cahullaensis
Animals - Insects	Stenopelmatus cahullaensis	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Insects - Stenopelmatidae - Stenopelmatus cahullaensis
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3411614	YUCCA VALLEY SOUTH	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Mammals - Cricetidae - Neotoma lepida intermedia

Animals - Mammals	Lynx rufus pallescens	pallid bobcat	AMAJH03022	None	None	-	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Mammals - Felidae - Lynx rufus pallescens
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	AMAFD03144	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami collinus
Animals - Mammals	Dipodomys simulans	Dulzura kangaroo rat	AMAFD03170	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys simulans
Animals - Mammals	Dipodomys simulans	Dulzura kangaroo rat	AMAFD03170	None	None	-	-	3311686	WHITE WATER	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys simulans
Animals - Mammals	Dipodomys stephensi	Stephens' kangaroo rat	AMAFD03100	Endangered	Threatened	-	-	3311686	WHITE WATER	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys stephensi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi

Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Mammals - Leporidae - Lepus californicus bennettii
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops macrotis	big free-tailed bat	AMACD04020	None	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Mammals - Molossidae - Nyctinomops macrotis
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3411616	CATCLAW FLAT	Mapped	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Glaucomys oregonensis californicus	San Bernardino flying squirrel	AMAFB09021	None	None	SSC	-	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Glaucomys oregonensis californicus
Animals - Mammals	Neotamias speciosus speciosus	lodgepole chipmunk	AMAFB02172	None	None	-	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Mammals - Sciuridae - Neotamias speciosus speciosus

Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3411615	MORONGO VALLEY	Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3311686	WHITE WATER	Mapped	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3411616	CATCLAW FLAT	Mapped	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii

Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Mammals - Vespertilionidae - Lasionycteris noctivagans
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Mapped and Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Myotis ciliolabrum	western small-footed myotis	AMACC01140	None	None	-	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis ciliolabrum
Animals - Mollusks	Eremarionta morongoana	Morongo (=Colorado) desertsnailed	IMGASB9070	None	None	-	-	3411615	MORONGO VALLEY	Mapped	Animals - Mollusks - Helminthoglyptidae - Eremarionta morongoana
Animals - Mollusks	Eremarionta morongoana	Morongo (=Colorado) desertsnailed	IMGASB9070	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mollusks - Helminthoglyptidae - Eremarionta morongoana
Animals - Mollusks	Eremarionta morongoana	Morongo (=Colorado) desertsnailed	IMGASB9070	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Mollusks - Helminthoglyptidae - Eremarionta morongoana
Animals - Mollusks	Eremarionta morongoana	Morongo (=Colorado) desertsnailed	IMGASB9070	None	None	-	-	3311686	WHITE WATER	Unprocessed	Animals - Mollusks - Helminthoglyptidae - Eremarionta morongoana
Animals - Reptiles	Anniella stebbinsi	Southern California legless lizard	ARACC01060	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Reptiles - Anniellidae - Anniella stebbinsi
Animals - Reptiles	Anniella stebbinsi	Southern California legless lizard	ARACC01060	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped	Animals - Reptiles - Anniellidae - Anniella stebbinsi
Animals - Reptiles	Anniella stebbinsi	Southern California legless lizard	ARACC01060	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Mapped	Animals - Reptiles - Anniellidae - Anniella stebbinsi
Animals - Reptiles	Charina umbratica	southern rubber boa	ARADA01011	None	Threatened	-	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Reptiles - Boidae - Charina umbratica
Animals - Reptiles	Arizona elegans occidentalis	California glossy snake	ARADB01017	None	None	SSC	-	3311686	WHITE WATER	Mapped	Animals - Reptiles - Colubridae - Arizona elegans occidentalis
Animals - Reptiles	Arizona elegans occidentalis	California glossy snake	ARADB01017	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Colubridae - Arizona elegans occidentalis
Animals - Reptiles	Coleonyx variegatus abbotti	San Diego banded gecko	ARACD01031	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Gekkonidae - Coleonyx variegatus abbotti
Animals - Reptiles	Coleonyx variegatus abbotti	San Diego banded gecko	ARACD01031	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Reptiles - Gekkonidae - Coleonyx variegatus abbotti
Animals - Reptiles	Coleonyx variegatus abbotti	San Diego banded gecko	ARACD01031	None	None	SSC	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Reptiles - Gekkonidae - Coleonyx variegatus abbotti
Animals - Reptiles	Thamnophis hammondi	two-striped gartersnake	ARADB36160	None	None	SSC	-	3411616	CATCLAW FLAT	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondi

Animals - Reptiles	Thamnophis hammondi	two-striped gartersnake	ARADB36160	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondi
Animals - Reptiles	Thamnophis hammondi	two-striped gartersnake	ARADB36160	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondi
Animals - Reptiles	Thamnophis hammondi	two-striped gartersnake	ARADB36160	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondi
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311676	SAN JACINTO PEAK	Mapped	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3411616	CATCLAW FLAT	Mapped	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3411615	MORONGO VALLEY	Mapped	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Aspidoscelis hyperythra	orange-throated whiptail	ARACJ02060	None	None	WL	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis hyperythra

Animals - Reptiles	Aspidoscelis hyperythra	orange-throated whiptail	ARACJ02060	None	None	WL	-	3311686	WHITE WATER	Mapped	Animals - Reptiles - Teiidae - Aspidoscelis hyperythra
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311686	WHITE WATER	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411614	YUCCA VALLEY SOUTH	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3411616	CATCLAW FLAT	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3411614	YUCCA VALLEY SOUTH	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3411615	MORONGO VALLEY	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311686	WHITE WATER	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311676	SAN JACINTO PEAK	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311676	SAN JACINTO PEAK	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311675	PALM SPRINGS	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland

Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311686	WHITE WATER	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3411615	MORONGO VALLEY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311684	SEVEN PALMS VALLEY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Mesquite Bosque	Mesquite Bosque	CTT61820CA	None	None	-	-	3311685	DESERT HOT SPRINGS	Mapped	Community - Terrestrial - Mesquite Bosque
Community - Terrestrial	Mesquite Bosque	Mesquite Bosque	CTT61820CA	None	None	-	-	3411615	MORONGO VALLEY	Mapped	Community - Terrestrial - Mesquite Bosque
Community - Terrestrial	Mojave Riparian Forest	Mojave Riparian Forest	CTT61700CA	None	None	-	-	3411615	MORONGO VALLEY	Mapped	Community - Terrestrial - Mojave Riparian Forest
Community - Terrestrial	Southern Riparian Forest	Southern Riparian Forest	CTT61300CA	None	None	-	-	3311675	PALM SPRINGS	Mapped	Community - Terrestrial - Southern Riparian Forest
Plants - Bryophytes	Meesia triquetra	three-ranked hump moss	NBMUS4L020	None	None	-	4.2	3311676	SAN JACINTO PEAK	Unprocessed	Plants - Bryophytes - Meesiaceae - Meesia triquetra
Plants - Bryophytes	Meesia uliginosa	broad-nerved hump moss	NBMUS4L030	None	None	-	2B.2	3311676	SAN JACINTO PEAK	Mapped	Plants - Bryophytes - Meesiaceae - Meesia uliginosa
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3411615	MORONGO VALLEY	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3411614	YUCCA VALLEY SOUTH	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Almutaster pauciflorus	alkali marsh aster	PDASTEL010	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Almutaster pauciflorus
Plants - Vascular	Ambrosia monogyra	singlewhorl burrobrush	PDAST50010	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Ambrosia monogyra
Plants - Vascular	Chaenactis parishii	Parish's chaenactis	PDAST200D0	None	None	-	1B.3	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Asteraceae - Chaenactis parishii
Plants - Vascular	Deinandra mohavensis	Mojave tarplant	PDAST4R0K0	None	Endangered	-	1B.3	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Asteraceae - Deinandra mohavensis
Plants - Vascular	Erigeron breweri var. jacinteus	San Jacinto Mountains daisy	PDAST3M0P3	None	None	-	4.3	3311676	SAN JACINTO PEAK	Unprocessed	Plants - Vascular - Asteraceae - Erigeron breweri var. jacinteus
Plants - Vascular	Erigeron breweri var. jacinteus	San Jacinto Mountains daisy	PDAST3M0P3	None	None	-	4.3	3411616	CATCLAW FLAT	Unprocessed	Plants - Vascular - Asteraceae - Erigeron breweri var. jacinteus
Plants - Vascular	Erigeron parishii	Parish's daisy	PDAST3M310	Threatened	None	-	1B.1	3411614	YUCCA VALLEY SOUTH	Mapped	Plants - Vascular - Asteraceae - Erigeron parishii
Plants - Vascular	Hulsea vestita ssp. callicarpa	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311676	SAN JACINTO PEAK	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpa
Plants - Vascular	Hulsea vestita ssp. callicarpa	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpa
Plants - Vascular	Hulsea vestita ssp. parryi	Parry's hulsea	PDAST4Z076	None	None	-	4.3	3411614	YUCCA VALLEY SOUTH	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. parryi

Plants - Vascular	<i>Hulsea vestita</i> ssp. <i>parryi</i>	Parry's hulsea	PDAST4Z076	None	None	-	4.3	3411616	CATCLAW FLAT	Unprocessed	Plants - Vascular - Asteraceae - <i>Hulsea vestita</i> ssp. <i>parryi</i>
Plants - Vascular	<i>Symphyotrichum defoliatum</i>	San Bernardino aster	PDASTE80C0	None	None	-	1B.2	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Asteraceae - <i>Symphyotrichum defoliatum</i>
Plants - Vascular	<i>Syntrichopappus lemmonii</i>	Lemmon's syntrichopappus	PDAST90020	None	None	-	4.3	3411616	CATCLAW FLAT	Unprocessed	Plants - Vascular - Asteraceae - <i>Syntrichopappus lemmonii</i>
Plants - Vascular	<i>Xylorhiza cognata</i>	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - <i>Xylorhiza cognata</i>
Plants - Vascular	<i>Johnstonella costata</i>	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Boraginaceae - <i>Johnstonella costata</i>
Plants - Vascular	<i>Johnstonella costata</i>	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - <i>Johnstonella costata</i>
Plants - Vascular	<i>Johnstonella holoptera</i>	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - <i>Johnstonella holoptera</i>
Plants - Vascular	<i>Johnstonella holoptera</i>	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Boraginaceae - <i>Johnstonella holoptera</i>
Plants - Vascular	<i>Boechera johnstonii</i>	Johnston's rockcress	PDBRA060Y0	None	None	-	1B.2	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Brassicaceae - <i>Boechera johnstonii</i>
Plants - Vascular	<i>Boechera lincolnensis</i>	Lincoln rockcress	PDBRA061M3	None	None	-	2B.3	3411615	MORONGO VALLEY	Mapped	Plants - Vascular - Brassicaceae - <i>Boechera lincolnensis</i>
Plants - Vascular	<i>Boechera parishii</i>	Parish's rockcress	PDBRA061C0	None	None	-	1B.2	3411616	CATCLAW FLAT	Mapped and Unprocessed	Plants - Vascular - Brassicaceae - <i>Boechera parishii</i>
Plants - Vascular	<i>Caulanthus simulans</i>	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Brassicaceae - <i>Caulanthus simulans</i>
Plants - Vascular	<i>Draba saxosa</i>	Southern California rock draba	PDBRA110Q2	None	None	-	1B.3	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Brassicaceae - <i>Draba saxosa</i>
Plants - Vascular	<i>Streptanthus bernardinus</i>	Laguna Mountains jewelflower	PDBRA2G060	None	None	-	4.3	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Plants - Vascular - Brassicaceae - <i>Streptanthus bernardinus</i>
Plants - Vascular	<i>Streptanthus campestris</i>	southern jewelflower	PDBRA2G0B0	None	None	-	1B.3	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Brassicaceae - <i>Streptanthus campestris</i>
Plants - Vascular	<i>Streptanthus campestris</i>	southern jewelflower	PDBRA2G0B0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Brassicaceae - <i>Streptanthus campestris</i>
Plants - Vascular	<i>Atriplex parishii</i>	Parish's brittlescale	PDCHE041D0	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Chenopodiaceae - <i>Atriplex parishii</i>
Plants - Vascular	<i>Cuscuta californica</i> var. <i>apiculata</i>	pointed dodder	PDCUS01071	None	None	-	3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Convolvulaceae - <i>Cuscuta californica</i> var. <i>apiculata</i>
Plants - Vascular	<i>Sedum niveum</i>	Davidson's stonecrop	PDCRA0A0R0	None	None	-	4.2	3311686	WHITE WATER	Unprocessed	Plants - Vascular - Crassulaceae - <i>Sedum niveum</i>
Plants - Vascular	<i>Sedum niveum</i>	Davidson's stonecrop	PDCRA0A0R0	None	None	-	4.2	3311676	SAN JACINTO PEAK	Unprocessed	Plants - Vascular - Crassulaceae - <i>Sedum niveum</i>
Plants - Vascular	<i>Sedum niveum</i>	Davidson's stonecrop	PDCRA0A0R0	None	None	-	4.2	3411616	CATCLAW FLAT	Unprocessed	Plants - Vascular - Crassulaceae - <i>Sedum niveum</i>

Plants - Vascular	Carex occidentalis	western sedge	PMCYP039M0	None	None	-	2B.3	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Cyperaceae - Carex occidentalis
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia misera	cliff spurge	PDEUP0Q1B0	None	None	-	2B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia misera
Plants - Vascular	Euphorbia misera	cliff spurge	PDEUP0Q1B0	None	None	-	2B.2	3311686	WHITE WATER	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia misera
Plants - Vascular	Euphorbia platysperma	flat-seeded spurge	PDEUP0D1X0	None	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia platysperma
Plants - Vascular	Acemispion haydonii	pygmy lotus	PDFAB2A0H0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Acemispion haydonii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311686	WHITE WATER	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3411615	MORONGO VALLEY	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus tricarlinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3411615	MORONGO VALLEY	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus tricarlinatus
Plants - Vascular	Astragalus tricarlinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3411616	CATCLAW FLAT	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus tricarlinatus

Plants - Vascular	<i>Astragalus tricarinatus</i>	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3411614	YUCCA VALLEY SOUTH	Mapped	Plants - Vascular - Fabaceae - <i>Astragalus tricarinatus</i>
Plants - Vascular	<i>Astragalus tricarinatus</i>	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Fabaceae - <i>Astragalus tricarinatus</i>
Plants - Vascular	<i>Astragalus tricarinatus</i>	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311686	WHITE WATER	Mapped and Unprocessed	Plants - Vascular - Fabaceae - <i>Astragalus tricarinatus</i>
Plants - Vascular	<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus acutus</i> ssp. <i>leopoldii</i>
Plants - Vascular	<i>Juncus duranii</i>	Duran's rush	PMJUN013T0	None	None	-	4.3	3311676	SAN JACINTO PEAK	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus duranii</i>
Plants - Vascular	<i>Monardella nana</i> ssp. <i>leptosiphon</i>	San Felipe monardella	PDLAM180F2	None	None	-	1B.2	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Plants - Vascular - Lamiaceae - <i>Monardella nana</i> ssp. <i>leptosiphon</i>
Plants - Vascular	<i>Monardella robisonii</i>	Robison's monardella	PDLAM180K0	None	None	-	1B.3	3411615	MORONGO VALLEY	Mapped	Plants - Vascular - Lamiaceae - <i>Monardella robisonii</i>
Plants - Vascular	<i>Trichostema austromontanum</i> ssp. <i>compactum</i>	Hidden Lake bluecurls	PDLAM22022	Delisted	None	-	1B.1	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Plants - Vascular - Lamiaceae - <i>Trichostema austromontanum</i> ssp. <i>compactum</i>
Plants - Vascular	<i>Calochortus palmeri</i> var. <i>munzii</i>	San Jacinto mariposa-lily	PMLIL0D121	None	None	-	1B.2	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Liliaceae - <i>Calochortus palmeri</i> var. <i>munzii</i>
Plants - Vascular	<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily	PMLIL0D122	None	None	-	1B.2	3411615	MORONGO VALLEY	Mapped	Plants - Vascular - Liliaceae - <i>Calochortus palmeri</i> var. <i>palmeri</i>
Plants - Vascular	<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily	PMLIL0D122	None	None	-	1B.2	3411616	CATCLAW FLAT	Mapped	Plants - Vascular - Liliaceae - <i>Calochortus palmeri</i> var. <i>palmeri</i>
Plants - Vascular	<i>Lilium parryi</i>	lemon lily	PMLIL1A0J0	None	None	-	1B.2	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Plants - Vascular - Liliaceae - <i>Lilium parryi</i>
Plants - Vascular	<i>Lilium parryi</i>	lemon lily	PMLIL1A0J0	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Liliaceae - <i>Lilium parryi</i>
Plants - Vascular	<i>Mentzelia tricuspidis</i>	spiny-hair blazing star	PDLOA031T0	None	None	-	2B.1	3311686	WHITE WATER	Mapped	Plants - Vascular - Loasaceae - <i>Mentzelia tricuspidis</i>
Plants - Vascular	<i>Mentzelia tricuspidis</i>	spiny-hair blazing star	PDLOA031T0	None	None	-	2B.1	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Loasaceae - <i>Mentzelia tricuspidis</i>
Plants - Vascular	<i>Petalonyx linearis</i>	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311686	WHITE WATER	Mapped	Plants - Vascular - Loasaceae - <i>Petalonyx linearis</i>
Plants - Vascular	<i>Petalonyx linearis</i>	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Loasaceae - <i>Petalonyx linearis</i>
Plants - Vascular	<i>Ayenia compacta</i>	California ayenia	PDSTE01020	None	None	-	2B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Malvaceae - <i>Ayenia compacta</i>
Plants - Vascular	<i>Horsfordia newberryi</i>	Newberry's velvet-mallow	PDMAL0J020	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Malvaceae - <i>Horsfordia newberryi</i>
Plants - Vascular	<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Nyctaginaceae - <i>Abronia villosa</i> var. <i>aurita</i>

Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311686	WHITE WATER	Mapped and Unprocessed	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Malaxis monophyllos var. brachypoda	white bog adder's-mouth	PMORC1R010	None	None	-	2B.1	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Orchidaceae - Malaxis monophyllos var. brachypoda
Plants - Vascular	Castilleja lasiorhyncha	San Bernardino Mountains owl's-clover	PDSCR0D410	None	None	-	1B.2	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Orobanchaceae - Castilleja lasiorhyncha
Plants - Vascular	Cordylanthus eremicus ssp. eremicus	desert bird's-beak	PDSCR0J042	None	None	-	4.3	3411614	YUCCA VALLEY SOUTH	Unprocessed	Plants - Vascular - Cordylanthus eremicus ssp. eremicus
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3411614	YUCCA VALLEY SOUTH	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3411616	CATCLAW FLAT	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3411615	MORONGO VALLEY	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311686	WHITE WATER	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Diplacus johnstonii	Johnston's monkeyflower	PDSCR1B1H0	None	None	-	4.3	3311686	WHITE WATER	Unprocessed	Plants - Vascular - Phymaceae - Diplacus johnstonii
Plants - Vascular	Erythranthe diffusa	Palomar monkeyflower	PDSCR1B0Z0	None	None	-	4.3	3311676	SAN JACINTO PEAK	Unprocessed	Plants - Vascular - Phymaceae - Erythranthe diffusa
Plants - Vascular	Tetracoccus hallii	Hall's tetracoccus	PDEUP1C021	None	None	-	4.3	3411614	YUCCA VALLEY SOUTH	Unprocessed	Plants - Vascular - Picrodendraceae - Tetracoccus hallii
Plants - Vascular	Penstemon clevelandii var. connatus	San Jacinto beardtongue	PDSCR1L1D2	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Plantaginaceae - Penstemon clevelandii var. connatus
Plants - Vascular	Penstemon pseudospectabilis ssp. pseudospectabilis	desert beardtongue	PDSCR1L562	None	None	-	2B.2	3311686	WHITE WATER	Mapped	Plants - Vascular - Plantaginaceae - Penstemon pseudospectabilis ssp. pseudospectabilis
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Imperata brevifolia	California satintail	PMPOA3D020	None	None	-	2B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Poaceae - Imperata brevifolia

Plants - Vascular	Imperata brevifolia	California satintail	PMPOA3D020	None	None	-	2B.1	3311686	WHITE WATER	Mapped	Plants - Vascular - Poaceae - Imperata brevifolia
Plants - Vascular	Muhlenbergia californica	California muhly	PMPOA480A0	None	None	-	4.3	3311686	WHITE WATER	Unprocessed	Plants - Vascular - Poaceae - Muhlenbergia californica
Plants - Vascular	Eriastrum harwoodii	Harwood's eriastrum	PDPLM030B1	None	None	-	1B.2	3411615	MORONGO VALLEY	Mapped	Plants - Vascular - Polemoniaceae - Eriastrum harwoodii
Plants - Vascular	Eriastrum harwoodii	Harwood's eriastrum	PDPLM030B1	None	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Eriastrum harwoodii
Plants - Vascular	Linanthus jaegeri	San Jacinto linanthus	PDPLM08030	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Linanthus jaegeri
Plants - Vascular	Linanthus jaegeri	San Jacinto linanthus	PDPLM08030	None	None	-	1B.2	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Plants - Vascular - Polemoniaceae - Linanthus jaegeri
Plants - Vascular	Linanthus maculatus ssp. maculatus	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Linanthus maculatus ssp. maculatus
Plants - Vascular	Linanthus maculatus ssp. maculatus	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311686	WHITE WATER	Mapped and Unprocessed	Plants - Vascular - Polemoniaceae - Linanthus maculatus ssp. maculatus
Plants - Vascular	Linanthus maculatus ssp. maculatus	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Linanthus maculatus ssp. maculatus
Plants - Vascular	Linanthus maculatus ssp. maculatus	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Polemoniaceae - Linanthus maculatus ssp. maculatus
Plants - Vascular	Linanthus maculatus ssp. maculatus	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3411615	MORONGO VALLEY	Mapped	Plants - Vascular - Polemoniaceae - Linanthus maculatus ssp. maculatus
Plants - Vascular	Linanthus maculatus ssp. maculatus	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3411614	YUCCA VALLEY SOUTH	Mapped	Plants - Vascular - Polemoniaceae - Linanthus maculatus ssp. maculatus
Plants - Vascular	Saltugilia latimeri	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3411614	YUCCA VALLEY SOUTH	Mapped and Unprocessed	Plants - Vascular - Polemoniaceae - Saltugilia latimeri
Plants - Vascular	Saltugilia latimeri	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3411615	MORONGO VALLEY	Mapped	Plants - Vascular - Polemoniaceae - Saltugilia latimeri
Plants - Vascular	Saltugilia latimeri	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3411616	CATCLAW FLAT	Mapped and Unprocessed	Plants - Vascular - Polemoniaceae - Saltugilia latimeri
Plants - Vascular	Saltugilia latimeri	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3311686	WHITE WATER	Mapped	Plants - Vascular - Polemoniaceae - Saltugilia latimeri
Plants - Vascular	Saltugilia latimeri	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Saltugilia latimeri
Plants - Vascular	Saltugilia latimeri	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Polemoniaceae - Saltugilia latimeri
Plants - Vascular	Chorizanthe leptotheca	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311676	SAN JACINTO PEAK	Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe leptotheca
Plants - Vascular	Chorizanthe parryi var. parryi	Parry's spineflower	PDPGN040J2	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe parryi var. parryi

Plants - Vascular	Chorizanthe parryi var. parryi	Parry's spineflower	PDPGN040J2	None	None	-	1B.1	3311686	WHITE WATER	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe parryi var. parryi
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311686	WHITE WATER	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3411616	CATCLAW FLAT	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3411615	MORONGO VALLEY	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Dodecahema leptoceras	slender-horned spineflower	PDPGN0V010	Endangered	Endangered	-	1B.1	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Dodecahema leptoceras
Plants - Vascular	Dodecahema leptoceras	slender-horned spineflower	PDPGN0V010	Endangered	Endangered	-	1B.1	3311686	WHITE WATER	Mapped	Plants - Vascular - Polygonaceae - Dodecahema leptoceras
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311686	WHITE WATER	Mapped	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Sidotheca caryophylloides	chickweed oxytheca	PDPGN0J010	None	None	-	4.3	3311676	SAN JACINTO PEAK	Unprocessed	Plants - Vascular - Polygonaceae - Sidotheca caryophylloides
Plants - Vascular	Sidotheca emarginata	white-margined oxytheca	PDPGN0J030	None	None	-	1B.3	3311676	SAN JACINTO PEAK	Mapped	Plants - Vascular - Polygonaceae - Sidotheca emarginata
Plants - Vascular	Ivesia argyrocoma var. argyrocoma	silver-haired ivesia	PDROS0X021	None	None	-	1B.2	3411616	CATCLAW FLAT	Mapped and Unprocessed	Plants - Vascular - Rosaceae - Ivesia argyrocoma var. argyrocoma
Plants - Vascular	Ivesia callida	Tahquitz ivesia	PDROS0X040	None	Rare	-	1B.3	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Plants - Vascular - Rosaceae - Ivesia callida
Plants - Vascular	Potentilla rimicola	cliff cinquefoil	PDROS1B2G0	None	None	-	2B.3	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Plants - Vascular - Rosaceae - Potentilla rimicola
Plants - Vascular	Galium angustifolium ssp. gabrielense	San Antonio Canyon bedstraw	PDRUB0N044	None	None	-	4.3	3411616	CATCLAW FLAT	Unprocessed	Plants - Vascular - Rubiaceae - Galium angustifolium ssp. gabrielense

Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3411616	CATCLAW FLAT	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311684	SEVEN PALMS VALLEY	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3411615	MORONGO VALLEY	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3411614	YUCCA VALLEY SOUTH	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311676	SAN JACINTO PEAK	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311686	WHITE WATER	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>jacinticum</i>	San Jacinto Mountains bedstraw	PDRUB0N04C	None	None	-	1B.3	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>jacinticum</i>
Plants - Vascular	<i>Galium jepsonii</i>	Jepson's bedstraw	PDRUB0N130	None	None	-	4.3	3311686	WHITE WATER	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium jepsonii</i>
Plants - Vascular	<i>Galium jepsonii</i>	Jepson's bedstraw	PDRUB0N130	None	None	-	4.3	3411616	CATCLAW FLAT	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium jepsonii</i>
Plants - Vascular	<i>Galium johnstonii</i>	Johnston's bedstraw	PDRUB0N140	None	None	-	4.3	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium johnstonii</i>
Plants - Vascular	<i>Heuchera hirsutissima</i>	shaggy-haired alumroot	PDSAX0E0J0	None	None	-	1B.3	3311676	SAN JACINTO PEAK	Mapped and Unprocessed	Plants - Vascular - Saxifragaceae - <i>Heuchera hirsutissima</i>
Plants - Vascular	<i>Heuchera hirsutissima</i>	shaggy-haired alumroot	PDSAX0E0J0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Saxifragaceae - <i>Heuchera hirsutissima</i>
Plants - Vascular	<i>Heuchera parishii</i>	Parish's alumroot	PDSAX0E1F0	None	None	-	1B.3	3411616	CATCLAW FLAT	Mapped and Unprocessed	Plants - Vascular - Saxifragaceae - <i>Heuchera parishii</i>
Plants - Vascular	<i>Selaginella asprella</i>	bluish spike-moss	PPSEL01060	None	None	-	4.3	3311676	SAN JACINTO PEAK	Unprocessed	Plants - Vascular - Selaginellaceae - <i>Selaginella asprella</i>
Plants - Vascular	<i>Selaginella eremophila</i>	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Selaginellaceae - <i>Selaginella eremophila</i>
Plants - Vascular	<i>Selaginella eremophila</i>	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311686	WHITE WATER	Mapped	Plants - Vascular - Selaginellaceae - <i>Selaginella eremophila</i>
Plants - Vascular	<i>Selaginella eremophila</i>	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Selaginellaceae - <i>Selaginella eremophila</i>

Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311686	WHITE WATER	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Thelypteris puberula var. sonorensis	Sonoran maiden fern	PPTHE05192	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Thelypteridaceae - Thelypteris puberula var. sonorensis
Plants - Vascular	Aloysia wrightii	Wright's beebrush	PDVER02040	None	None	-	4.3	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Verbenaceae - Aloysia wrightii

CNDDDB 9-Quad Species List 76 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Birds	<i>Eremophila alpestris actia</i>	California horned lark	ABPAT02011	None	None	WL	-	3311587	PINTO MOUNTAIN	Unprocessed	Animals - Birds - Alaudidae - <i>Eremophila alpestris actia</i>
Animals - Birds	<i>Eremophila alpestris actia</i>	California horned lark	ABPAT02011	None	None	WL	-	3311588	FRIED LIVER WASH	Unprocessed	Animals - Birds - Alaudidae - <i>Eremophila alpestris actia</i>
Animals - Birds	<i>Lanius ludovicianus</i>	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311587	PINTO MOUNTAIN	Unprocessed	Animals - Birds - Laniidae - <i>Lanius ludovicianus</i>
Animals - Birds	<i>Toxostoma bendirei</i>	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3311588	FRIED LIVER WASH	Mapped and Unprocessed	Animals - Birds - Mimidae - <i>Toxostoma bendirei</i>
Animals - Birds	<i>Toxostoma lecontei</i>	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311587	PINTO MOUNTAIN	Mapped and Unprocessed	Animals - Birds - Mimidae - <i>Toxostoma lecontei</i>
Animals - Birds	<i>Athene cunicularia</i>	burrowing owl	ABNSB10010	None	None	SSC	-	3411528	VALLEY MTN.	Mapped	Animals - Birds - Strigidae - <i>Athene cunicularia</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3411516	NEW DALE	Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3411526	DALE LAKE	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3411527	EAST OF VALLEY MTN.	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3411517	HUMBUG MOUNTAIN	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3411518	TWENTYNINE PALMS MTN.	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311586	SAN BERNARDINO WASH	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311588	FRIED LIVER WASH	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	AMALE04013	None	None	FP	-	3311587	PINTO MOUNTAIN	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i>
Animals - Mammals	<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311586	SAN BERNARDINO WASH	Unprocessed	Animals - Mammals - Molossidae - <i>Nyctinomops femorosaccus</i>
Animals - Mammals	<i>Taxidea taxus</i>	American badger	AMAJF04010	None	None	SSC	-	3311586	SAN BERNARDINO WASH	Mapped	Animals - Mammals - Mustelidae - <i>Taxidea taxus</i>

Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3311587	PINTO MOUNTAIN	Unprocessed	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3411518	TWENTYNINE PALMS MTN.	Unprocessed	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Macrotus californicus	California leaf-nosed bat	AMACB01010	None	None	SSC	-	3411516	NEW DALE	Mapped	Animals - Mammals - Phyllostomidae - Macrotus californicus
Animals - Mammals	Macrotus californicus	California leaf-nosed bat	AMACB01010	None	None	SSC	-	3311586	SAN BERNARDINO WASH	Mapped and Unprocessed	Animals - Mammals - Phyllostomidae - Macrotus californicus
Animals - Mammals	Macrotus californicus	California leaf-nosed bat	AMACB01010	None	None	SSC	-	3311587	PINTO MOUNTAIN	Mapped	Animals - Mammals - Phyllostomidae - Macrotus californicus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311586	SAN BERNARDINO WASH	Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311586	SAN BERNARDINO WASH	Mapped and Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311587	PINTO MOUNTAIN	Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Myotis evotis	long-eared myotis	AMACC01070	None	None	-	-	3311586	SAN BERNARDINO WASH	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis evotis
Animals - Mammals	Myotis thysanodes	fringed myotis	AMACC01090	None	None	-	-	3311587	PINTO MOUNTAIN	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis thysanodes
Animals - Reptiles	Salvadora hexalepis virgulata	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3311587	PINTO MOUNTAIN	Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgulata
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3411526	DALE LAKE	Mapped	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Uma scoparia	Mojave fringe-toed lizard	ARACF15030	None	None	SSC	-	3411526	DALE LAKE	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma scoparia
Animals - Reptiles	Uma scoparia	Mojave fringe-toed lizard	ARACF15030	None	None	SSC	-	3411517	HUMBUG MOUNTAIN	Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma scoparia
Animals - Reptiles	Uma scoparia	Mojave fringe-toed lizard	ARACF15030	None	None	SSC	-	3411516	NEW DALE	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma scoparia
Animals - Reptiles	Uma scoparia	Mojave fringe-toed lizard	ARACF15030	None	None	SSC	-	3311586	SAN BERNARDINO WASH	Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma scoparia
Animals - Reptiles	Uma scoparia	Mojave fringe-toed lizard	ARACF15030	None	None	SSC	-	3311587	PINTO MOUNTAIN	Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma scoparia

Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311586	SAN BERNARDINO WASH	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311587	PINTO MOUNTAIN	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311588	FRIED LIVER WASH	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411517	HUMBUG MOUNTAIN	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411518	TWENTYNINE PALMS MTN.	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411527	EAST OF VALLEY MTN.	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411526	DALE LAKE	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411516	NEW DALE	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411528	VALLEY MTN.	Mapped	Animals - Reptiles - Testudinidae - Gopherus agassizii
Plants - Bryophytes	Jaffueliobryum wrightii	Wright's jaffueliobryum moss	NBMUS97020	None	None	-	2B.3	3411526	DALE LAKE	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum wrightii
Plants - Bryophytes	Jaffueliobryum wrightii	Wright's jaffueliobryum moss	NBMUS97020	None	None	-	2B.3	3311588	FRIED LIVER WASH	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum wrightii
Plants - Bryophytes	Jaffueliobryum wrightii	Wright's jaffueliobryum moss	NBMUS97020	None	None	-	2B.3	3311587	PINTO MOUNTAIN	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum wrightii
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3311586	SAN BERNARDINO WASH	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3311587	PINTO MOUNTAIN	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3311588	FRIED LIVER WASH	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Funastrum utahense	Utah vine milkweed	PDASC050M0	None	None	-	4.2	3311587	PINTO MOUNTAIN	Unprocessed	Plants - Vascular - Apocynaceae - Funastrum utahense
Plants - Vascular	Funastrum utahense	Utah vine milkweed	PDASC050M0	None	None	-	4.2	3411526	DALE LAKE	Unprocessed	Plants - Vascular - Apocynaceae - Funastrum utahense
Plants - Vascular	Funastrum utahense	Utah vine milkweed	PDASC050M0	None	None	-	4.2	3411528	VALLEY MTN.	Unprocessed	Plants - Vascular - Apocynaceae - Funastrum utahense
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3411526	DALE LAKE	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia

Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311587	PINTO MOUNTAIN	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3411526	DALE LAKE	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3411516	NEW DALE	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Coryphantha alversonii	Alverson's foxtail cactus	PDCAC0X060	None	None	-	4.3	3411518	TWENTYNINE PALMS MTN.	Mapped and Unprocessed	Plants - Vascular - Cactaceae - Coryphantha alversonii
Plants - Vascular	Coryphantha alversonii	Alverson's foxtail cactus	PDCAC0X060	None	None	-	4.3	3411526	DALE LAKE	Unprocessed	Plants - Vascular - Cactaceae - Coryphantha alversonii
Plants - Vascular	Nemacladus gracilis	graceful nemacladus	PDCAM0F030	None	None	-	4.3	3311587	PINTO MOUNTAIN	Unprocessed	Plants - Vascular - Campanulaceae - Nemacladus gracilis
Plants - Vascular	Nemacladus gracilis	graceful nemacladus	PDCAM0F030	None	None	-	4.3	3311586	SAN BERNARDINO WASH	Unprocessed	Plants - Vascular - Campanulaceae - Nemacladus gracilis
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3311586	SAN BERNARDINO WASH	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3411517	HUMBUG MOUNTAIN	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Astragalus insularis var. harwoodii	Harwood's milk-vetch	PDFAB0F491	None	None	-	2B.2	3311586	SAN BERNARDINO WASH	Mapped	Plants - Vascular - Fabaceae - Astragalus insularis var. harwoodii
Plants - Vascular	Astragalus insularis var. harwoodii	Harwood's milk-vetch	PDFAB0F491	None	None	-	2B.2	3311587	PINTO MOUNTAIN	Mapped	Plants - Vascular - Fabaceae - Astragalus insularis var. harwoodii
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3411516	NEW DALE	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Monardella robisonii	Robison's monardella	PDLAM180K0	None	None	-	1B.3	3411526	DALE LAKE	Mapped	Plants - Vascular - Lamiaceae - Monardella robisonii
Plants - Vascular	Mentzelia puberula	Darlington's blazing star	PDLOA031F0	None	None	-	2B.2	3411526	DALE LAKE	Mapped	Plants - Vascular - Loasaceae - Mentzelia puberula
Plants - Vascular	Menodora spinescens var. mohavensis	Mojave menodora	PDOLE09061	None	None	-	1B.2	3411526	DALE LAKE	Mapped	Plants - Vascular - Oleaceae - Menodora spinescens var. mohavensis
Plants - Vascular	Tetracoccus hallii	Hall's tetracoccus	PDEUP1C021	None	None	-	4.3	3311588	FRIED LIVER WASH	Unprocessed	Plants - Vascular - Picrodendraceae - Tetracoccus hallii
Plants - Vascular	Penstemon pseudospectabilis ssp. pseudospectabilis	desert beardtongue	PDSCR1L562	None	None	-	2B.2	3411526	DALE LAKE	Mapped	Plants - Vascular - Plantaginaceae - Penstemon pseudospectabilis ssp. pseudospectabilis

Plants - Vascular	<i>Panicum hirticaule</i> ssp. <i>hirticaule</i>	roughstalk witch grass	PMPOA4K170	None	None	-	2B.1	3311586	SAN BERNARDINO WASH	Mapped	Plants - Vascular - Poaceae - <i>Panicum hirticaule</i> ssp. <i>hirticaule</i>
Plants - Vascular	<i>Eriastrum harwoodii</i>	Harwood's eriastrum	PDPLM030B1	None	None	-	1B.2	3411516	NEW DALE	Mapped	Plants - Vascular - Polemoniaceae - <i>Eriastrum harwoodii</i>
Plants - Vascular	<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. <i>linanthus</i>	PDPLM041Y1	None	None	-	1B.2	3311588	FRIED LIVER WASH	Mapped	Plants - Vascular - Polemoniaceae - <i>Linanthus maculatus</i> ssp. <i>maculatus</i>
Plants - Vascular	<i>Castela emoryi</i>	Emory's crucifixion-thorn	PDSIM03030	None	None	-	2B.2	3411516	NEW DALE	Mapped	Plants - Vascular - Simaroubaceae - <i>Castela emoryi</i>
Plants - Vascular	<i>Castela emoryi</i>	Emory's crucifixion-thorn	PDSIM03030	None	None	-	2B.2	3411526	DALE LAKE	Mapped	Plants - Vascular - Simaroubaceae - <i>Castela emoryi</i>
Plants - Vascular	<i>Aloysia wrightii</i>	Wright's beebrush	PDVER02040	None	None	-	4.3	3411518	TWENTYNINE PALMS MTN.	Unprocessed	Plants - Vascular - Verbenaceae - <i>Aloysia wrightii</i>
Plants - Vascular	<i>Aloysia wrightii</i>	Wright's beebrush	PDVER02040	None	None	-	4.3	3311588	FRIED LIVER WASH	Unprocessed	Plants - Vascular - Verbenaceae - <i>Aloysia wrightii</i>

CNDDDB 9-Quad Species List 273 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3411612	INDIAN COVE	Mapped	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3411611	QUEEN MTN.	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias

Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3411612	INDIAN COVE	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3411611	QUEEN MTN.	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3411611	QUEEN MTN.	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Toxostoma bendirei	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3411611	QUEEN MTN.	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma bendirei
Animals - Birds	Toxostoma bendirei	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3411612	INDIAN COVE	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma bendirei
Animals - Birds	Toxostoma bendirei	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3311681	MALAPAI HILL	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma bendirei
Animals - Birds	Toxostoma bendirei	Bendire's thrasher	ABPBK06050	None	None	SSC	-	3311682	KEYS VIEW	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma bendirei
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei

Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Pandionidae - Pandion haliaetus
Animals - Birds	Leiothlypis virginiae	Virginia's warbler	ABPBX01070	None	None	WL	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Parulidae - Leiothlypis virginiae
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Junco hyemalis caniceps	gray-headed junco	ABPBXA5021	None	None	WL	-	3311681	MALAPAI HILL	Mapped	Animals - Birds - Passerellidae - Junco hyemalis caniceps
Animals - Birds	Passerculus sandwichensis alaudinus	Bryant's savannah sparrow	ABPBX99011	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis alaudinus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBXJ08030	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBXJ08030	None	None	WL	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura

Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Poliptilidae - Poliptila melanura
Animals - Birds	Asio flammeus	short-eared owl	ABNSB13040	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Strigidae - Asio flammeus
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Empidonax traillii brewsteri	little willow flycatcher	ABPAE33041	None	Endangered	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii brewsteri
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3411612	INDIAN COVE	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo vicinior	gray vireo	ABPBW01140	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Birds - Vireonidae - Vireo vicinior
Animals - Birds	Vireo vicinior	gray vireo	ABPBW01140	None	None	SSC	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Birds - Vireonidae - Vireo vicinior
Animals - Birds	Vireo vicinior	gray vireo	ABPBW01140	None	None	SSC	-	3311682	KEYS VIEW	Unprocessed	Animals - Birds - Vireonidae - Vireo vicinior
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Rhopalolemma robertsi	Roberts' rhopalolemma bee	IIHYM83010	None	None	-	-	3411611	QUEEN MTN.	Mapped	Animals - Insects - Apidae - Rhopalolemma robertsi
Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311673	MYOMA	Mapped	Animals - Insects - Ithonidae - Oliarces clara

Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311673	MYOMA	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Insects - Rhabdophoridae - Macrobaenetes valgum
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311672	WEST BERDOO CANYON	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311671	ROCKHOUSE CANYON	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311682	KEYS VIEW	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311683	EAST DECEPTION CANYON	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3411611	QUEEN MTN.	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311681	MALAPAI HILL	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3411612	INDIAN COVE	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3411613	JOSHUA TREE SOUTH	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311682	KEYS VIEW	Mapped	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Mapped	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311672	WEST BERDOO CANYON	Mapped	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Onychomys torridus ramona	southern grasshopper mouse	AMAFF06022	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Mammals - Cricetidae - Onychomys torridus ramona
Animals - Mammals	Chaetodipus californicus femoralis	Dulzura pocket mouse	AMAFD05021	None	None	SSC	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus californicus femoralis
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311673	MYOMA	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus

Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3411612	INDIAN COVE	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3411613	JOSHUA TREE SOUTH	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311682	KEYS VIEW	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311681	MALAPAI HILL	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3411611	QUEEN MTN.	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	AMAFD03144	None	None	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami collinus
Animals - Mammals	Dipodomys simulans	Dulzura kangaroo rat	AMAFD03170	None	None	-	-	3311682	KEYS VIEW	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys simulans
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311672	WEST BERDOO CANYON	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3411612	INDIAN COVE	Mapped and Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311681	MALAPAI HILL	Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus

Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311681	MALAPAI HILL	Unprocessed	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311682	KEYS VIEW	Unprocessed	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3411612	INDIAN COVE	Mapped and Unprocessed	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops macrotis	big free-tailed bat	AMACD04020	None	None	SSC	-	3411612	INDIAN COVE	Mapped	Animals - Mammals - Molossidae - Nyctinomops macrotis
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3411612	INDIAN COVE	Mapped and Unprocessed	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3311681	MALAPAI HILL	Unprocessed	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Macrotus californicus	California leaf-nosed bat	AMACB01010	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Mammals - Phyllostomidae - Macrotus californicus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311681	MALAPAI HILL	Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3411612	INDIAN COVE	Mapped and Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Euderma maculatum	spotted bat	AMACC07010	None	None	SSC	-	3411611	QUEEN MTN.	Mapped	Animals - Mammals - Vespertilionidae - Euderma maculatum
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Mammals - Vespertilionidae - Lasionycteris noctivagans

Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3411613	JOSHUA TREE SOUTH	Mapped and Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus cinereus
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3411611	QUEEN MTN.	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus cinereus
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3411612	INDIAN COVE	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus cinereus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3411611	QUEEN MTN.	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311682	KEYS VIEW	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311681	MALAPAI HILL	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Myotis ciliolabrum	western small-footed myotis	AMACC01140	None	None	-	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis ciliolabrum
Animals - Mammals	Myotis lucifugus	little brown bat	AMACC01010	None	None	-	-	3411612	INDIAN COVE	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis lucifugus
Animals - Mammals	Myotis thysanodes	fringed myotis	AMACC01090	None	None	-	-	3411612	INDIAN COVE	Mapped and Unprocessed	Animals - Mammals - Vespertilionidae - Myotis thysanodes
Animals - Mammals	Myotis thysanodes	fringed myotis	AMACC01090	None	None	-	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis thysanodes
Animals - Mammals	Myotis thysanodes	fringed myotis	AMACC01090	None	None	-	-	3311682	KEYS VIEW	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis thysanodes
Animals - Mammals	Myotis volans	long-legged myotis	AMACC01110	None	None	-	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis volans
Animals - Mollusks	Eremarionta millepalmarum	Thousand Palms desertsnailed	IMGASB9060	None	None	-	-	3311672	WEST BERDOO CANYON	Unprocessed	Animals - Mollusks - Helminthoglyptidae - Eremarionta millepalmarum
Animals - Reptiles	Anniella stebbinsi	Southern California legless lizard	ARACC01060	None	None	SSC	-	3411613	JOSHUA TREE SOUTH	Mapped	Animals - Reptiles - Anniellidae - Anniella stebbinsi
Animals - Reptiles	Salvadora hexalepis virgulata	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgulata
Animals - Reptiles	Salvadora hexalepis virgulata	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3411612	INDIAN COVE	Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgulata
Animals - Reptiles	Salvadora hexalepis virgulata	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3411611	QUEEN MTN.	Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgulata
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii

Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311682	KEYS VIEW	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311672	WEST BERDOO CANYON	Mapped	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311672	WEST BERDOO CANYON	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311672	WEST BERDOO CANYON	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311683	EAST DECEPTION CANYON	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311682	KEYS VIEW	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311671	ROCKHOUSE CANYON	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411613	JOSHUA TREE SOUTH	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411612	INDIAN COVE	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311681	MALAPAI HILL	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3411611	QUEEN MTN.	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311673	MYOMA	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311672	WEST BERDOO CANYON	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3411611	QUEEN MTN.	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Plants - Bryophytes	Jaffueliobryum raii	Rau's jaffueliobryum moss	NBMUS97010	None	None	-	2B.3	3411612	INDIAN COVE	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum raii
Plants - Bryophytes	Jaffueliobryum wrightii	Wright's jaffueliobryum moss	NBMUS97020	None	None	-	2B.3	3411611	QUEEN MTN.	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum wrightii

Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3411611	QUEEN MTN.	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3311681	MALAPAI HILL	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3411613	JOSHUA TREE SOUTH	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3411612	INDIAN COVE	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3311671	ROCKHOUSE CANYON	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3311682	KEYS VIEW	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Allium atrorubens var. cristatum	Inyo onion	PMLIL02063	None	None	-	4.3	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Alliaceae - Allium atrorubens var. cristatum
Plants - Vascular	Allium parishii	Parish's onion	PMLIL021N0	None	None	-	4.3	3411612	INDIAN COVE	Unprocessed	Plants - Vascular - Alliaceae - Allium parishii
Plants - Vascular	Allium parishii	Parish's onion	PMLIL021N0	None	None	-	4.3	3411613	JOSHUA TREE SOUTH	Unprocessed	Plants - Vascular - Alliaceae - Allium parishii
Plants - Vascular	Allium parishii	Parish's onion	PMLIL021N0	None	None	-	4.3	3311681	MALAPAI HILL	Unprocessed	Plants - Vascular - Alliaceae - Allium parishii
Plants - Vascular	Allium parishii	Parish's onion	PMLIL021N0	None	None	-	4.3	3411611	QUEEN MTN.	Unprocessed	Plants - Vascular - Alliaceae - Allium parishii
Plants - Vascular	Cymopterus multinervatus	purple-nerve cymopterus	PDAPI0U0Q0	None	None	-	2B.2	3411612	INDIAN COVE	Mapped	Plants - Vascular - Apiaceae - Cymopterus multinervatus
Plants - Vascular	Funastrum utahense	Utah vine milkweed	PDASC050M0	None	None	-	4.2	3411612	INDIAN COVE	Unprocessed	Plants - Vascular - Apocynaceae - Funastrum utahense
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3411612	INDIAN COVE	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3411611	QUEEN MTN.	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Erigeron parishii	Parish's daisy	PDAST3M310	Threatened	None	-	1B.1	3411612	INDIAN COVE	Mapped	Plants - Vascular - Asteraceae - Erigeron parishii
Plants - Vascular	Erigeron parishii	Parish's daisy	PDAST3M310	Threatened	None	-	1B.1	3411613	JOSHUA TREE SOUTH	Mapped	Plants - Vascular - Asteraceae - Erigeron parishii
Plants - Vascular	Erigeron parishii	Parish's daisy	PDAST3M310	Threatened	None	-	1B.1	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Asteraceae - Erigeron parishii
Plants - Vascular	Hulsea vestita ssp. parryi	Parry's hulsea	PDAST4Z076	None	None	-	4.3	3411613	JOSHUA TREE SOUTH	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. parryi
Plants - Vascular	Hulsea vestita ssp. parryi	Parry's hulsea	PDAST4Z076	None	None	-	4.3	3411612	INDIAN COVE	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. parryi
Plants - Vascular	Lasthenia glabrata ssp. coulteri	Coulter's goldfields	PDAST5L0A1	None	None	-	1B.1	3411611	QUEEN MTN.	Mapped	Plants - Vascular - Asteraceae - Lasthenia glabrata ssp. coulteri
Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311672	WEST BERDOO CANYON	Mapped and Unprocessed	Plants - Vascular - Asteraceae - Xylorhiza cognata

Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDATA1010	None	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Asteraceae - Xylorhiza cognata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Boechera dispar	pinyon rockcress	PDBRA060F0	None	None	-	2B.3	3411612	INDIAN COVE	Mapped	Plants - Vascular - Brassicaceae - Boechera dispar
Plants - Vascular	Boechera dispar	pinyon rockcress	PDBRA060F0	None	None	-	2B.3	3411613	JOSHUA TREE SOUTH	Mapped	Plants - Vascular - Brassicaceae - Boechera dispar
Plants - Vascular	Streptanthus bernardinus	Laguna Mountains jewelflower	PDBRA2G060	None	None	-	4.3	3411611	QUEEN MTN.	Mapped	Plants - Vascular - Brassicaceae - Streptanthus bernardinus
Plants - Vascular	Coryphantha alversonii	Alverson's foxtail cactus	PDCAC0X060	None	None	-	4.3	3411611	QUEEN MTN.	Mapped and Unprocessed	Plants - Vascular - Cactaceae - Coryphantha alversonii
Plants - Vascular	Coryphantha alversonii	Alverson's foxtail cactus	PDCAC0X060	None	None	-	4.3	3311681	MALAPAI HILL	Mapped and Unprocessed	Plants - Vascular - Cactaceae - Coryphantha alversonii
Plants - Vascular	Grusonia parishii	Parish's club-cholla	PDCAC0D2H0	None	None	-	2B.2	3311681	MALAPAI HILL	Mapped	Plants - Vascular - Cactaceae - Grusonia parishii
Plants - Vascular	Grusonia parishii	Parish's club-cholla	PDCAC0D2H0	None	None	-	2B.2	3411611	QUEEN MTN.	Mapped and Unprocessed	Plants - Vascular - Cactaceae - Grusonia parishii
Plants - Vascular	Grusonia parishii	Parish's club-cholla	PDCAC0D2H0	None	None	-	2B.2	3411612	INDIAN COVE	Mapped	Plants - Vascular - Cactaceae - Grusonia parishii
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia platysperma	flat-seeded spurge	PDEUP0D1X0	None	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia platysperma
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311682	KEYS VIEW	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311671	ROCKHOUSE CANYON	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3411612	INDIAN COVE	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3411611	QUEEN MTN.	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311681	MALAPAI HILL	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus

Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3411613	JOSHUA TREE SOUTH	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus lentiginosus var. borreanus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreanus
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus tricarlinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311673	MYOMA	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus tricarlinatus
Plants - Vascular	Astragalus tricarlinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311682	KEYS VIEW	Mapped	Plants - Vascular - Fabaceae - Astragalus tricarlinatus
Plants - Vascular	Astragalus tricarlinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311683	EAST DECEPTION CANYON	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus tricarlinatus
Plants - Vascular	Astragalus tricarlinatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3411613	JOSHUA TREE SOUTH	Mapped	Plants - Vascular - Fabaceae - Astragalus tricarlinatus
Plants - Vascular	Juncus acutus ssp. leopoldii	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311673	MYOMA	Unprocessed	Plants - Vascular - Juncaceae - Juncus acutus ssp. leopoldii
Plants - Vascular	Juncus cooperi	Cooper's rush	PMJUN010T0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Juncaceae - Juncus cooperi
Plants - Vascular	Monardella robisonii	Robison's monardella	PDLAM180K0	None	None	-	1B.3	3311682	KEYS VIEW	Mapped	Plants - Vascular - Lamiaceae - Monardella robisonii
Plants - Vascular	Monardella robisonii	Robison's monardella	PDLAM180K0	None	None	-	1B.3	3411613	JOSHUA TREE SOUTH	Mapped	Plants - Vascular - Lamiaceae - Monardella robisonii
Plants - Vascular	Monardella robisonii	Robison's monardella	PDLAM180K0	None	None	-	1B.3	3311681	MALAPAI HILL	Mapped	Plants - Vascular - Lamiaceae - Monardella robisonii
Plants - Vascular	Monardella robisonii	Robison's monardella	PDLAM180K0	None	None	-	1B.3	3411611	QUEEN MTN.	Mapped	Plants - Vascular - Lamiaceae - Monardella robisonii
Plants - Vascular	Monardella robisonii	Robison's monardella	PDLAM180K0	None	None	-	1B.3	3411612	INDIAN COVE	Mapped	Plants - Vascular - Lamiaceae - Monardella robisonii
Plants - Vascular	Calochortus striatus	alkali mariposa-lily	PMLIL0D190	None	None	-	1B.2	3411611	QUEEN MTN.	Mapped	Plants - Vascular - Liliaceae - Calochortus striatus
Plants - Vascular	Calochortus striatus	alkali mariposa-lily	PMLIL0D190	None	None	-	1B.2	3411612	INDIAN COVE	Mapped	Plants - Vascular - Liliaceae - Calochortus striatus
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311682	KEYS VIEW	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3411611	QUEEN MTN.	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta

Plants - Vascular	<i>Sidalcea neomexicana</i>	salt spring checkerbloom	PDMAL110J0	None	None	-	2B.2	3411611	QUEEN MTN.	Mapped	Plants - Vascular - Malvaceae - <i>Sidalcea neomexicana</i>
Plants - Vascular	<i>Sphaeralcea rusbyi</i> var. <i>eremicola</i>	Rusby's desert-mallow	PDMAL140L1	None	None	-	1B.2	3411612	INDIAN COVE	Mapped	Plants - Vascular - Malvaceae - <i>Sphaeralcea rusbyi</i> var. <i>eremicola</i>
Plants - Vascular	<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311673	MYOMA	Mapped	Plants - Vascular - Nyctaginaceae - <i>Abronia villosa</i> var. <i>aurita</i>
Plants - Vascular	<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Nyctaginaceae - <i>Abronia villosa</i> var. <i>aurita</i>
Plants - Vascular	<i>Menodora spinescens</i> var. <i>mohavensis</i>	Mojave menodora	PDOLE09061	None	None	-	1B.2	3411611	QUEEN MTN.	Mapped and Unprocessed	Plants - Vascular - Oleaceae - <i>Menodora spinescens</i> var. <i>mohavensis</i>
Plants - Vascular	<i>Eremothera boothii</i> ssp. <i>boothii</i>	Booth's evening-primrose	PDONA03052	None	None	-	2B.3	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Onagraceae - <i>Eremothera boothii</i> ssp. <i>boothii</i>
Plants - Vascular	<i>Eremothera boothii</i> ssp. <i>boothii</i>	Booth's evening-primrose	PDONA03052	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Onagraceae - <i>Eremothera boothii</i> ssp. <i>boothii</i>
Plants - Vascular	<i>Eschscholzia androuxii</i>	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Papaveraceae - <i>Eschscholzia androuxii</i>
Plants - Vascular	<i>Eschscholzia androuxii</i>	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Papaveraceae - <i>Eschscholzia androuxii</i>
Plants - Vascular	<i>Eschscholzia androuxii</i>	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311682	KEYS VIEW	Unprocessed	Plants - Vascular - Papaveraceae - <i>Eschscholzia androuxii</i>
Plants - Vascular	<i>Eschscholzia androuxii</i>	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3411611	QUEEN MTN.	Unprocessed	Plants - Vascular - Papaveraceae - <i>Eschscholzia androuxii</i>
Plants - Vascular	<i>Eschscholzia androuxii</i>	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3411612	INDIAN COVE	Unprocessed	Plants - Vascular - Papaveraceae - <i>Eschscholzia androuxii</i>
Plants - Vascular	<i>Eschscholzia androuxii</i>	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311681	MALAPAI HILL	Unprocessed	Plants - Vascular - Papaveraceae - <i>Eschscholzia androuxii</i>
Plants - Vascular	<i>Eschscholzia androuxii</i>	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3411613	JOSHUA TREE SOUTH	Unprocessed	Plants - Vascular - Papaveraceae - <i>Eschscholzia androuxii</i>
Plants - Vascular	<i>Tetracoccus hallii</i>	Hall's tetracoccus	PDEUP1C021	None	None	-	4.3	3411611	QUEEN MTN.	Unprocessed	Plants - Vascular - Picrodendraceae - <i>Tetracoccus hallii</i>
Plants - Vascular	<i>Penstemon thurberi</i>	Thurber's beardtongue	PDSCR1L680	None	None	-	4.2	3411612	INDIAN COVE	Unprocessed	Plants - Vascular - Plantaginaceae - <i>Penstemon thurberi</i>
Plants - Vascular	<i>Muhlenbergia appressa</i>	appressed muhly	PMPOA48020	None	None	-	2B.2	3411612	INDIAN COVE	Mapped	Plants - Vascular - Poaceae - <i>Muhlenbergia appressa</i>
Plants - Vascular	<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3411613	JOSHUA TREE SOUTH	Mapped	Plants - Vascular - Polemoniaceae - <i>Linanthus maculatus</i> ssp. <i>maculatus</i>

Plants - Vascular	<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. <i>linanthus</i>	PDPLM041Y1	None	None	-	1B.2	3311681	MALAPAI HILL	Mapped	Plants - Vascular - Polemoniaceae - <i>Linanthus maculatus</i> ssp. <i>maculatus</i>
Plants - Vascular	<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. <i>linanthus</i>	PDPLM041Y1	None	None	-	1B.2	3411612	INDIAN COVE	Mapped	Plants - Vascular - Polemoniaceae - <i>Linanthus maculatus</i> ssp. <i>maculatus</i>
Plants - Vascular	<i>Saltugilia latimeri</i>	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3411612	INDIAN COVE	Mapped	Plants - Vascular - Polemoniaceae - <i>Saltugilia latimeri</i>
Plants - Vascular	<i>Saltugilia latimeri</i>	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3411611	QUEEN MTN.	Mapped	Plants - Vascular - Polemoniaceae - <i>Saltugilia latimeri</i>
Plants - Vascular	<i>Saltugilia latimeri</i>	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3411613	JOSHUA TREE SOUTH	Mapped	Plants - Vascular - Polemoniaceae - <i>Saltugilia latimeri</i>
Plants - Vascular	<i>Saltugilia latimeri</i>	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3311682	KEYS VIEW	Mapped	Plants - Vascular - Polemoniaceae - <i>Saltugilia latimeri</i>
Plants - Vascular	<i>Saltugilia latimeri</i>	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3311671	ROCKHOUSE CANYON	Mapped	Plants - Vascular - Polemoniaceae - <i>Saltugilia latimeri</i>
Plants - Vascular	<i>Portulaca halimoides</i>	desert portulaca	PDPOR06040	None	None	-	4.2	3411612	INDIAN COVE	Unprocessed	Plants - Vascular - Portulacaceae - <i>Portulaca halimoides</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3411612	INDIAN COVE	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3411611	QUEEN MTN.	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3411613	JOSHUA TREE SOUTH	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311682	KEYS VIEW	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium munzii</i>	Munz's bedstraw	PDRUB0N1G0	None	None	-	4.3	3411612	INDIAN COVE	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium munzii</i>
Plants - Vascular	<i>Selaginella eremophila</i>	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Selaginellaceae - <i>Selaginella eremophila</i>
Plants - Vascular	<i>Lycium torreyi</i>	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311673	MYOMA	Unprocessed	Plants - Vascular - Solanaceae - <i>Lycium torreyi</i>
Plants - Vascular	<i>Aloysia wrightii</i>	Wright's beebrush	PDVER02040	None	None	-	4.3	3311681	MALAPAI HILL	Unprocessed	Plants - Vascular - Verbenaceae - <i>Aloysia wrightii</i>

CNDDDB 9-Quad Species List 427 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Amphibians	Batrachoseps major aridus	desert slender salamander	AAAAD02042	Endangered	Endangered	-	-	3311653	MARTINEZ MTN.	Mapped	Animals - Amphibians - Plethodontidae - Batrachoseps major aridus
Animals - Amphibians	Batrachoseps major aridus	desert slender salamander	AAAAD02042	Endangered	Endangered	-	-	3311654	TORO PEAK	Mapped and Unprocessed	Animals - Amphibians - Plethodontidae - Batrachoseps major aridus
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Amphibians - Ranidae - Rana draytonii
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Amphibians - Ranidae - Rana draytonii
Animals - Amphibians	Rana muscosa	southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	WL	-	3311665	PALM VIEW PEAK	Mapped	Animals - Amphibians - Ranidae - Rana muscosa
Animals - Amphibians	Rana muscosa	southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	WL	-	3311675	PALM SPRINGS	Mapped	Animals - Amphibians - Ranidae - Rana muscosa
Animals - Arachnids	Calileptoneta oasa	Andreas Canyon leptonetid spider	ILARAU6020	None	None	-	-	3311675	PALM SPRINGS	Mapped	Animals - Arachnids - Leptonetidae - Calileptoneta oasa
Animals - Arachnids	Calileptoneta oasa	Andreas Canyon leptonetid spider	ILARAU6020	None	None	-	-	3311665	PALM VIEW PEAK	Mapped	Animals - Arachnids - Leptonetidae - Calileptoneta oasa
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311654	TORO PEAK	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311655	BUTTERFLY PEAK	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311663	LA QUINTA	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos

Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311655	BUTTERFLY PEAK	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311654	TORO PEAK	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311653	MARTINEZ MTN.	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Cypseloides niger	black swift	ABNUA01010	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Apodidae - Cypseloides niger
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311653	MARTINEZ MTN.	Mapped	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311655	BUTTERFLY PEAK	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei

Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Birds - Hirundinidae - Progne subis
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3311655	BUTTERFLY PEAK	Mapped	Animals - Birds - Hirundinidae - Progne subis
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Icteriidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Icteriidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Icteriidae - Icteria virens
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311653	MARTINEZ MTN.	Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311654	TORO PEAK	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Birds - Mimidae - Toxostoma lecontei

Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Artemisiospiza belli belli	Bell's sage sparrow	ABPBX97021	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Passerellidae - Artemisiospiza belli belli
Animals - Birds	Melospiza aberti	Abert's towhee	ABPBX74050	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Passerellidae - Melospiza aberti
Animals - Birds	Passerculus sandwichensis alaudinus	Bryant's savannah sparrow	ABPBX99011	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis alaudinus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Poliophtila californica californica	coastal California gnatcatcher	ABPBX08081	Threatened	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Birds - Polioptilidae - Poliophtila californica californica
Animals - Birds	Poliophtila californica californica	coastal California gnatcatcher	ABPBX08081	Threatened	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Birds - Polioptilidae - Poliophtila californica californica
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBX08030	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Polioptilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBX08030	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Polioptilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBX08030	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Polioptilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBX08030	None	None	WL	-	3311664	RANCHO MIRAGE	Mapped	Animals - Birds - Polioptilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBX08030	None	None	WL	-	3311663	LA QUINTA	Mapped	Animals - Birds - Polioptilidae - Poliophtila melanura

Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311654	TORO PEAK	Mapped and Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311653	MARTINEZ MTN.	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311664	RANCHO MIRAGE	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Empidonax traillii brewsteri	little willow flycatcher	ABPAE33041	None	Endangered	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii brewsteri
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Pyrocephalus rubinus	vermillion flycatcher	ABPAE36010	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Pyrocephalus rubinus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311663	LA QUINTA	Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311665	PALM VIEW PEAK	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus

Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo vicinior	gray vireo	ABPBW01140	None	None	SSC	-	3311654	TORO PEAK	Unprocessed	Animals - Birds - Vireonidae - Vireo vicinior
Animals - Birds	Vireo vicinior	gray vireo	ABPBW01140	None	None	SSC	-	3311655	BUTTERFLY PEAK	Unprocessed	Animals - Birds - Vireonidae - Vireo vicinior
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Insects - Apidae - Bombus crotchii
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	None	-	-	3311675	PALM SPRINGS	Mapped	Animals - Insects - Apidae - Bombus crotchii
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Juniperella mirabilis	juniper metallic wood-boring beetle	IICOLX9010	None	None	-	-	3311655	BUTTERFLY PEAK	Mapped	Animals - Insects - Buprestidae - Juniperella mirabilis
Animals - Insects	Juniperella mirabilis	juniper metallic wood-boring beetle	IICOLX9010	None	None	-	-	3311653	MARTINEZ MTN.	Mapped	Animals - Insects - Buprestidae - Juniperella mirabilis
Animals - Insects	Juniperella mirabilis	juniper metallic wood-boring beetle	IICOLX9010	None	None	-	-	3311654	TORO PEAK	Mapped	Animals - Insects - Buprestidae - Juniperella mirabilis
Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311673	MYOMA	Mapped	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311663	LA QUINTA	Mapped	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311673	MYOMA	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino

Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311654	TORO PEAK	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311655	BUTTERFLY PEAK	Mapped and Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311663	LA QUINTA	Mapped	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Stenopelmatus cahuilensis	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Insects - Stenopelmatus cahuilensis
Animals - Insects	Stenopelmatus cahuilensis	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Stenopelmatus cahuilensis
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311654	TORO PEAK	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311653	MARTINEZ MTN.	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2

Animals - Mammals	Neotoma albigula venusta	Colorado Valley woodrat	AMAFF08031	None	None	-	-	3311654	TORO PEAK	Mapped	Animals - Mammals - Cricetidae - Neotoma albigula venusta
Animals - Mammals	Neotoma albigula venusta	Colorado Valley woodrat	AMAFF08031	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Mammals - Cricetidae - Neotoma albigula venusta
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Cricetidae - Neotoma lepida intermedia
Animals - Mammals	Lynx rufus pallescens	pallid bobcat	AMAJH03022	None	None	-	-	3311655	BUTTERFLY PEAK	Unprocessed	Animals - Mammals - Felidae - Lynx rufus pallescens
Animals - Mammals	Chaetodipus californicus femoralis	Dulzura pocket mouse	AMAFD05021	None	None	SSC	-	3311653	MARTINEZ MTN.	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus californicus femoralis
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311653	MARTINEZ MTN.	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311655	BUTTERFLY PEAK	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311673	MYOMA	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311653	MARTINEZ MTN.	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311654	TORO PEAK	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus

Animals - Mammals	Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	AMAFD03144	None	None	-	-	3311654	TORO PEAK	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami collinus
Animals - Mammals	Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	AMAFD03144	None	None	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami collinus
Animals - Mammals	Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	AMAFD03144	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami collinus
Animals - Mammals	Dipodomys simulans	Dulzura kangaroo rat	AMAFD03170	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys simulans
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311654	TORO PEAK	Mapped	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3311654	TORO PEAK	Mapped	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3311655	BUTTERFLY PEAK	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Mammals - Leporidae - Lepus californicus bennettii

Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops macrotis	big free-tailed bat	AMACD04020	None	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Mammals - Molossidae - Nyctinomops macrotis
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3311654	TORO PEAK	Unprocessed	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Reptiles	Anniella stebbinsi	Southern California legless lizard	ARACC01060	None	None	SSC	-	3311654	TORO PEAK	Mapped	Animals - Reptiles - Anniellidae - Anniella stebbinsi

Animals - Reptiles	Arizona elegans occidentalis	California glossy snake	ARADB01017	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Colubridae - Arizona elegans occidentalis
Animals - Reptiles	Salvadora hexalepis virgulata	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3311654	TORO PEAK	Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgulata
Animals - Reptiles	Salvadora hexalepis virgulata	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3311655	BUTTERFLY PEAK	Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgulata
Animals - Reptiles	Coleonyx variegatus abbotti	San Diego banded gecko	ARACD01031	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Gekkonidae - Coleonyx variegatus abbotti
Animals - Reptiles	Thamnophis hammondi	two-striped gartersnake	ARADB36160	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondi
Animals - Reptiles	Thamnophis hammondi	two-striped gartersnake	ARADB36160	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondi
Animals - Reptiles	Thamnophis hammondi	two-striped gartersnake	ARADB36160	None	None	SSC	-	3311655	BUTTERFLY PEAK	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondi
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311655	BUTTERFLY PEAK	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311654	TORO PEAK	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata

Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311653	MARTINEZ MTN.	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311654	TORO PEAK	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311663	LA QUINTA	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311654	TORO PEAK	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311654	TORO PEAK	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland

Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311653	MARTINEZ MTN.	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311665	PALM VIEW PEAK	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311663	LA QUINTA	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311673	MYOMA	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311675	PALM SPRINGS	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Southern Riparian Forest	Southern Riparian Forest	CTT61300CA	None	None	-	-	3311675	PALM SPRINGS	Mapped	Community - Terrestrial - Southern Riparian Forest
Plants - Bryophytes	Jaffueliobryum raii	Rau's jaffueliobryum moss	NBMUS97010	None	None	-	2B.3	3311653	MARTINEZ MTN.	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum raii
Plants - Bryophytes	Jaffueliobryum raii	Rau's jaffueliobryum moss	NBMUS97010	None	None	-	2B.3	3311655	BUTTERFLY PEAK	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum raii
Plants - Vascular	Funastrum crispum	wavyleaf twinvine	PDASC0F020	None	None	-	2B.2	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Apocynaceae - Funastrum crispum
Plants - Vascular	Funastrum crispum	wavyleaf twinvine	PDASC0F020	None	None	-	2B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Apocynaceae - Funastrum crispum
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311654	TORO PEAK	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Almutaster pauciflorus	alkali marsh aster	PDASTEL010	None	None	-	2B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Asteraceae - Almutaster pauciflorus
Plants - Vascular	Almutaster pauciflorus	alkali marsh aster	PDASTEL010	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Almutaster pauciflorus
Plants - Vascular	Ambrosia monogyra	singlewhorl burrobrush	PDAST50010	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Ambrosia monogyra
Plants - Vascular	Chaenactis parishii	Parish's chaenactis	PDAST200D0	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Asteraceae - Chaenactis parishii

Plants - Vascular	Chaenactis parishii	Parish's chaenactis	PDAST200D0	None	None	-	1B.3	3311655	BUTTERFLY PEAK	Mapped and Unprocessed	Plants - Vascular - Asteraceae - Chaenactis parishii
Plants - Vascular	Chaenactis parishii	Parish's chaenactis	PDAST200D0	None	None	-	1B.3	3311654	TORO PEAK	Mapped	Plants - Vascular - Asteraceae - Chaenactis parishii
Plants - Vascular	Deinandra mohavensis	Mojave tarplant	PDAST4R0K0	None	Endangered	-	1B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Asteraceae - Deinandra mohavensis
Plants - Vascular	Dieteria canescens var. ziegleri	Ziegler's aster	PDAST640B2	None	None	-	1B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Asteraceae - Dieteria canescens var. ziegleri
Plants - Vascular	Dieteria canescens var. ziegleri	Ziegler's aster	PDAST640B2	None	None	-	1B.2	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Asteraceae - Dieteria canescens var. ziegleri
Plants - Vascular	Hulsea vestita ssp. callicarpa	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311655	BUTTERFLY PEAK	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpa
Plants - Vascular	Hulsea vestita ssp. callicarpa	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311654	TORO PEAK	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpa
Plants - Vascular	Hulsea vestita ssp. callicarpa	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpa
Plants - Vascular	Hulsea vestita ssp. callicarpa	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpa
Plants - Vascular	Lasthenia glabrata ssp. coulteri	Coulter's goldfields	PDAST5L0A1	None	None	-	1B.1	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Asteraceae - Lasthenia glabrata ssp. coulteri
Plants - Vascular	Pentachaeta aurea ssp. aurea	golden-rayed pentachaeta	PDAST6X022	None	None	-	4.2	3311655	BUTTERFLY PEAK	Unprocessed	Plants - Vascular - Asteraceae - Pentachaeta aurea ssp. aurea
Plants - Vascular	Pentachaeta aurea ssp. aurea	golden-rayed pentachaeta	PDAST6X022	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Asteraceae - Pentachaeta aurea ssp. aurea
Plants - Vascular	Syntrichopappus lemmonii	Lemmon's syntrichopappus	PDAST90020	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Asteraceae - Syntrichopappus lemmonii
Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Xylorhiza cognata
Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Asteraceae - Xylorhiza cognata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata

Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311653	MARTINEZ MTN.	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311654	TORO PEAK	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311664	RANCHO MIRAGE	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Boechera johnstonii	Johnston's rockcress	PDBRA060Y0	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Brassicaceae - Boechera johnstonii
Plants - Vascular	Boechera johnstonii	Johnston's rockcress	PDBRA060Y0	None	None	-	1B.2	3311655	BUTTERFLY PEAK	Mapped and Unprocessed	Plants - Vascular - Brassicaceae - Boechera johnstonii
Plants - Vascular	Caulanthus simulans	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311655	BUTTERFLY PEAK	Unprocessed	Plants - Vascular - Brassicaceae - Caulanthus simulans
Plants - Vascular	Caulanthus simulans	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311654	TORO PEAK	Mapped and Unprocessed	Plants - Vascular - Brassicaceae - Caulanthus simulans
Plants - Vascular	Caulanthus simulans	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Brassicaceae - Caulanthus simulans
Plants - Vascular	Caulanthus simulans	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Brassicaceae - Caulanthus simulans
Plants - Vascular	Draba saxosa	Southern California rock draba	PDBRA110Q2	None	None	-	1B.3	3311654	TORO PEAK	Mapped and Unprocessed	Plants - Vascular - Brassicaceae - Draba saxosa
Plants - Vascular	Lepidium virginicum var. robinsonii	Robinson's pepper-grass	PDBRA1M114	None	None	-	4.3	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Brassicaceae - Lepidium virginicum var. robinsonii
Plants - Vascular	Streptanthus campestris	southern jewelflower	PDBRA2G0B0	None	None	-	1B.3	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Brassicaceae - Streptanthus campestris
Plants - Vascular	Streptanthus campestris	southern jewelflower	PDBRA2G0B0	None	None	-	1B.3	3311654	TORO PEAK	Mapped	Plants - Vascular - Brassicaceae - Streptanthus campestris
Plants - Vascular	Streptanthus campestris	southern jewelflower	PDBRA2G0B0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Brassicaceae - Streptanthus campestris
Plants - Vascular	Streptanthus campestris	southern jewelflower	PDBRA2G0B0	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Brassicaceae - Streptanthus campestris

Plants - Vascular	Thysanocarpus rigidus	rigid fringe pod	PDBRA2Q070	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Brassicaceae - Thysanocarpus rigidus
Plants - Vascular	Thysanocarpus rigidus	rigid fringe pod	PDBRA2Q070	None	None	-	1B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Brassicaceae - Thysanocarpus rigidus
Plants - Vascular	Thysanocarpus rigidus	rigid fringe pod	PDBRA2Q070	None	None	-	1B.2	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Brassicaceae - Thysanocarpus rigidus
Plants - Vascular	Bursera microphylla	little-leaf elephant tree	PDBUR01020	None	None	-	2B.3	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Burseraceae - Bursera microphylla
Plants - Vascular	Atriplex parishii	Parish's brittle scale	PDCHE041D0	None	None	-	1B.1	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Chenopodiaceae - Atriplex parishii
Plants - Vascular	Atriplex parishii	Parish's brittle scale	PDCHE041D0	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Chenopodiaceae - Atriplex parishii
Plants - Vascular	Cuscuta californica var. apiculata	pointed dodder	PDCUS01071	None	None	-	3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Convolvulaceae - Cuscuta californica var. apiculata
Plants - Vascular	Sedum niveum	Davidson's stonecrop	PDCRA0A0R0	None	None	-	4.2	3311654	TORO PEAK	Unprocessed	Plants - Vascular - Crassulaceae - Sedum niveum
Plants - Vascular	Ditaxis claryana	glandular ditaxis	PDEUP080L0	None	None	-	2B.2	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis claryana
Plants - Vascular	Ditaxis claryana	glandular ditaxis	PDEUP080L0	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis claryana
Plants - Vascular	Ditaxis claryana	glandular ditaxis	PDEUP080L0	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis claryana
Plants - Vascular	Ditaxis serrata var. californica	California ditaxis	PDEUP08050	None	None	-	3.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis serrata var. californica
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia platysperma	flat-seeded spurge	PDEUP0D1X0	None	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia platysperma

Plants - Vascular	Euphorbia platysperma	flat-seeded spurge	PDEUP0D1X0	None	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia platysperma
Plants - Vascular	Euphorbia revoluta	revolute spurge	PDEUP0D230	None	None	-	4.3	3311654	TORO PEAK	Unprocessed	Plants - Vascular - Euphorbiaceae - Euphorbia revoluta
Plants - Vascular	Tragia ramosa	desert tragia	PDEUP1D090	None	None	-	4.3	3311654	TORO PEAK	Unprocessed	Plants - Vascular - Euphorbiaceae - Tragia ramosa
Plants - Vascular	Acemispion haydonii	pygmy lotus	PDFAB2A0H0	None	None	-	1B.3	3311654	TORO PEAK	Mapped	Plants - Vascular - Fabaceae - Acemispion haydonii
Plants - Vascular	Acemispion haydonii	pygmy lotus	PDFAB2A0H0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Acemispion haydonii
Plants - Vascular	Astragalus bicristatus	crested milk-vetch	PDFAB0F1A0	None	None	-	4.3	3311654	TORO PEAK	Unprocessed	Plants - Vascular - Fabaceae - Astragalus bicristatus
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus leucolobus	Big Bear Valley woollypod	PDFAB0F4T0	None	None	-	1B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Fabaceae - Astragalus leucolobus

Plants - Vascular	<i>Astragalus preussii</i> var. <i>laxiflorus</i>	Lancaster milk-vetch	PDFAB0F721	None	None	-	1B.1	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Fabaceae - <i>Astragalus preussii</i> var. <i>laxiflorus</i>
Plants - Vascular	<i>Astragalus preussii</i> var. <i>laxiflorus</i>	Lancaster milk-vetch	PDFAB0F721	None	None	-	1B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - <i>Astragalus preussii</i> var. <i>laxiflorus</i>
Plants - Vascular	<i>Astragalus tricarlinatus</i>	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311673	MYOMA	Mapped and Unprocessed	Plants - Vascular - Fabaceae - <i>Astragalus tricarlinatus</i>
Plants - Vascular	<i>Astragalus tricarlinatus</i>	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Fabaceae - <i>Astragalus tricarlinatus</i>
Plants - Vascular	<i>Marina orcuttii</i> var. <i>orcuttii</i>	California marina	PDFAB2F031	None	None	-	1B.3	3311654	TORO PEAK	Mapped and Unprocessed	Plants - Vascular - Fabaceae - <i>Marina orcuttii</i> var. <i>orcuttii</i>
Plants - Vascular	<i>Marina orcuttii</i> var. <i>orcuttii</i>	California marina	PDFAB2F031	None	None	-	1B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - <i>Marina orcuttii</i> var. <i>orcuttii</i>
Plants - Vascular	<i>Marina orcuttii</i> var. <i>orcuttii</i>	California marina	PDFAB2F031	None	None	-	1B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Fabaceae - <i>Marina orcuttii</i> var. <i>orcuttii</i>
Plants - Vascular	<i>Rupertia rigida</i>	Parish's rupertia	PDFAB62030	None	None	-	4.3	3311655	BUTTERFLY PEAK	Unprocessed	Plants - Vascular - Fabaceae - <i>Rupertia rigida</i>
Plants - Vascular	<i>Senna covesii</i>	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Fabaceae - <i>Senna covesii</i>
Plants - Vascular	<i>Senna covesii</i>	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Fabaceae - <i>Senna covesii</i>
Plants - Vascular	<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus acutus</i> ssp. <i>leopoldii</i>
Plants - Vascular	<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311673	MYOMA	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus acutus</i> ssp. <i>leopoldii</i>
Plants - Vascular	<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus acutus</i> ssp. <i>leopoldii</i>
Plants - Vascular	<i>Juncus cooperi</i>	Cooper's rush	PMJUN010T0	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus cooperi</i>
Plants - Vascular	<i>Juncus cooperi</i>	Cooper's rush	PMJUN010T0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus cooperi</i>
Plants - Vascular	<i>Calochortus palmeri</i> var. <i>munzii</i>	San Jacinto mariposa-lily	PMLIL0D121	None	None	-	1B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Liliaceae - <i>Calochortus palmeri</i> var. <i>munzii</i>
Plants - Vascular	<i>Calochortus palmeri</i> var. <i>munzii</i>	San Jacinto mariposa-lily	PMLIL0D121	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Liliaceae - <i>Calochortus palmeri</i> var. <i>munzii</i>
Plants - Vascular	<i>Calochortus palmeri</i> var. <i>munzii</i>	San Jacinto mariposa-lily	PMLIL0D121	None	None	-	1B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Liliaceae - <i>Calochortus palmeri</i> var. <i>munzii</i>
Plants - Vascular	<i>Calochortus palmeri</i> var. <i>munzii</i>	San Jacinto mariposa-lily	PMLIL0D121	None	None	-	1B.2	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Liliaceae - <i>Calochortus palmeri</i> var. <i>munzii</i>

Plants - Vascular	Calochortus palmeri var. palmeri	Palmer's mariposa-lily	PMLIL0D122	None	None	-	1B.2	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Liliaceae - Calochortus palmeri var. palmeri
Plants - Vascular	Calochortus palmeri var. palmeri	Palmer's mariposa-lily	PMLIL0D122	None	None	-	1B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Liliaceae - Calochortus palmeri var. palmeri
Plants - Vascular	Lilium parryi	lemon lily	PMLIL1A0J0	None	None	-	1B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Liliaceae - Lilium parryi
Plants - Vascular	Lilium parryi	lemon lily	PMLIL1A0J0	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Liliaceae - Lilium parryi
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311654	TORO PEAK	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Horsfordia alata	pink velvet-mallow	PDMAL0J010	None	None	-	4.3	3311653	MARTINEZ MTN.	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia alata
Plants - Vascular	Horsfordia alata	pink velvet-mallow	PDMAL0J010	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia alata
Plants - Vascular	Horsfordia newberryi	Newberry's velvet-mallow	PDMAL0J020	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia newberryi
Plants - Vascular	Horsfordia newberryi	Newberry's velvet-mallow	PDMAL0J020	None	None	-	4.3	3311653	MARTINEZ MTN.	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia newberryi
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311673	MYOMA	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita

Plants - Vascular	Mirabilis tenuiloba	slender-lobed four o'clock	PDNYC0A150	None	None	-	4.3	3311653	MARTINEZ MTN.	Unprocessed	Plants - Vascular - Nyctaginaceae - Mirabilis tenuiloba
Plants - Vascular	Eremothera boothii ssp. boothii	Booth's evening-primrose	PDONA03052	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Onagraceae - Eremothera boothii ssp. boothii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Erythranthe diffusa	Palomar monkeyflower	PDSCR1B0Z0	None	None	-	4.3	3311664	RANCHO MIRAGE	Unprocessed	Plants - Vascular - Phrymaceae - Erythranthe diffusa
Plants - Vascular	Erythranthe diffusa	Palomar monkeyflower	PDSCR1B0Z0	None	None	-	4.3	3311655	BUTTERFLY PEAK	Unprocessed	Plants - Vascular - Phrymaceae - Erythranthe diffusa
Plants - Vascular	Penstemon californicus	California beardtongue	PDSCR1L110	None	None	-	1B.2	3311655	BUTTERFLY PEAK	Mapped and Unprocessed	Plants - Vascular - Plantaginaceae - Penstemon californicus
Plants - Vascular	Penstemon californicus	California beardtongue	PDSCR1L110	None	None	-	1B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Plantaginaceae - Penstemon californicus
Plants - Vascular	Penstemon californicus	California beardtongue	PDSCR1L110	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Plantaginaceae - Penstemon californicus
Plants - Vascular	Penstemon clevelandii var. connatus	San Jacinto beardtongue	PDSCR1L1D2	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Plantaginaceae - Penstemon clevelandii var. connatus
Plants - Vascular	Penstemon clevelandii var. connatus	San Jacinto beardtongue	PDSCR1L1D2	None	None	-	4.3	3311654	TORO PEAK	Unprocessed	Plants - Vascular - Plantaginaceae - Penstemon clevelandii var. connatus
Plants - Vascular	Penstemon clevelandii var. connatus	San Jacinto beardtongue	PDSCR1L1D2	None	None	-	4.3	3311655	BUTTERFLY PEAK	Unprocessed	Plants - Vascular - Plantaginaceae - Penstemon clevelandii var. connatus
Plants - Vascular	Pseudorontium cyathiferum	Deep Canyon snapdragon	PDSCR2R010	None	None	-	2B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Plantaginaceae - Pseudorontium cyathiferum
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Imperata brevifolia	California satintail	PMPOA3D020	None	None	-	2B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Poaceae - Imperata brevifolia
Plants - Vascular	Eriastrum harwoodii	Harwood's eriastrum	PDPLM030B1	None	None	-	1B.2	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Polemoniaceae - Eriastrum harwoodii

Plants - Vascular	Leptosiphon floribundus ssp. hallii	Santa Rosa Mountains leptosiphon	PDPLM090J3	None	None	-	1B.3	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Polemoniaceae - Leptosiphon floribundus ssp. hallii
Plants - Vascular	Leptosiphon floribundus ssp. hallii	Santa Rosa Mountains leptosiphon	PDPLM090J3	None	None	-	1B.3	3311654	TORO PEAK	Mapped and Unprocessed	Plants - Vascular - Polemoniaceae - Leptosiphon floribundus ssp. hallii
Plants - Vascular	Linanthus jaegeri	San Jacinto linanthus	PDPLM08030	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Linanthus jaegeri
Plants - Vascular	Linanthus maculatus ssp. maculatus	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Linanthus maculatus ssp. maculatus
Plants - Vascular	Saltugilia latimeri	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - Saltugilia latimeri
Plants - Vascular	Saltugilia latimeri	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Polemoniaceae - Saltugilia latimeri
Plants - Vascular	Chorizanthe leptotheca	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311655	BUTTERFLY PEAK	Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe leptotheca
Plants - Vascular	Chorizanthe leptotheca	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe leptotheca
Plants - Vascular	Chorizanthe leptotheca	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311664	RANCHO MIRAGE	Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe leptotheca
Plants - Vascular	Chorizanthe parryi var. parryi	Parry's spineflower	PDPGN040J2	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe parryi var. parryi
Plants - Vascular	Chorizanthe polygonoides var. longispina	long-spined spineflower	PDPGN040K1	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe polygonoides var. longispina
Plants - Vascular	Chorizanthe polygonoides var. longispina	long-spined spineflower	PDPGN040K1	None	None	-	1B.2	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe polygonoides var. longispina
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311654	TORO PEAK	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Chorizanthe xanti var. leucotheca	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe xanti var. leucotheca
Plants - Vascular	Eriogonum evanidum	vanishing wild buckwheat	PDPGN08780	None	None	-	1B.1	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Polygonaceae - Eriogonum evanidum
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis

Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Sidotheca caryophylloides	chickweed oxytheca	PDPGN0J010	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Polygonaceae - Sidotheca caryophylloides
Plants - Vascular	Sidotheca emarginata	white-margined oxytheca	PDPGN0J030	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Sidotheca emarginata
Plants - Vascular	Sidotheca emarginata	white-margined oxytheca	PDPGN0J030	None	None	-	1B.3	3311655	BUTTERFLY PEAK	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Sidotheca emarginata
Plants - Vascular	Sidotheca emarginata	white-margined oxytheca	PDPGN0J030	None	None	-	1B.3	3311654	TORO PEAK	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Sidotheca emarginata
Plants - Vascular	Delphinium parishii ssp. subglobosum	Colorado Desert larkspur	PDRAN0B1A3	None	None	-	4.3	3311654	TORO PEAK	Unprocessed	Plants - Vascular - Ranunculaceae - Delphinium parishii ssp. subglobosum
Plants - Vascular	Delphinium parishii ssp. subglobosum	Colorado Desert larkspur	PDRAN0B1A3	None	None	-	4.3	3311655	BUTTERFLY PEAK	Unprocessed	Plants - Vascular - Ranunculaceae - Delphinium parishii ssp. subglobosum
Plants - Vascular	Galium angustifolium ssp. gracillimum	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311654	TORO PEAK	Unprocessed	Plants - Vascular - Rubiaceae - Galium angustifolium ssp. gracillimum
Plants - Vascular	Galium angustifolium ssp. gracillimum	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Rubiaceae - Galium angustifolium ssp. gracillimum
Plants - Vascular	Galium angustifolium ssp. jacinticum	San Jacinto Mountains bedstraw	PDRUB0N04C	None	None	-	1B.3	3311654	TORO PEAK	Mapped	Plants - Vascular - Rubiaceae - Galium angustifolium ssp. jacinticum
Plants - Vascular	Galium angustifolium ssp. jacinticum	San Jacinto Mountains bedstraw	PDRUB0N04C	None	None	-	1B.3	3311655	BUTTERFLY PEAK	Mapped	Plants - Vascular - Rubiaceae - Galium angustifolium ssp. jacinticum
Plants - Vascular	Heuchera hirsutissima	shaggy-haired alumroot	PDSAX0E0J0	None	None	-	1B.3	3311654	TORO PEAK	Mapped and Unprocessed	Plants - Vascular - Saxifragaceae - Heuchera hirsutissima
Plants - Vascular	Heuchera hirsutissima	shaggy-haired alumroot	PDSAX0E0J0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Saxifragaceae - Heuchera hirsutissima
Plants - Vascular	Heuchera hirsutissima	shaggy-haired alumroot	PDSAX0E0J0	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Saxifragaceae - Heuchera hirsutissima
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila

Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311673	MYOMA	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Thelypteris puberula var. sonorensis	Sonoran maiden fern	PPTHE05192	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Thelypteridaceae - Thelypteris puberula var. sonorensis

CNDDDB 9-Quad Species List 308 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Amphibians	Batrachoseps major aridus	desert slender salamander	AAAAD02042	Endangered	Endangered	-	-	3311653	MARTINEZ MTN.	Mapped	Animals - Amphibians - Plethodontidae - Batrachoseps major aridus
Animals - Amphibians	Lithobates yavapaiensis	lowland leopard frog	AAABH01250	None	None	SSC	-	3311662	INDIO	Unprocessed	Animals - Amphibians - Ranidae - Lithobates yavapaiensis
Animals - Amphibians	Scaphiopus couchii	Couch's spadefoot	AAABF01020	None	None	SSC	-	3311651	MECCA	Mapped	Animals - Amphibians - Scaphiopodidae - Scaphiopus couchii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311651	MECCA	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311662	INDIO	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311661	THERMAL CANYON	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311652	VALERIE	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311641	OASIS	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311641	OASIS	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311652	VALERIE	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311651	MECCA	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311651	MECCA	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311663	LA QUINTA	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311653	MARTINEZ MTN.	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Buteo regalis	ferruginous hawk	ABNKC19120	None	None	WL	-	3311662	INDIO	Mapped	Animals - Birds - Accipitridae - Buteo regalis
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3311641	OASIS	Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3311651	MECCA	Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus

Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311651	MECCA	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311641	OASIS	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311652	VALERIE	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Aythya americana	redhead	ABNJB11030	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Anatidae - Aythya americana
Animals - Birds	Aythya americana	redhead	ABNJB11030	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Anatidae - Aythya americana
Animals - Birds	Aythya valisineria	canvasback	ABNJB11020	None	None	-	-	3311651	MECCA	Unprocessed	Animals - Birds - Anatidae - Aythya valisineria
Animals - Birds	Aythya valisineria	canvasback	ABNJB11020	None	None	-	-	3311641	OASIS	Unprocessed	Animals - Birds - Anatidae - Aythya valisineria
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311661	THERMAL CANYON	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3311652	VALERIE	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3311641	OASIS	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311641	OASIS	Mapped and Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311652	VALERIE	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3311651	MECCA	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3311641	OASIS	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3311641	OASIS	Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3311652	VALERIE	Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Ixobrychus exilis	least bittern	ABNGA02010	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Ardeidae - Ixobrychus exilis

Animals - Birds	Ixobrychus exilis	least bittern	ABNGA02010	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Ardeidae - Ixobrychus exilis
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3311641	OASIS	Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311662	INDIO	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Charadrius montanus	mountain plover	ABNNB03100	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Charadriidae - Charadrius montanus
Animals - Birds	Charadrius montanus	mountain plover	ABNNB03100	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Charadriidae - Charadrius montanus
Animals - Birds	Charadrius montanus	mountain plover	ABNNB03100	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Charadriidae - Charadrius montanus
Animals - Birds	Charadrius nivosus nivosus	western snowy plover	ABNNB03031	Threatened	None	SSC	-	3311641	OASIS	Mapped	Animals - Birds - Charadriidae - Charadrius nivosus nivosus
Animals - Birds	Mycteria americana	wood stork	ABNGF02010	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Ciconiidae - Mycteria americana
Animals - Birds	Mycteria americana	wood stork	ABNGF02010	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Ciconiidae - Mycteria americana
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311641	OASIS	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311643	CLARK LAKE NE	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311652	VALERIE	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311653	MARTINEZ MTN.	Mapped	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311652	VALERIE	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311641	OASIS	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311662	INDIO	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311651	MECCA	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311652	VALERIE	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Gavia immer	common loon	ABNBA01030	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Gaviidae - Gavia immer

Animals - Birds	Gavia immer	common loon	ABNBA01030	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Gaviidae - Gavia immer
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311662	INDIO	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311661	THERMAL CANYON	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Chlidonias niger	black tern	ABNNM10020	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Laridae - Chlidonias niger
Animals - Birds	Chlidonias niger	black tern	ABNNM10020	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Laridae - Chlidonias niger
Animals - Birds	Chlidonias niger	black tern	ABNNM10020	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Laridae - Chlidonias niger
Animals - Birds	Gelochelidon nilotica	gull-billed tern	ABNNM08010	None	None	SSC	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Laridae - Gelochelidon nilotica
Animals - Birds	Hydroprogne caspia	Caspian tern	ABNNM08020	None	None	-	-	3311651	MECCA	Unprocessed	Animals - Birds - Laridae - Hydroprogne caspia
Animals - Birds	Hydroprogne caspia	Caspian tern	ABNNM08020	None	None	-	-	3311641	OASIS	Unprocessed	Animals - Birds - Laridae - Hydroprogne caspia
Animals - Birds	Hydroprogne caspia	Caspian tern	ABNNM08020	None	None	-	-	3311652	VALERIE	Unprocessed	Animals - Birds - Laridae - Hydroprogne caspia
Animals - Birds	Larus californicus	California gull	ABNNM03110	None	None	WL	-	3311652	VALERIE	Unprocessed	Animals - Birds - Laridae - Larus californicus
Animals - Birds	Larus californicus	California gull	ABNNM03110	None	None	WL	-	3311641	OASIS	Unprocessed	Animals - Birds - Laridae - Larus californicus
Animals - Birds	Larus californicus	California gull	ABNNM03110	None	None	WL	-	3311651	MECCA	Unprocessed	Animals - Birds - Laridae - Larus californicus

Animals - Birds	Leucophaeus atricilla	laughing gull	ABNNM03010	None	None	WL	-	3311651	MECCA	Unprocessed	Animals - Birds - Laridae - Leucophaeus atricilla
Animals - Birds	Leucophaeus atricilla	laughing gull	ABNNM03010	None	None	WL	-	3311641	OASIS	Unprocessed	Animals - Birds - Laridae - Leucophaeus atricilla
Animals - Birds	Rynchops niger	black skimmer	ABNNM14010	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Laridae - Rynchops niger
Animals - Birds	Rynchops niger	black skimmer	ABNNM14010	None	None	SSC	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Laridae - Rynchops niger
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311661	THERMAL CANYON	Mapped	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311662	INDIO	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311653	MARTINEZ MTN.	Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311662	INDIO	Mapped	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3311651	MECCA	Unprocessed	Animals - Birds - Pandionidae - Pandion haliaetus
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3311641	OASIS	Unprocessed	Animals - Birds - Pandionidae - Pandion haliaetus
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia

Animals - Birds	Melospiza aberti	Abert's towhee	ABPBX74050	None	None	-	-	3311651	MECCA	Unprocessed	Animals - Birds - Passerellidae - Melospiza aberti
Animals - Birds	Melospiza aberti	Abert's towhee	ABPBX74050	None	None	-	-	3311641	OASIS	Unprocessed	Animals - Birds - Passerellidae - Melospiza aberti
Animals - Birds	Melospiza aberti	Abert's towhee	ABPBX74050	None	None	-	-	3311652	VALERIE	Unprocessed	Animals - Birds - Passerellidae - Melospiza aberti
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311651	MECCA	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311641	OASIS	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Pelecanus erythrorhynchos	American white pelican	ABNFC01010	None	None	SSC	-	3311641	OASIS	Unprocessed	Animals - Birds - Pelecanidae - Pelecanus erythrorhynchos
Animals - Birds	Pelecanus erythrorhynchos	American white pelican	ABNFC01010	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Pelecanidae - Pelecanus erythrorhynchos
Animals - Birds	Pelecanus occidentalis californicus	California brown pelican	ABNFC01021	Delisted	Delisted	FP	-	3311651	MECCA	Unprocessed	Animals - Birds - Pelecanidae - Pelecanus occidentalis californicus
Animals - Birds	Pelecanus occidentalis californicus	California brown pelican	ABNFC01021	Delisted	Delisted	FP	-	3311641	OASIS	Mapped	Animals - Birds - Pelecanidae - Pelecanus occidentalis californicus
Animals - Birds	Nannopterum auritum	double-crested cormorant	ABNFD01020	None	None	WL	-	3311641	OASIS	Unprocessed	Animals - Birds - Phalacrocoracidae - Nannopterum auritum
Animals - Birds	Nannopterum auritum	double-crested cormorant	ABNFD01020	None	None	WL	-	3311651	MECCA	Unprocessed	Animals - Birds - Phalacrocoracidae - Nannopterum auritum
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311662	INDIO	Mapped and Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311661	THERMAL CANYON	Mapped and Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311663	LA QUINTA	Mapped	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311641	OASIS	Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura

Animals - Birds	Poliophtila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311652	VALERIE	Unprocessed	Animals - Birds - Poliophtilidae - Poliophtila melanura
Animals - Birds	Rallus obsoletus yumanensis	Yuma Ridgway's rail	ABNME0501A	Endangered	Threatened	FP	-	3311641	OASIS	Unprocessed	Animals - Birds - Rallidae - Rallus obsoletus yumanensis
Animals - Birds	Rallus obsoletus yumanensis	Yuma Ridgway's rail	ABNME0501A	Endangered	Threatened	FP	-	3311662	INDIO	Unprocessed	Animals - Birds - Rallidae - Rallus obsoletus yumanensis
Animals - Birds	Rallus obsoletus yumanensis	Yuma Ridgway's rail	ABNME0501A	Endangered	Threatened	FP	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Rallidae - Rallus obsoletus yumanensis
Animals - Birds	Numenius americanus	long-billed curlew	ABNNF07070	None	None	WL	-	3311651	MECCA	Unprocessed	Animals - Birds - Scolopacidae - Numenius americanus
Animals - Birds	Numenius americanus	long-billed curlew	ABNNF07070	None	None	WL	-	3311641	OASIS	Unprocessed	Animals - Birds - Scolopacidae - Numenius americanus
Animals - Birds	Numenius americanus	long-billed curlew	ABNNF07070	None	None	WL	-	3311652	VALERIE	Unprocessed	Animals - Birds - Scolopacidae - Numenius americanus
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311653	MARTINEZ MTN.	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311641	OASIS	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311662	INDIO	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311661	THERMAL CANYON	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Plegadis chihi	white-faced ibis	ABNGE02020	None	None	WL	-	3311651	MECCA	Mapped and Unprocessed	Animals - Birds - Threskiornithidae - Plegadis chihi
Animals - Birds	Plegadis chihi	white-faced ibis	ABNGE02020	None	None	WL	-	3311641	OASIS	Mapped and Unprocessed	Animals - Birds - Threskiornithidae - Plegadis chihi
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311641	OASIS	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311652	VALERIE	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311651	MECCA	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311652	VALERIE	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Empidonax traillii brewsteri	little willow flycatcher	ABPAE33041	None	Endangered	-	-	3311651	MECCA	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii brewsteri

Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311651	MECCA	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311641	OASIS	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Pyrocephalus rubinus	vermillion flycatcher	ABPAE36010	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Birds - Tyrannidae - Pyrocephalus rubinus
Animals - Birds	Pyrocephalus rubinus	vermillion flycatcher	ABPAE36010	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Pyrocephalus rubinus
Animals - Birds	Pyrocephalus rubinus	vermillion flycatcher	ABPAE36010	None	None	SSC	-	3311661	THERMAL CANYON	Mapped	Animals - Birds - Tyrannidae - Pyrocephalus rubinus
Animals - Birds	Pyrocephalus rubinus	vermillion flycatcher	ABPAE36010	None	None	SSC	-	3311662	INDIO	Mapped	Animals - Birds - Tyrannidae - Pyrocephalus rubinus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311663	LA QUINTA	Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Fish	Xyrauchen texanus	razorback sucker	AFCJC11010	Endangered	Endangered	FP	-	3311651	MECCA	Mapped	Animals - Fish - Catostomidae - Xyrauchen texanus
Animals - Fish	Xyrauchen texanus	razorback sucker	AFCJC11010	Endangered	Endangered	FP	-	3311641	OASIS	Mapped	Animals - Fish - Catostomidae - Xyrauchen texanus
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311641	OASIS	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311651	MECCA	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311641	OASIS	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Juniperella mirabilis	juniper metallic wood-boring beetle	IICOLX9010	None	None	-	-	3311653	MARTINEZ MTN.	Mapped	Animals - Insects - Buprestidae - Juniperella mirabilis
Animals - Insects	Juniperella mirabilis	juniper metallic wood-boring beetle	IICOLX9010	None	None	-	-	3311643	CLARK LAKE NE	Mapped	Animals - Insects - Buprestidae - Juniperella mirabilis
Animals - Insects	Trichinorhipis knulli	Knull's metallic wood-boring beetle	IICOLX1100	None	None	-	-	3311651	MECCA	Mapped	Animals - Insects - Buprestidae - Trichinorhipis knulli
Animals - Insects	Hesperopsis graciellae	MacNeill's sootywing	IILEPQ6030	None	None	-	-	3311662	INDIO	Unprocessed	Animals - Insects - Hesperidae - Hesperopsis graciellae
Animals - Insects	Oliarces clara	cheeseweed owfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311663	LA QUINTA	Mapped	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Oliarces clara	cheeseweed owfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311651	MECCA	Mapped	Animals - Insects - Ithonidae - Oliarces clara

Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IORT22020	None	None	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IORT22020	None	None	-	-	3311662	INDIO	Mapped	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311663	LA QUINTA	Mapped	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Euparagia unidentata	Algodones euparagia	IIHYMBC010	None	None	-	-	3311662	INDIO	Mapped	Animals - Insects - Vespidae - Euparagia unidentata
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311661	THERMAL CANYON	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311652	VALERIE	Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311643	CLARK LAKE NE	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311642	RABBIT PEAK	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311653	MARTINEZ MTN.	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni pop. 2
Animals - Mammals	Neotoma albigula venusta	Colorado Valley woodrat	AMAFF08031	None	None	-	-	3311651	MECCA	Mapped	Animals - Mammals - Cricetidae - Neotoma albigula venusta
Animals - Mammals	Chaetodipus californicus femoralis	Dulzura pocket mouse	AMAFD05021	None	None	SSC	-	3311653	MARTINEZ MTN.	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus californicus femoralis
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311653	MARTINEZ MTN.	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311653	MARTINEZ MTN.	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311651	MECCA	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus

Animals - Mammals	Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	AMAFD03144	None	None	-	-	3311643	CLARK LAKE NE	Mapped	Animals - Mammals - Heteromyidae - Dipodomys merriami collinus
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311661	THERMAL CANYON	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311662	INDIO	Mapped	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311643	CLARK LAKE NE	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311662	INDIO	Mapped	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311661	THERMAL CANYON	Mapped	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311651	MECCA	Mapped and Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311651	MECCA	Mapped and Unprocessed	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3311662	INDIO	Mapped	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3311651	MECCA	Mapped	Animals - Mammals - Mustelidae - Taxidea taxus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311662	INDIO	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus

Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311651	MECCA	Mapped	Animals - Mammals - Sciuridae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311651	MECCA	Mapped and Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3311651	MECCA	Mapped	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Euderma maculatum	spotted bat	AMACC07010	None	None	SSC	-	3311651	MECCA	Mapped	Animals - Mammals - Vespertilionidae - Euderma maculatum
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311651	MECCA	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311662	INDIO	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311661	THERMAL CANYON	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311641	OASIS	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mollusks	Anodonta californiensis	California floater	IMBIV04220	None	None	-	-	3311652	VALERIE	Unprocessed	Animals - Mollusks - Unionidae - Anodonta californiensis
Animals - Mollusks	Anodonta californiensis	California floater	IMBIV04220	None	None	-	-	3311662	INDIO	Unprocessed	Animals - Mollusks - Unionidae - Anodonta californiensis
Animals - Reptiles	Coleonyx variegatus abbotti	San Diego banded gecko	ARACD01031	None	None	SSC	-	3311662	INDIO	Unprocessed	Animals - Reptiles - Gekkonidae - Coleonyx variegatus abbotti
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311662	INDIO	Mapped	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311651	MECCA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii

Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311643	CLARK LAKE NE	Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311642	RABBIT PEAK	Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311653	MARTINEZ MTN.	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311651	MECCA	Mapped	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311652	VALERIE	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311662	INDIO	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311662	INDIO	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311661	THERMAL CANYON	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311663	LA QUINTA	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311652	VALERIE	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311651	MECCA	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311652	VALERIE	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311663	LA QUINTA	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311653	MARTINEZ MTN.	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311641	OASIS	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Plants - Bryophytes	Jaffueliobryum raii	Rau's jaffueliobryum moss	NBMUS97010	None	None	-	2B.3	3311653	MARTINEZ MTN.	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum raii

Plants - Bryophytes	Jaffueliobryum raii	Rau's jaffueliobryum moss	NBMUS97010	None	None	-	2B.3	3311643	CLARK LAKE NE	Mapped	Plants - Bryophytes - Grimmiaceae - Jaffueliobryum raii
Plants - Vascular	Funastrium crispum	wavyleaf twinvine	PDASC0F020	None	None	-	2B.2	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Apocynaceae - Funastrium crispum
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311643	CLARK LAKE NE	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Ambrosia monogyra	singlewhorl burrobrush	PDAST50010	None	None	-	2B.2	3311651	MECCA	Mapped	Plants - Vascular - Asteraceae - Ambrosia monogyra
Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311651	MECCA	Mapped	Plants - Vascular - Asteraceae - Xylorhiza cognata
Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311661	THERMAL CANYON	Mapped	Plants - Vascular - Asteraceae - Xylorhiza cognata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311662	INDIO	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311651	MECCA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311653	MARTINEZ MTN.	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311641	OASIS	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311651	MECCA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311661	THERMAL CANYON	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Bursera microphylla	little-leaf elephant tree	PDBUR01020	None	None	-	2B.3	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Burseraceae - Bursera microphylla
Plants - Vascular	Bursera microphylla	little-leaf elephant tree	PDBUR01020	None	None	-	2B.3	3311652	VALERIE	Mapped	Plants - Vascular - Burseraceae - Bursera microphylla
Plants - Vascular	Bursera microphylla	little-leaf elephant tree	PDBUR01020	None	None	-	2B.3	3311642	RABBIT PEAK	Mapped	Plants - Vascular - Burseraceae - Bursera microphylla
Plants - Vascular	Bursera microphylla	little-leaf elephant tree	PDBUR01020	None	None	-	2B.3	3311643	CLARK LAKE NE	Mapped	Plants - Vascular - Burseraceae - Bursera microphylla

Plants - Vascular	Wislizenia refracta ssp. refracta	jackass-clover	PDCPP09013	None	None	-	2B.2	3311661	THERMAL CANYON	Mapped	Plants - Vascular - Capparaceae - Wislizenia refracta ssp. refracta
Plants - Vascular	Ditaxis claryana	glandular ditaxis	PDEUP080L0	None	None	-	2B.2	3311662	INDIO	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis claryana
Plants - Vascular	Ditaxis claryana	glandular ditaxis	PDEUP080L0	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis claryana
Plants - Vascular	Ditaxis claryana	glandular ditaxis	PDEUP080L0	None	None	-	2B.2	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis claryana
Plants - Vascular	Ditaxis serrata var. californica	California ditaxis	PDEUP08050	None	None	-	3.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis serrata var. californica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311643	CLARK LAKE NE	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311662	INDIO	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311651	MECCA	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus preussii var. laxiflorus	Lancaster milk-vetch	PDFAB0F721	None	None	-	1B.1	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Fabaceae - Astragalus preussii var. laxiflorus
Plants - Vascular	Astragalus preussii var. laxiflorus	Lancaster milk-vetch	PDFAB0F721	None	None	-	1B.1	3311662	INDIO	Mapped	Plants - Vascular - Fabaceae - Astragalus preussii var. laxiflorus
Plants - Vascular	Astragalus preussii var. laxiflorus	Lancaster milk-vetch	PDFAB0F721	None	None	-	1B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - Astragalus preussii var. laxiflorus
Plants - Vascular	Astragalus sabulorum	gravel milk-vetch	PDFAB0F7R0	None	None	-	2B.2	3311662	INDIO	Mapped	Plants - Vascular - Fabaceae - Astragalus sabulorum
Plants - Vascular	Astragalus sabulorum	gravel milk-vetch	PDFAB0F7R0	None	None	-	2B.2	3311651	MECCA	Mapped	Plants - Vascular - Fabaceae - Astragalus sabulorum
Plants - Vascular	Astragalus tricarínatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Fabaceae - Astragalus tricarínatus
Plants - Vascular	Astragalus tricarínatus	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311643	CLARK LAKE NE	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus tricarínatus
Plants - Vascular	Marina orcuttii var. orcuttii	California marina	PDFAB2F031	None	None	-	1B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - Marina orcuttii var. orcuttii

Plants - Vascular	Phaseolus filiformis	slender-stem bean	PDFAB330P0	None	None	-	2B.1	3311652	VALERIE	Mapped	Plants - Vascular - Fabaceae - Phaseolus filiformis
Plants - Vascular	Senna covesii	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311652	VALERIE	Mapped	Plants - Vascular - Fabaceae - Senna covesii
Plants - Vascular	Senna covesii	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311643	CLARK LAKE NE	Mapped	Plants - Vascular - Fabaceae - Senna covesii
Plants - Vascular	Juncus acutus ssp. leopoldii	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311662	INDIO	Unprocessed	Plants - Vascular - Juncaceae - Juncus acutus ssp. leopoldii
Plants - Vascular	Juncus acutus ssp. leopoldii	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311661	THERMAL CANYON	Unprocessed	Plants - Vascular - Juncaceae - Juncus acutus ssp. leopoldii
Plants - Vascular	Juncus cooperi	Cooper's rush	PMJUN010T0	None	None	-	4.3	3311641	OASIS	Unprocessed	Plants - Vascular - Juncaceae - Juncus cooperi
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311641	OASIS	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311651	MECCA	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Petalonyx linearis	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311643	CLARK LAKE NE	Mapped	Plants - Vascular - Loasaceae - Petalonyx linearis
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311643	CLARK LAKE NE	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311641	OASIS	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Ayenia compacta	California ayenia	PDSTE01020	None	None	-	2B.3	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Malvaceae - Ayenia compacta
Plants - Vascular	Horsfordia alata	pink velvet-mallow	PDMAL0J010	None	None	-	4.3	3311641	OASIS	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia alata
Plants - Vascular	Horsfordia alata	pink velvet-mallow	PDMAL0J010	None	None	-	4.3	3311642	RABBIT PEAK	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia alata
Plants - Vascular	Horsfordia alata	pink velvet-mallow	PDMAL0J010	None	None	-	4.3	3311652	VALERIE	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia alata
Plants - Vascular	Horsfordia alata	pink velvet-mallow	PDMAL0J010	None	None	-	4.3	3311653	MARTINEZ MTN.	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia alata
Plants - Vascular	Horsfordia alata	pink velvet-mallow	PDMAL0J010	None	None	-	4.3	3311662	INDIO	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia alata
Plants - Vascular	Horsfordia alata	pink velvet-mallow	PDMAL0J010	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia alata
Plants - Vascular	Horsfordia newberryi	Newberry's velvet-mallow	PDMAL0J020	None	None	-	4.3	3311662	INDIO	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia newberryi
Plants - Vascular	Horsfordia newberryi	Newberry's velvet-mallow	PDMAL0J020	None	None	-	4.3	3311653	MARTINEZ MTN.	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia newberryi
Plants - Vascular	Horsfordia newberryi	Newberry's velvet-mallow	PDMAL0J020	None	None	-	4.3	3311652	VALERIE	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia newberryi
Plants - Vascular	Horsfordia newberryi	Newberry's velvet-mallow	PDMAL0J020	None	None	-	4.3	3311641	OASIS	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia newberryi

Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311652	VALERIE	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311662	INDIO	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311661	THERMAL CANYON	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Mirabilis tenuiloba	slender-lobed four o'clock	PDNYC0A150	None	None	-	4.3	3311653	MARTINEZ MTN.	Unprocessed	Plants - Vascular - Nyctaginaceae - Mirabilis tenuiloba
Plants - Vascular	Chylismia arenaria	sand evening-primrose	PDONA03020	None	None	-	2B.2	3311641	OASIS	Mapped	Plants - Vascular - Onagraceae - Chylismia arenaria
Plants - Vascular	Tetracoccus hallii	Hall's tetracoccus	PDEUP1C021	None	None	-	4.3	3311661	THERMAL CANYON	Unprocessed	Plants - Vascular - Picrodendraceae - Tetracoccus hallii
Plants - Vascular	Pseudorontium cyathiferum	Deep Canyon snapdragon	PDSCR2R010	None	None	-	2B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Plantaginaceae - Pseudorontium cyathiferum
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Eriastrum harwoodii	Harwood's eriastrum	PDPLM030B1	None	None	-	1B.2	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Polemoniaceae - Eriastrum harwoodii
Plants - Vascular	Leptosiphon floribundus ssp. hallii	Santa Rosa Mountains leptosiphon	PDPLM090J3	None	None	-	1B.3	3311653	MARTINEZ MTN.	Mapped	Plants - Vascular - Polemoniaceae - Leptosiphon floribundus ssp. hallii
Plants - Vascular	Leptosiphon floribundus ssp. hallii	Santa Rosa Mountains leptosiphon	PDPLM090J3	None	None	-	1B.3	3311652	VALERIE	Mapped	Plants - Vascular - Polemoniaceae - Leptosiphon floribundus ssp. hallii
Plants - Vascular	Leptosiphon floribundus ssp. hallii	Santa Rosa Mountains leptosiphon	PDPLM090J3	None	None	-	1B.3	3311643	CLARK LAKE NE	Mapped	Plants - Vascular - Polemoniaceae - Leptosiphon floribundus ssp. hallii
Plants - Vascular	Chorizanthe leptotheca	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe leptotheca
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311651	MECCA	Mapped	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311651	MECCA	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi

BIOLOGICAL RESOURCES - CNDDDB RESULTS

Table 1 includes all recorded plant species found through the CNDDDB search consisting of all quadrangles within the District boundaries.

TABLE 1 PLANT SPECIES				
Plant Species	Common Name	Status		
		Federal	State	Special Status
Abronia villosa var. aurita	chaparral sand- verbena			1B.1
Abronia villosa var. aurita	chaparral sand-verbena			1B.1
Acmispon haydonii	pygmy lotus			1B.3
Allium atrorubens var. cristatum	Inyo onion			4.3
Allium parishii	Parish's onion			4.3
Almutaster pauciflorus	alkali marsh aster			2B.2
Aloysia wrightii	Wright's beebrush			4.3
Ambrosia monogyra	singlewhorl burrobrush			2B.2
Astragalus bernardinus	San Bernardino milk-vetch			1B.2
Astragalus bicristatus	crested milk- vetch			4.3
Astragalus hornii var. hornii	Horn's milk- vetch			1B.1
Astragalus insularis var. harwoodii	Harwood's milk-vetch			2B.2
Astragalus lentiginosus var. borreganus	Borrego milk- vetch			4.3
Astragalus lentiginosus var. coachellae	Coachella Valley milk- vetch	Endangered		1B.2
Astragalus leucolobus	Big Bear Valley woollypod			1B.2
Astragalus preussii var. laxiflorus	Lancaster milk- vetch			1B.1
Astragalus sabulonum	gravel milk- vetch			2B.2
Astragalus tricarinatus	triple-ribbed milk-vetch	Endangered		1B.2
Astragalus sabulonum	gravel milk- vetch			2B.2
Atriplex parishii	Parish's brittlescale			1B.1

TABLE 1
PLANT SPECIES

Plant Species	Common Name	Status		
		Federal	State	Special Status
Ayenia compacta	California ayenia			2B.3
Boechera dispar	pinyon rockcress			2B.3
Boechera johnstonii	Johnston's rockcress			1B.2
Boechera lincolnensis	Lincoln rockcress			2B.3
Boechera parishii	Parish's rockcress			1B.2
Bursera microphylla	little-leaf elephant tree			2B.3
Bursera microphylla	little-leaf elephant tree			2B.3
Calochortus palmeri var. munzii	San Jacinto mariposa-lily			1B.2
Calochortus palmeri var. palmeri	Palmer's mariposa-lily			1B.2
Calochortus striatus	alkali mariposa-lily			1B.2
Carex occidentalis	western sedge			2B.3
Castela emoryi	Emory's crucifixion- thorn			2B.2
Castilleja lasiorhyncha	San Bernardino Mountains owl's-clover			1B.2
Caulanthus simulans	Payson's jewelflower			4.2
Chaenactis parishii	Parish's chaenactis			1B.3
Chorizanthe leptotheca	Peninsular spineflower			4.2
Chorizanthe parryi var. parryi	Parry's spineflower			1B.1
Chorizanthe polygonoides var. longispina	long-spined spineflower			1B.2
Chorizanthe xanti var. leucotheca	white-bracted spineflower			1B.2
Chylismia arenaria	sand evening- primrose			2B.2
Cladium californicum	California saw-grass			2B.2
Colubrina californica	Las Animas colubrina			2B.3
Condalia globosa var. pubescens	spiny abrojo			4.2
Cordylanthus eremicus ssp. eremicus	desert bird's- beak			4.3

TABLE 1
PLANT SPECIES

Plant Species	Common Name	Status		
		Federal	State	Special Status
<i>Coryphantha alversonii</i>	Alverson's foxtail cactus			4.3
<i>Cuscuta californica</i> var. <i>apiculata</i>	pointed dodder			3
<i>Cymopterus multinervatus</i>	purple-nerve cymopterus			2B.2
<i>Deinandra mohavensis</i>	Mojave tarplant		Endangered	1B.3
<i>Delphinium parishii</i> ssp. <i>subglobosum</i>	Colorado Desert larkspur			4.3
<i>Dieteria canescens</i> var. <i>ziegleri</i>	Ziegler's aster			1B.2
<i>Diplacus johnstonii</i>	Johnston's monkeyflower			4.3
<i>Ditaxis claryana</i>	glandular ditaxis			2B.2
<i>Ditaxis serrata</i> var. <i>californica</i>	California ditaxis			3.2
<i>Ditaxis serrata</i> var. <i>californica</i>	California ditaxis			3.2
<i>Dodecahema leptoceras</i>	slender-horned spineflower	Endangered	Endangered	1B.1
<i>Draba saxosa</i>	Southern California rock draba			1B.3
<i>Eremothera boothii</i> ssp. <i>boothii</i>	Booth's evening- primrose			2B.3
<i>Eriastrum harwoodii</i>	Harwood's eriastrum			1B.2
<i>Erigeron breweri</i> var. <i>jacinteus</i>	San Jacinto Mountains daisy			4.3
<i>Erigeron parishii</i>	Parish's daisy	Threatened		1B.1
<i>Eriogonum evanidum</i>	vanishing wild buckwheat			1B.1
<i>Erythranthe diffusa</i>	Palomar monkeyflower			4.3
<i>Eschscholzia androuxii</i>	Joshua Tree poppy			4.3
<i>Euphorbia abramsiana</i>	Abrams' spurge			2B.2
<i>Euphorbia arizonica</i>	Arizona spurge			2B.3
<i>Euphorbia jaegeri</i>	Orocopia Mountains spurge			1B.1
<i>Euphorbia misera</i>	cliff spurge			2B.2
<i>Euphorbia platysperma</i>	flat-seeded spurge			1B.2
<i>Euphorbia revoluta</i>	revolute spurge			4.3
<i>Funastrum crispum</i>	wavyleaf twinvine			2B.2

TABLE 1
PLANT SPECIES

Plant Species	Common Name	Status		
		Federal	State	Special Status
<i>Funastrum utahense</i>	Utah vine milkweed			4.2
<i>Funastrum utahense</i>	Utah vine milkweed			4.2
<i>Galium angustifolium</i> ssp. <i>gabrielense</i>	San Antonio Canyon bedstraw			4.3
<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw			4.2
<i>Galium angustifolium</i> ssp. <i>jacinticum</i>	San Jacinto Mountains bedstraw			1B.3
<i>Galium jepsonii</i>	Jepson's bedstraw			4.3
<i>Galium johnstonii</i>	Johnston's bedstraw			4.3
<i>Galium munzii</i>	Munz's bedstraw			4.3
<i>Grusonia parishii</i>	Parish's club- cholla			2B.2
<i>Heuchera hirsutissima</i>	shaggy-haired alumroot			1B.3
<i>Heuchera parishii</i>	Parish's alumroot			1B.3
<i>Horsfordia alata</i>	pink velvet- mallow			4.3
<i>Horsfordia newberryi</i>	Newberry's velvet-mallow			4.3
<i>Hulsea vestita</i> ssp. <i>callicarpha</i>	beautiful hulsea			4.2
<i>Hulsea vestita</i> ssp. <i>parryi</i>	Parry's hulsea			4.3
<i>Imperata brevifolia</i>	California satintail			2B.1
<i>Ivesia argyrocoma</i> var. <i>argyrocoma</i>	silver-haired ivesia			1B.2
<i>Ivesia callida</i>	Tahquitz ivesia		Rare	1B.3
<i>Jaffueliobryum raui</i>	Rau's jaffueliobryum moss			2B.3
<i>Jaffueliobryum wrightii</i>	Wright's jaffueliobryum moss			2B.3
<i>Johnstonella costata</i>	ribbed cryptantha			4.3
<i>Johnstonella holoptera</i>	winged cryptantha			4.3
<i>Johnstonella costata</i>	ribbed cryptantha			4.3
<i>Johnstonella holoptera</i>	winged cryptantha			4.3

TABLE 1
PLANT SPECIES

Plant Species	Common Name	Status		
		Federal	State	Special Status
<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush			4.2
<i>Juncus cooperi</i>	Cooper's rush			4.3
<i>Juncus duranii</i>	Duran's rush			4.3
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields			1B.1
<i>Lepidium flavum</i> var. <i>felipense</i>	Blair Valley pepper- grass			1B.2
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass			4.3
<i>Leptosiphon floribundus</i> ssp. <i>hallii</i>	Santa Rosa Mountains leptosiphon			1B.3
<i>Lilium parryi</i>	lemon lily			1B.2
<i>Linanthus jaegeri</i>	San Jacinto linanthus			1B.2
<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. linanthus			1B.2
<i>Lycium torreyi</i>	Torrey's box- thorn			4.2
<i>Malaxis monophyllos</i> var. <i>brachypoda</i>	white bog adder's-mouth			2B.1
<i>Marina orcuttii</i> var. <i>orcuttii</i>	California marina			1B.3
<i>Matelea parvifolia</i>	spear-leaf matelea			2B.3
<i>Meesia triquetra</i>	three-ranked hump moss			4.2
<i>Meesia uliginosa</i>	broad-nerved hump moss			2B.2
<i>Menodora spinescens</i> var. <i>mohavensis</i>	Mojave menodora			1B.2
<i>Mentzelia puberula</i>	Darlington's blazing star			2B.2
<i>Mentzelia tricuspis</i>	spiny-hair blazing star			2B.1
<i>Mirabilis tenuiloba</i>	slender-lobed four o'clock			4.3
<i>Monardella nana</i> ssp. <i>leptosiphon</i>	San Felipe monardella			1B.2
<i>Monardella robisonii</i>	Robison's monardella			1B.3
<i>Muhlenbergia appressa</i>	appressed muhly			2B.2
<i>Muhlenbergia californica</i>	California muhly			4.3

TABLE 1
PLANT SPECIES

Plant Species	Common Name	Status		
		Federal	State	Special Status
Nemacaulis denudata var. gracilis	slender cottonheads			2B.2
Nemacladus gracilis	graceful nemacladus			4.3
Nemacladus gracilis	graceful nemacladus			4.3
Panicum hirticaule ssp. hirticaule	roughstalk witch grass			2B.1
Penstemon californicus	California beardtongue			1B.2
Penstemon clevelandii var. connatus	San Jacinto beardtongue			4.3
Penstemon pseudospectabilis ssp. pseudospectabilis	desert beardtongue			2B.2
Penstemon thurberi	Thurber's beardtongue			4.2
Pentachaeta aurea ssp. aurea	golden-rayed pentachaeta			4.2
Petalonyx linearis	narrow-leaf sandpaper- plant			2B.3
Phaseolus filiformis	slender-stem bean			2B.1
Polygala acanthoclada	thorny milkwort			2B.3
Portulaca halimoides	desert portulaca			4.2
Potentilla rimicola	cliff cinquefoil			2B.3
Pseudorontium cyathiferum	Deep Canyon snapdragon			2B.3
Rupertia rigida	Parish's rupertia			4.3
Saltugilia latimeri	Latimer's woodland- gilia			1B.2
Salvia greatae	Orocopia sage			1B.3
Sedum niveum	Davidson's stonecrop			4.2
Selaginella asprella	bluish spike- moss			4.3
Selaginella eremophila	desert spike- moss			2B.2
Senna covesii	Cove's cassia			2B.2
Sidalcea neomexicana	salt spring checkerbloom			2B.2
Sidotheca caryophylloides	chickweed oxytheca			4.3
Sidotheca emarginata	white-margined oxytheca			1B.3

TABLE 1 PLANT SPECIES				
Plant Species	Common Name	Status		
		Federal	State	Special Status
<i>Spermolepis gigantea</i>	desert scaleseed			2B.1
<i>Sphaeralcea rusbyi</i> var. <i>eremicola</i>	Rusby's desert-mallow			1B.2
<i>Stemodia durantifolia</i>	purple stemodia			2B.1
<i>Stemodia durantifolia</i>	purple stemodia			2B.1
<i>Streptanthus bernardinus</i>	Laguna Mountains jewelflower			4.3
<i>Streptanthus campestris</i>	southern jewelflower			1B.3
<i>Stylocline sonorensis</i>	mesquite neststraw			2A
<i>Symphotrichum defoliatum</i>	San Bernardino aster			1B.2
<i>Syntrichopappus lemmonii</i>	Lemmon's syntrichopappus			4.3
<i>Tetracoccus hallii</i>	Hall's tetracoccus			4.3
<i>Thelypteris puberula</i> var. <i>sonorensis</i>	Sonoran maiden fern			2B.2
<i>Thysanocarpus rigidus</i>	rigid fringe-pod			1B.2
<i>Tragia ramosa</i>	desert tragia			4.3
<i>Trichostema austromontanum</i> ssp. <i>compactum</i>	Hidden Lake bluecurls	Delisted		1B.1
<i>Wislizenia refracta</i> ssp. <i>refracta</i>	jackass- clover			2B.2
<i>Xylorhiza cognata</i>	Mecca-aster			1B.2
<i>Yucca brevifolia</i>	western Joshua tree	Candidate Threatened		-

Source: California Department of Fish and Wildlife, California Natural Diversity Database (CNDDDB) BiosViewer. <https://apps.wildlife.ca.gov/bios/>. Accessed February 2022.

Note: *Identified within the 55 quadrangles encompassing the District Boundaries

Key for CNPS Rare Plant Ranks:

1B.1 = Rare, threatened, or endangered in California and elsewhere; *seriously threatened in California*

1B.2 = Rare, threatened, or endangered in California and elsewhere; moderately threatened in California

1B.3 = Rare, threatened, or endangered in California and elsewhere; not very threatened in California

2A = Presumed extinct in California, but extant elsewhere

2B.1 = Rare, threatened, or endangered in Calif., but more common elsewhere; *seriously threatened in Calif.*

2B.2 = Rare, threatened, or endangered in Calif., but more common elsewhere; moderately threatened in Calif.

2B.3 = Rare, threatened, or endangered in Calif., but more common elsewhere; not very threatened in Calif.

3 = Plants about which we need more information (Review List)

3.1 = Plants about which we need more information (Review List); *seriously threatened in California*

3.2 = Plants about which we need more information (Review List); moderately threatened in California

3.3 = Plants about which we need more information (Review List); not very threatened in California

4.1 = Plants of *limited distribution (watch list); seriously threatened in California*

4.2 = Plants of limited distribution (watch list); *moderately threatened in California*

4.3 = Plants of limited distribution (watch list); not very threatened in California

Table 2 includes all federal, state, and special status listed bird species found through the CNDDb search consisting of all quadrangles within the District boundaries.

TABLE 2 BIRD SPECIES				
Bird Species	Common Name	Status		Special Status
		Federal	State	
Accipiter cooperii	Cooper's hawk			WL
Accipiter gentilis	northern goshawk			SSC
Accipiter striatus	sharp-shinned hawk			WL
Aimophila ruficeps canescens	southern California rufous-crowned sparrow			WL
Ammodramus savannarum	grasshopper sparrow			SSC
Aquila chrysaetos	golden eagle			FP , WL
Artemisospiza belli belli	Bell's sage sparrow			WL
Asio flammeus	short-eared owl			SSC
Asio otus	long-eared owl			SSC
Athene cunicularia	burrowing owl			SSC
Aythya americana	redhead			SSC
Buteo regalis	ferruginous hawk			WL
Buteo swainsoni	Swainson's hawk		Threatened	
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren			SSC
Chaetura vauxi	Vaux's swift			SSC
Charadrius montanus	mountain plover			SSC
Charadrius nivosus nivosus	western snowy plover	Threatened		SSC
Chlidonias niger	black tern			SSC
Circus hudsonius	northern harrier			SSC
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Threatened	Endangered	
Contopus cooperi	olive-sided flycatcher			SSC

TABLE 2 BIRD SPECIES				
Bird Species	Common Name	Status		
		Federal	State	Special Status
Cypseloides niger	black swift			SSC
Empidonax traillii brewsteri	little willow flycatcher		Endangered	
Empidonax traillii extimus	southwestern willow flycatcher	Endangered	Endangered	
Eremophila alpestris actia	California horned lark			WL
Falco columbarius	merlin			WL
Falco mexicanus	prairie falcon			WL
Falco peregrinus anatum	American peregrine falcon	Delisted	Delisted	FP
Gavia immer	common loon			SSC
Gelochelidon nilotica	gull-billed tern			SSC
Gymnogyps californianus	California condor	Endangered	Endangered	FP
Haliaeetus leucocephalus	bald eagle	Delisted	Endangered	FP
Icteria virens	yellow- breasted chat			SSC
Ixobrychus exilis	least bittern			SSC
Junco hyemalis caniceps	gray-headed junco			WL
Lanius ludovicianus	loggerhead shrike			SSC
Larus californicus	California gull			WL
Laterallus jamaicensis coturniculus	California black rail		Threatened	FP
Leiothlypis luciae	Lucy's warbler			SSC
Leiothlypis virginiae	Virginia's warbler			WL
Leucophaeus atricilla	laughing gull			WL
Micrathene whitneyi	elf owl		Endangered	
Mycteria americana	wood stork			SSC
Myiarchus tyrannulus	brown- crested flycatcher			WL
Nannopterum auritum	double- crested cormorant			WL
Numenius americanus	long-billed curlew			WL
Pandion haliaetus	osprey			WL
Passerculus sandwichensis alaudinus	Bryant's savannah sparrow			SSC
Passerculus sandwichensis rostratus	large-billed savannah sparrow			SSC

TABLE 2 BIRD SPECIES				
Bird Species	Common Name	Status		
		Federal	State	Special Status
<i>Pelecanus erythrorhynchos</i>	American white pelican			SSC
<i>Pelecanus occidentalis californicus</i>	California brown pelican	Delisted	Delisted	FP
<i>Piranga flava</i>	hepatic tanager			WL
<i>Piranga rubra</i>	summer tanager			SSC
<i>Plegadis chihi</i>	white-faced ibis			WL
<i>Polioptila californica californica</i>	coastal California gnatcatcher	Threatened		SSC
<i>Polioptila melanura</i>	black-tailed gnatcatcher			WL
<i>Progne subis</i>	purple martin			SSC
<i>Pyrocephalus rubinus</i>	vermillion flycatcher			SSC
<i>Rallus obsoletus yumanensis</i>	Yuma Ridgway's rail	Endangered	Threatened	FP
<i>Rynchops niger</i>	black skimmer			SSC
<i>Setophaga petechia</i>	yellow warbler			SSC
<i>Strix occidentalis occidentalis</i>	California Spotted Owl			SSC
<i>Toxostoma bendirei</i>	Bendire's thrasher			SSC
<i>Toxostoma crissale</i>	Crissal thrasher			SSC
<i>Toxostoma lecontei</i>	Le Conte's thrasher			SSC
<i>Vireo bellii pusillus</i>	least Bell's vireo	Endangered	Endangered	
<i>Vireo vicinior</i>	gray vireo			SSC
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird			SSC

Source: California Department of Fish and Wildlife, California Natural Diversity Database (CNDDDB) BiosViewer.
<https://apps.wildlife.ca.gov/bios/>. Accessed April 2022.

Note: *Identified within the Coachella Valley quadrangle

Federal and State status:

SSC = CDFW Species of Special Concern

FP = CDFW Fully Protected

WL = CDFW Watch List

Table 3 includes all federal, state, and special status listed amphibian species found through the CNDDDB search consisting of all 55 quadrangles.

TABLE 3 AMPHIBIAN SPECIES				
Species	Common Name	Status		
		Federal	State	Special Status
Anaxyrus californicus	arroyo toad	Endangered		SSC
Batrachoseps major aridus	desert slender salamander	Endangered	Endangered	
Ensatina eschscholtzii croceater	yellow-blotched salamander			WL
Ensatina eschscholtzii klauberi	large-blotched salamander			WL
Lithobates yavapaiensis	lowland leopard frog			SSC
Rana draytonii	California red- legged frog	Threatened		SSC
Rana muscosa	southern mountain yellow- legged frog	Endangered	Endangered	WL
Scaphiopus couchii	Couch's spadefoot			SSC

Source: California Department of Fish and Wildlife, California Natural Diversity Database (CNDDDB) BiosViewer.
<https://apps.wildlife.ca.gov/bios/>. Accessed April 2022.

Note: *Identified within the Coachella Valley quadrangle

Federal and State status:

SSC = CDFW Species of Special Concern

FP = CDFW Fully Protected

WL = CDFW Watch List

Table 4 includes the remaining federal, state, and special status listed species found through the CNDDDB search consisting of all 55 quadrangles.

TABLE 4 OTHER SPECIES					
Species	Common Name	Species Type	Status		
			Federal	State	Special Status
Cyprinodon macularius	desert pupfish	Fish	Endangered		SSC
Oncorhynchus mykiss irideus pop. 10	steelhead - southern California DPS	Fish	Endangered	Endangered	
Rhinichthys osculus ssp. 8	Santa Ana speckled dace	Fish			WL

TABLE 4
OTHER SPECIES

Species	Common Name	Species Type	Status		Special Status
			Federal	State	
Xyrauchen texanus	razorback sucker	Fish			WL
Dinacoma caseyi	Casey's June beetle	Insect			SSC
Euphydryas editha quino	quino checkerspot butterfly	Insect	Threatened		SSC
Antrozous pallidus	pallid bat		Endangered	Endangered	WL
Chaetodipus californicus femoralis	Dulzura pocket mouse				SSC
Chaetodipus fallax fallax	northwestern San Diego pocket mouse				SSC
Chaetodipus fallax pallidus	pallid San Diego pocket mouse				SSC
Corynorhinus townsendii	Townsend's big-eared bat				SSC
Dipodomys stephensi	Stephens' kangaroo rat		Endangered	Threatened	
Euderma maculatum	spotted bat				SSC
Eumops perotis californicus	western mastiff bat				SSC
Glaucomys oregonensis californicus	San Bernardino flying squirrel				SSC
Lasiurus xanthinus	western yellow bat				SSC
Macrotus californicus	California leaf-nosed bat				SSC
Neotoma lepida intermedia	San Diego desert woodrat				SSC
Nyctinomops femorosaccus	pocketed free-tailed bat				SSC
Nyctinomops macrotis	big free-tailed bat				SSC
Onychomys torridus ramona	southern grasshopper mouse				SSC
Ovis canadensis nelsoni	desert bighorn sheep				FP
Ovis canadensis nelsoni pop. 2	Peninsular bighorn sheep DPS		Endangered	Threatened	FP

TABLE 4
OTHER SPECIES

Species	Common Name	Species Type	Status		Special Status
			Federal	State	
Perognathus longimembris bangsi	Palm Springs pocket mouse				SSC
Perognathus longimembris brevinasus	Los Angeles pocket mouse				SSC
Taxidea taxus	American badger				SSC
Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel				SSC
Anniella stebbinsi	Southern California legless lizard				SSC
Arizona elegans occidentalis	California glossy snake				SSC
Aspidoscelis hyperythra	orange-throated whiptail				WL
Aspidoscelis tigris stejnegeri	coastal whiptail				SSC
Charina umbratica	southern rubber boa			Threatened	
Coleonyx variegatus abbotti	San Diego banded gecko				SSC
Crotalus ruber	red-diamond rattlesnake				SSC
Emys marmorata	western pond turtle				SSC
Gopherus agassizii	desert tortoise		Threatened	Threatened	
Phrynosoma blainvillii	coast horned lizard				SSC
Phrynosoma mcallii	flat-tailed horned lizard				SSC
Salvadora hexalepis virgultea	coast patch- nosed snake				SSC
Thamnophis hammondi	two-striped gartersnake				SSC
Uma inornata	Coachella Valley fringe- toed lizard		Threatened	Endangered	
Uma scoparia	Mojave fringe-toed lizard				SSC
Cyprinodon macularius	desert pupfish		Endangered	Endangered	

TABLE 4
OTHER SPECIES

Species	Common Name	Species Type	Status		
			Federal	State	Special Status
Xyrauchen texanus	razorback sucker		Endangered	Endangered	FP
Lasiurus xanthinus	western yellow bat				SSC
Coleonyx variegatus abbotti	San Diego banded gecko				SSC

Source: California Department of Fish and Wildlife, California Natural Diversity Database (CNDDB) BiosViewer.
<https://apps.wildlife.ca.gov/bios/>. Accessed April 2022.

Note: *Identified within the Coachella Valley quadrangle

Federal and State status:

SSC = CDFW Species of Special Concern

FP = CDFW Fully Protected

WL = CDFW Watch List



APPENDIX C

Letter correspondence between FAA and CVMVCD, dated June 16, 2021



U.S. Department
of Transportation
**Federal Aviation
Administration**

Western Pacific Region
Riverside Flight Standards District Office

6961 Flight Road
Riverside, California 92504
Phone: (951) 276-6701
Fax: (951) 689-4309

June 16, 2021

Ms. Roberta Dieckmann
Operations Manager
Coachella Valley Mosquito and Vector Control District
43-420 Trader Place
Indio, CA 92201

Dear Ms. Dieckmann:

The approval of the Congested Area Plan submitted by you on March 17, 2021 is confirmed.

This approval concerns the proposed aerial application of economic poisons within the Coachella Valley Mosquito and Vector control area. This approval is valid from June 16, 2021, through December 31, 2021. Inspectors from this office may monitor the operation to ensure compliance with the approved plan.

If you have any questions concerning this matter, please contact Inspector Peters at (951) 276-6701, extension 217.

Sincerely,

Roy R. Peters
Principal Operations Inspector

Cc: Brad Bertling dba Salton Sea Air Service, Ocean Air Helicopters

Enclosures
Congested Area Plan w/Cover Letter and Attachments



COACHELLA VALLEY MOSQUITO & VECTOR CONTROL DISTRICT

📍 43-420 Trader Place, Indio, CA 92201 📞 (760) 342-8287 📠 (760) 342-8110
🌐 www.cvmosquito.org ✉ CVmosquito@cvmvcd.org 📱 @cvmosquito 🐦 @CV_mosquito

March 17, 2021

Aviation Safety Inspector, Operations
Riverside, Ca. FSDO-WP21

Dear Safety Inspector;

Enclosed is the congested Area Flight Plan submitted in accordance with 14 CFR 137.51. The Coachella Valley Mosquito and Vector Control District, Salton Sea Air Service and Ocean Air Helicopters requesting authorization to conduct spray operations within the District boundaries in the Coachella Valley which falls within the jurisdiction of the Riverside FSDO. The Coachella Valley Mosquito and Vector Control District, Salton Sea Air Service and Ocean Air Helicopters requests approval for the proposed operation as required by 14 CFR 137.51 (b)(1).

Please feel free to contact me if you have any questions or require additional information.

Sincerely;

Roberta Dieckmann

Roberta Dieckmann
Operations Manager
Coachella Valley Mosquito and Vector Control District

Brad Bertling
Aerial Applicator
Salton Sea Air Service

Hunter Olney
Aerial Applicator
Ocean Air Helicopters

BOARD OF TRUSTEES

President BENJAMIN GUITRON IV Indio | **Vice President** DOUGLAS WALKER Palm Desert
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DR. DOUGLAS KUNZ Palm Springs | ISAIAH HAGERMAN Rancho Mirage | JANELLE PERCY County at Large | JEREMY WITTIE General Manager



COACHELLA VALLEY MOSQUITO & VECTOR CONTROL DISTRICT

📍 43-420 Trader Place, Indio, CA 92201 📞 (760) 342-8287 📠 (760) 342-8110
🌐 www.cvmosquito.org ✉ CVmosquito@cvmvcd.org 🌐 @cvmosquito 🐦 @CV_mosquito

Attachments:

1. Pilot Information and Operating Certificates
2. Public Notification Information
3. Congested Area Flight Plan Map

CONGESTED AREA PLAN for the Coachella Valley Flight Area

Application Parties:

1. Coachella Valley Mosquito and Vector Control District
43-420 Trader Place
Indio, CA. 92201
(760)342-8287
Jeremy Wittie, General Manager

2. Salton Sea Air Service
101111 Desert Aire Drive
Mecca, CA. 92254
Brad Bertling, Owner/Applicator

3. Ocean Air Helicopters
P.O. Box 26
Valley Center, CA 92082
Hunter Olney, Owner/Applicator

Application Details:

1. Name and type of materials to be dispensed:
Vectobac 12AS, Vectobac WDG, Altosid Liquid, Duet, Scourge 18+54, Aqua-Reslin, DeltaGard, MetaLarv, Evergreen (5-25), Altosid Pellets, Altosid P35, Natular G, Natular G30, Natular 2EC, Merus 3.0, Dibrom
2. Type of pest control work to be accomplished:
Mosquito Control
3. Proposed Start Date:
1/1/2021
4. Proposed End Date:
12/31/2021

BOARD OF TRUSTEES

President BENJAMIN GUITRON IV Indio | **Vice President** DOUGLAS WALKER Palm Desert
Secretary BITO LARSON County at Large | **Treasurer** CLIVE WEIGHTMAN Indian Wells
MARK CARNEVALE Cathedral City | DENISE DELGADO Coachella | GARY GARDNER Desert Hot Springs | DOUG HASSETT La Quinta
DR. DOUGLAS KUNZ Palm Springs | ISAIAH HAGERMAN Rancho Mirage | JANELL PERCY County at Large | JEREMY WITTIE General Manager

5. Hours of Operation: All applications will be done in accordance to the biology of the species of mosquitoes to be controlled for the application to be most effective. If daytime applications are deemed necessary, significant additional public and official notifications will be implemented prior to the applications.

Aircraft:

Salton Sea Air Service

- Hiller 12E, (N6145G), equipped with 4 Micronair ULV atomizers.
- This aircraft has been inspected and is in compliance with the provisions of 14 CFR 137.53 (c) and 137.31(b) and will carry the documentation prescribed in 14 CFR Part 137.33.

Ocean Air Helicopters

- Bell 206B equipped with 4 Micronair ULV atomizers
- This aircraft has been inspected and is in compliance with the provisions of 14 CFR 137.53 (c) and 137.31(b) and will carry the documentation prescribed in 14 CFR Part 137.33.

Pilot Information:

Salton Sea Air Service

- Brad E. Bertling, Commercial Pilot rating, Certificate # 215665
- Mr. Bertling meets the flight experience required, and is in compliance with the provisions of 14 CFR Part 137.53 (b) (1) and (2).

Ocean Air Helicopters

- Hunter W. Olney, Commercial Pilot rating, Certificate # 3539659
- Mr. Olney meets the flight experience required, and is in compliance with the provisions of 14 CFR Part 137.53 (b) (1) and (2).

Application Conditions:

1. Aircraft will operate at altitudes of 120 -150 feet and air speed of 50-60 mph while dispensing control products. Any object in the flight area in excess of 75 vertical feet above the ground will be identified and the flight path altered to apply parallel to those structures.

2. Control Product dispensing will be performed when wind speeds are greater than 1 mph and less than 10 mph. Swath widths will be between 120 and 400 feet.

3. Reloading operations will take place in areas with a minimum clear area of 500 feet in the direction of take-off and landing.
4. When operating in Class D or E4 designated airspace, ATC notification will be made 48 hours in advance to application operations and coordination with the Palm Springs ATC facility will be accomplished via email notification to the Air Traffic Manager and contact with the control tower during dispensing operations.
5. If planned operations are not able to be performed, all Pre-flight Notification personnel will be informed as to the time and date of the rescheduled event at the soonest opportunity.
6. Aircraft will operate at altitudes prescribed by 14 CFR 91.119 (d) except during actual dispensing operations.
7. In an emergency, dispersal operations can be terminated by 2-way radio communication via the controlling ATC facility. When not in controlled airspace, pilots will monitor the nearest controlling agency, be in constant 2-way radio or cell phone communication with ground handling personnel and/or at 121.5 MHZ.
8. Emergency landings, or in the event of catastrophic failure, any suitable open areas within the work areas will be identified prior to initiation of the operation and used if feasible. ng operations.

48 hour Agency Pre-flight Notification

1. Application Area City or County Police and Fire Department designees.
2. Riverside County Agriculture Commissioners Office, Jordan Key, Supervisor, Indio
jkey@rivco.org
3. If operations are taking place in Class D or E4 designated air space: Palm Springs ATCT, G. Kenneth Sharp, Air Traffic Manager, KenSharp@faa.gov

ATTACHMENT 1

PILOT INFORMATION AND OPERATING CERTIFICATES



CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION

**1001 I STREET
SACRAMENTO, CALIFORNIA 95814**

ISSUED: January 01, 2020
EXPIRES: December 31, 2021

**Pest Control Business - Main
LICENSE
LICENSE NO. 40326**

Invalid if insurance and/or qualified person(s) lapse before expiration date.

Mailing Address

**SALTON SEA AIR SERVICE
101-111 DESERT AIR DR
NORTH SHORE, CA 92254**

Business Location

**SALTON SEA AIR SERVICE
101-111 DESERT AIR DR
NORTH SHORE, CA 92254**

POST THIS LICENSE PROMINENTLY IN PUBLIC VIEW

THIS LICENSE IS NOT TRANSFERABLE - ANY CHANGE IN OWNERSHIP REQUIRES A NEW LICENSE



CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION

1001 I STREET
SACRAMENTO, CALIFORNIA 95814

ISSUED: January 10, 2020
EXPIRES: December 31, 2021

Pest Control Business - Main LICENSE LICENSE NO. 45274

Invalid if insurance and/or qualified person(s) lapse before expiration date.

Mailing Address

OCEAN AIR HELICOPTERS, INC.
PO BOX 1522
VALLEY CENTER, CA 92082

Business Location

OCEAN AIR HELICOPTERS, INC.
16603 VESPER RD
VALLEY CENTER, CA 92082

UNITED STATES OF AMERICA XI
DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION

IV NAME
HUNTER WILLIAM OLNEY

V ADDRESS 31015 VALLEY CENTER RD
VALLEY CENTER CA 92082-8754

VI NATIONALITY USA SEX HEIGHT WEIGHT HAIR EYES
IVa D.O.B. 12 JUN 1989 M 74 185 BROWN GRAY

IX HAS BEEN FOUND TO BE PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

COMMERCIAL PILOT

X CERTIFICATE NUMBER 3539659
X DATE OF ISSUE 20 AUG 2012

XIV ADMINISTRATOR



DEPARTMENT OF PESTICIDE REGULATION LICENSING/CERTIFICATION PROGRAM

JPC

PEST CONTROL AIRCRAFT PILOT CERTIFICATE



LICENSE #: **137281**

Categories: **1**

EXPIRES: **12/31/2021**

Issued: **1/1/2020**

HUNTER W OLNEY

365 PRINCE ST
ESCONDIDO, CA 92025



This License must be shown to any representative of the Director or Commissioner upon request.



DEPARTMENT OF PESTICIDE REGULATION LICENSING/CERTIFICATION PROGRAM

QAL

QUALIFIED APPLICATOR LICENSE



LICENSE #: **131038**

Categories: **DK**

EXPIRES: **12/31/2021**

Issued: **1/1/2020**

HUNTER W OLNEY

3653 PRINCE ST
ESCONDIDO, CA 92025



This License must be shown to any representative of the Director or Commissioner upon request.

1. P
2. N
3. If
4. P
5. For more information, please contact us at 916.445.4455.

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may write to

ATTACHMENT 2

PUBLIC NOTIFICATION INFORMATION

Public Notification

Information provided below concerns the notification venues, timelines, and advance notice that will be used by the official or governing body authorizing operations to inform the affected public of planned aerial mosquito control missions. Exact names of venues, frequency of notification, and how much prior notice the affected public is given below:

- ❑ **Local TV Stations:** KMIR, KESQ, KUNA, KPSP, KDFX, KVER,
- ❑ **Local Radio Stations:** KCLB, KDES, KKUU, KCLB, KRHQ, KPLM, KDGL, KDES, KMRJ, KJJZ, KPSI, KNWZ, KNWH, KNWQ, KUNA, KLOB, ALT101.5
- ❑ **Newspapers:** The Desert Sun, Desert Star Weekly, LA Times, El Informador, La Prensa Hispana, AP News
- ❑ **Fliers:** Post disease notification and aerial adult and larval mosquito control product information signs and sandwich boards at the beginning of spray routes and major intersections.
- ❑ **Email:** We send notification via an electronic mailing list to the following: City managers and PR departments; County health and environmental officials; local school boards; local water districts; Burrtec Waste; Valley Sanitation; the Living Desert; local chambers of commerce; Palm Springs Cemetery; CV Recreation and Park; CV Resource Conservation; State assemblymen; Torrez Martinez Tribe; Eisenhower Medical Center, JFK, and Desert Regional Medical Center hospitals; and an additional 400 people who have signed up for alerts.
- ❑ **Website:** Post aerial application on our website on our Control Activities webpage <https://www.cvmosquito.org/public-health-threats/pages/current-application-activities> and in some instances on our homepage.

Describe how much advance notice is given to the affected public before an operation: **24-48 hours prior to event** when possible.

Describe the timeline and/or frequency public notice is posted: **Prior to each mission.**

I agree that our agency uses the above listed venues to inform the affected public of planned aerial mosquito control missions.

Agency Name: Coachella Valley Mosquito and Vector Control District

Contact Person: Tammy Gordon, Public Information Officer

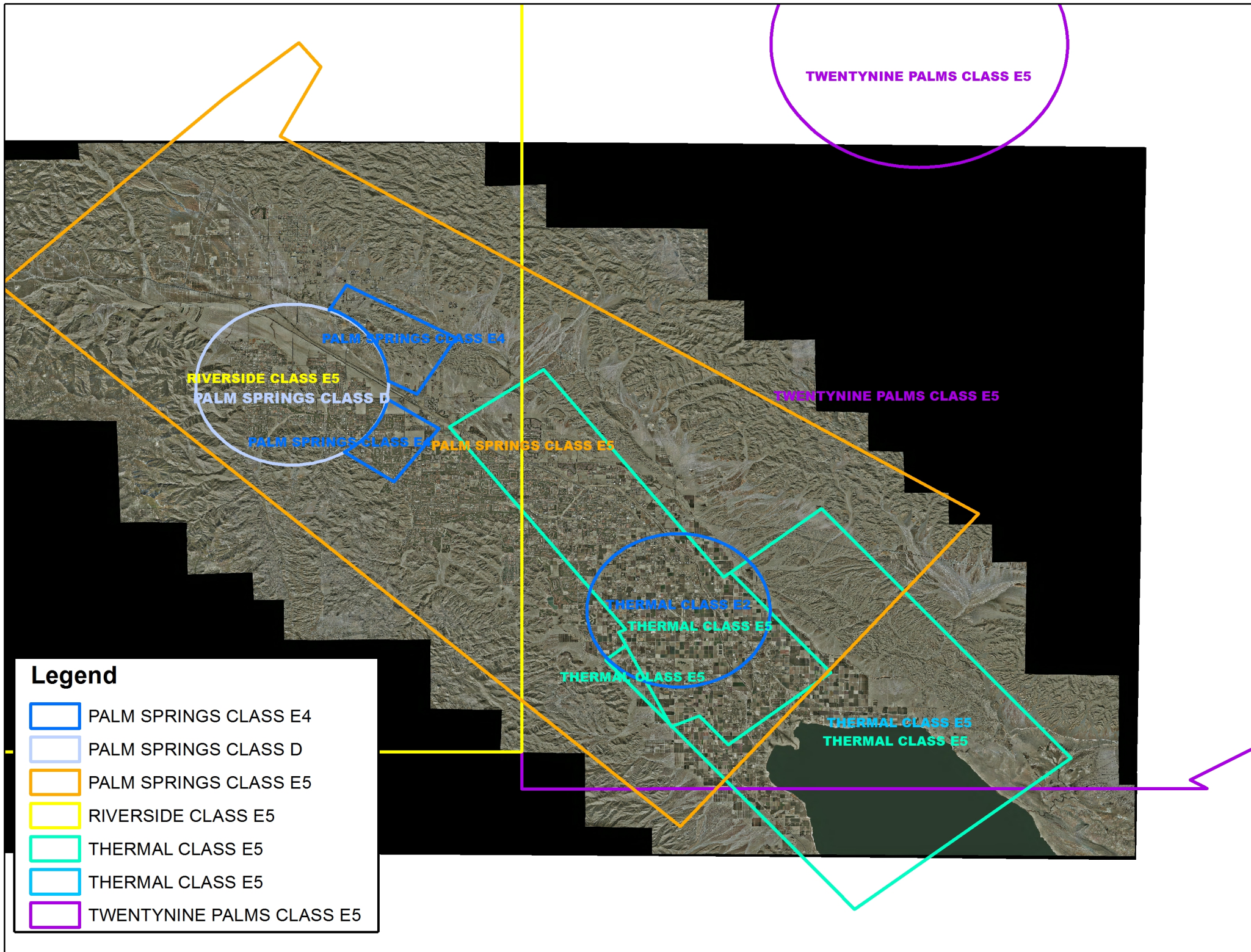
Address: 43420 Trader Place **City:** Indio **State:** CA **Zip:** 92201

Office Phone: (760) 342-8287 **Mobile:** (760) 296-2905 **Fax:** (760) 342-8110

Email: tgordon@cvmvcd.org

ATTACHMENT 3

CONGESTED AREA FLIGHT PLAN MAP



TWENTYNINE PALMS CLASS E5

PALM SPRINGS CLASS E4

RIVERSIDE CLASS E5

PALM SPRINGS CLASS D

PALM SPRINGS CLASS E4

PALM SPRINGS CLASS E5

TWENTYNINE PALMS CLASS E5

THERMAL CLASS E2

THERMAL CLASS E5

THERMAL CLASS E5

THERMAL CLASS E5

THERMAL CLASS E5

Legend

- PALM SPRINGS CLASS E4
- PALM SPRINGS CLASS D
- PALM SPRINGS CLASS E5
- RIVERSIDE CLASS E5
- THERMAL CLASS E5
- THERMAL CLASS E5
- TWENTYNINE PALMS CLASS E5



APPENDIX D

AB 52 Notification Letters and Responses



Coachella Valley Mosquito & Vector Control District

43-420 Trader Place, Indio, CA 92201 (760) 342-8287 (760) 342-8110
www.cvmosquito.org CVmosquito@cvmosquito.org @cvmosquito

May 16, 2022

Margaret Park, Chief Planning Officer
Agua Caliente Band of Cahuilla Indians
5401 Dinah Shore Drive
Palm Springs, CA 92264

SUBJECT: AB 52 Notification for the CVMVCD Integrated Vector Control Program
Supplemental Mitigated Negative Declaration
Pursuant to Public Resources Code Section 21080.3.1

PROJECT: CVMVCD Integrated Vector Management Program (IVMP) – Proposed Program Changes

Dear Ms. Park,

The Coachella Valley Mosquito and Vector Control District (CVMVCD) has proposed changes to its current Integrated Vector Management Program (IVMP) (Project) and is providing written notice to the Agua Caliente Band of Cahuilla Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The District's mission is to protect the public health by using scientifically-driven Integrated Vector Management Program (IVMP). The IVMP is a rational decision-making process which seeks to improve the efficacy, cost-effectiveness, ecological soundness and sustainability of disease-vector control. Besides being nuisances by disrupting human activities and the use and enjoyment of public and private areas, certain animals may transmit a number of diseases. The ultimate goal of the IVMP is to prevent the transmission of vector-borne diseases.

Components of IVMP include: Surveillance and Quality Control, Physical Control, Biological Control, Microbial & Chemical Control and Public Outreach.

Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC Section 21080.3.1 (d).

Project Location: As shown in **Figure 1: Project Location Map**, the proposed Project is located in the greater Coachella Valley portion of Riverside County. The CVMVCD service area includes a 2,400 square mile jurisdiction contained within Riverside County including Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, Rancho Mirage, and unincorporated sections of Riverside County.

Letter To: Margaret Park, Chief Planning Officer, Agua Caliente Band of Cahuilla Indians
Re: AB 52 Notification – CVMVCD IVMP Supplemental MND
May 16, 2022
Page 2 of 2

Project Description: The proposed Project would involve changes to the District's existing IVMP implemented in 2011. The Supplemental MND will consider current and future programmatic changes to District's IVMP. Potential changes to the IVCP include:

- Plans to use malathion (an organophosphate adult pesticide) in instances of high risk for virus transmission. Potential use of new product registration that that could be available in the next 5 years. Currently the District uses pyrethrins and pyrethroids for adult mosquito pesticides in response to very high adult mosquito traps and in response to high risk of virus transmission. Monitoring activities for efficacy of these products indicates that some mosquitoes are resistant to the pesticides.
- The 2011 IVMP plan indicates that the District makes few treatments by helicopter. Currently, the District routinely makes on average 20 treatments in the rural area of pesticides to control mosquito larvae or adults each year. Not all of these are during daylight hours (as stated in the prior 2011 MND). A more significant change is making 6 to 10 applications by helicopter over cities. This is done with permits from the FAA and monitored by Riverside County Department of Agriculture. As a result of increased helicopter flights, the following concerns have been expressed by the public:
 - Changes to noise levels from helicopter over flights, and
 - Applications are primarily of Bti (larvicide) for mosquito larvae. This product is the preferred one by USFW when in areas near Casey's June beetle.
- Drone applications – The District is starting these in late 2022. The drone applications will be along the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.
- Future work – The District is exploring using sterile mosquitoes. Male invasive *Aedes* mosquitoes would be released, mate with wild invasive *Aedes* female mosquitoes, and any eggs laid would not be viable. The CVMVCD Board supports the work, and staff anticipate several years before the District would be ready to implement.


Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). CVMVCD is currently preparing a Supplemental Mitigated Negative Declaration to evaluate the proposed changes to the CVMVCD IVMP's potential environmental impacts.

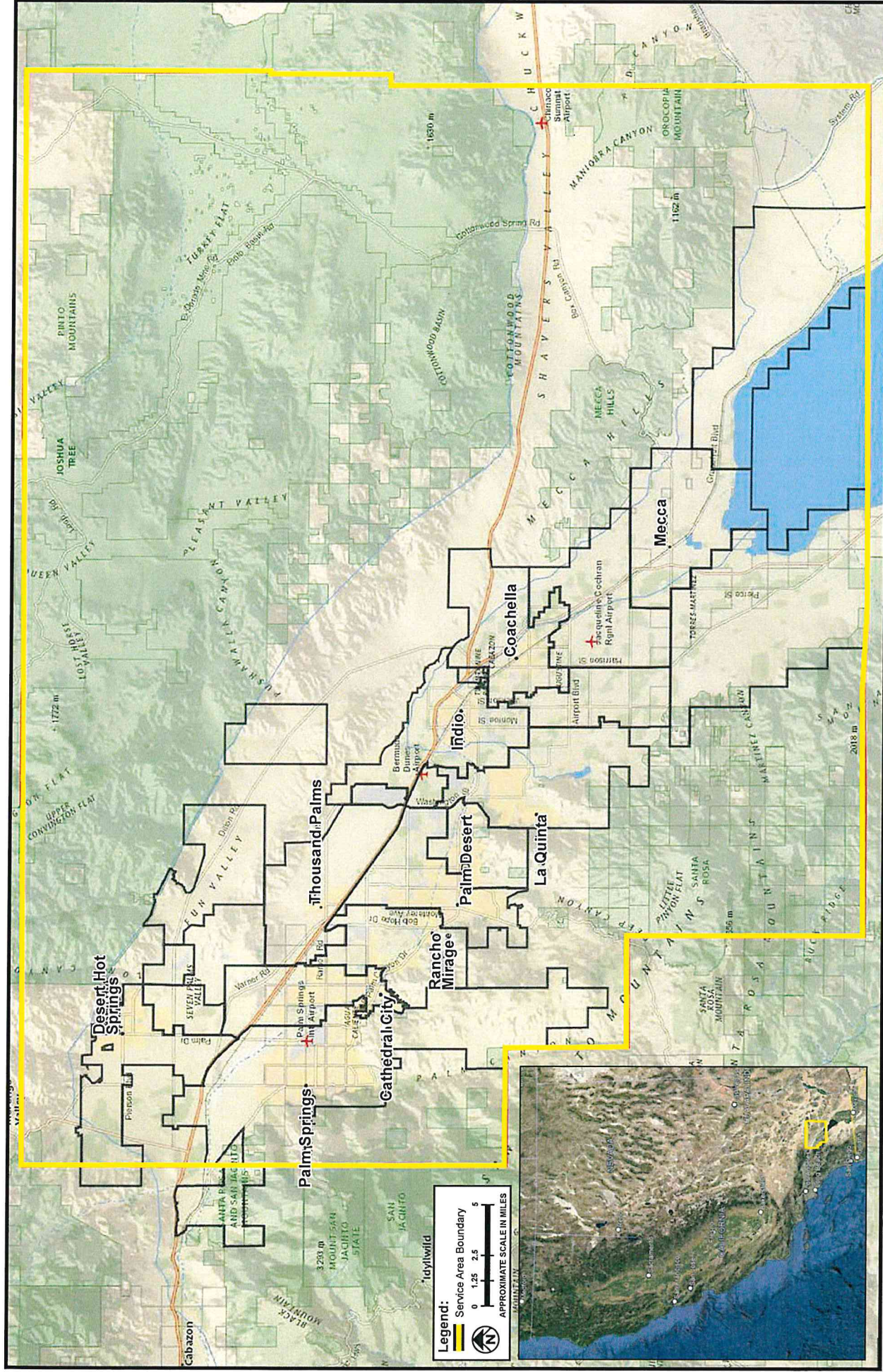
As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC Section 21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Ms. Jennifer Henke, Laboratory Manager at (760) 393-8029 or by email at: JHenke@cvmosquito.org.

Regards,

Jeremy Wittie
General Manager





SOURCE: Coachella Valley District Boundary Map - 2022; Google Earth - 2022

FIGURE 1

CVMVCD Boundary and Service Area



Coachella Valley Mosquito & Vector Control District

📍 43-420 Trader Place, Indio, CA 92201 📞 (760) 342-8287 📠 (760) 342-8110
🌐 www.cvmosquito.org ✉ CVmosquito@cvmosquito.org 📺 @cvmosquito

May 16, 2022

Amanda Vance, Chairperson
Augustine Band of Cahuilla Indians
P. O. Box 846
Coachella, CA 92236

SUBJECT: AB 52 Notification for the CVMVCD Integrated Vector Control Program
Supplemental Mitigated Negative Declaration
Pursuant to Public Resources Code Section 21080.3.1

PROJECT: CVMVCD Integrated Vector Management Program (IVMP) – Proposed Program Changes

Dear Ms. Vance,

The Coachella Valley Mosquito and Vector Control District (CVMVCD) has proposed changes to its current Integrated Vector Management Program (IVMP) (Project) and is providing written notice to the Augustine Band of Cahuilla Indian Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The District's mission is to protect the public health by using scientifically-driven Integrated Vector Management Program (IVMP). The IVMP is a rational decision-making process which seeks to improve the efficacy, cost-effectiveness, ecological soundness and sustainability of disease-vector control. Besides being nuisances by disrupting human activities and the use and enjoyment of public and private areas, certain animals may transmit a number of diseases. The ultimate goal of the IVMP is to prevent the transmission of vector-borne diseases.

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Letter To: Amanda Vance, Chairperson, Augustine Band of Cahuilla Indians
Re: AB 52 Notification – CVMVCD IVMP Supplemental MND
May 16, 2022
Page 2 of 2

Project Description: The proposed Project would involve changes to the District's existing IVMP implemented in 2011. The Supplemental MND will consider current and future programmatic changes to District's IVMP. Potential changes to the IVCP include:

- Plans to use malathion (an organophosphate adult pesticide) in instances of high risk for virus transmission. Potential use of new product registration that that could be available in the next 5 years. Currently the District uses pyrethrins and pyrethroids for adult mosquito pesticides in response to very high adult mosquito traps and in response to high risk of virus transmission. Monitoring activities for efficacy of these products indicates that some mosquitoes are resistant to the pesticides.
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 - Applications are primarily of Bti (larvicide) for mosquito larvae. This product is the preferred one by USFW when in areas near Casey's June beetle.
- Drone applications – The District is starting these in late 2022. The drone applications will be along the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.
- Future work – The District is exploring using sterile mosquitoes. Male invasive *Aedes* mosquitoes would be released, mate with wild invasive *Aedes* female mosquitoes, and any eggs laid would not be viable. The CVMVCD Board supports the work, and staff anticipate several years before the District would be ready to implement.

Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). CVMVCD is currently preparing a Supplemental Mitigated Negative Declaration to evaluate the proposed changes to the CVMVCD IVMP's potential environmental impacts.

As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC Section 21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Ms. Jennifer Henke, Laboratory Manager at (760) 393-8029 or by email at: JHenke@cvmosquito.org.

Regards,

Jeremy Wittie
General Manager



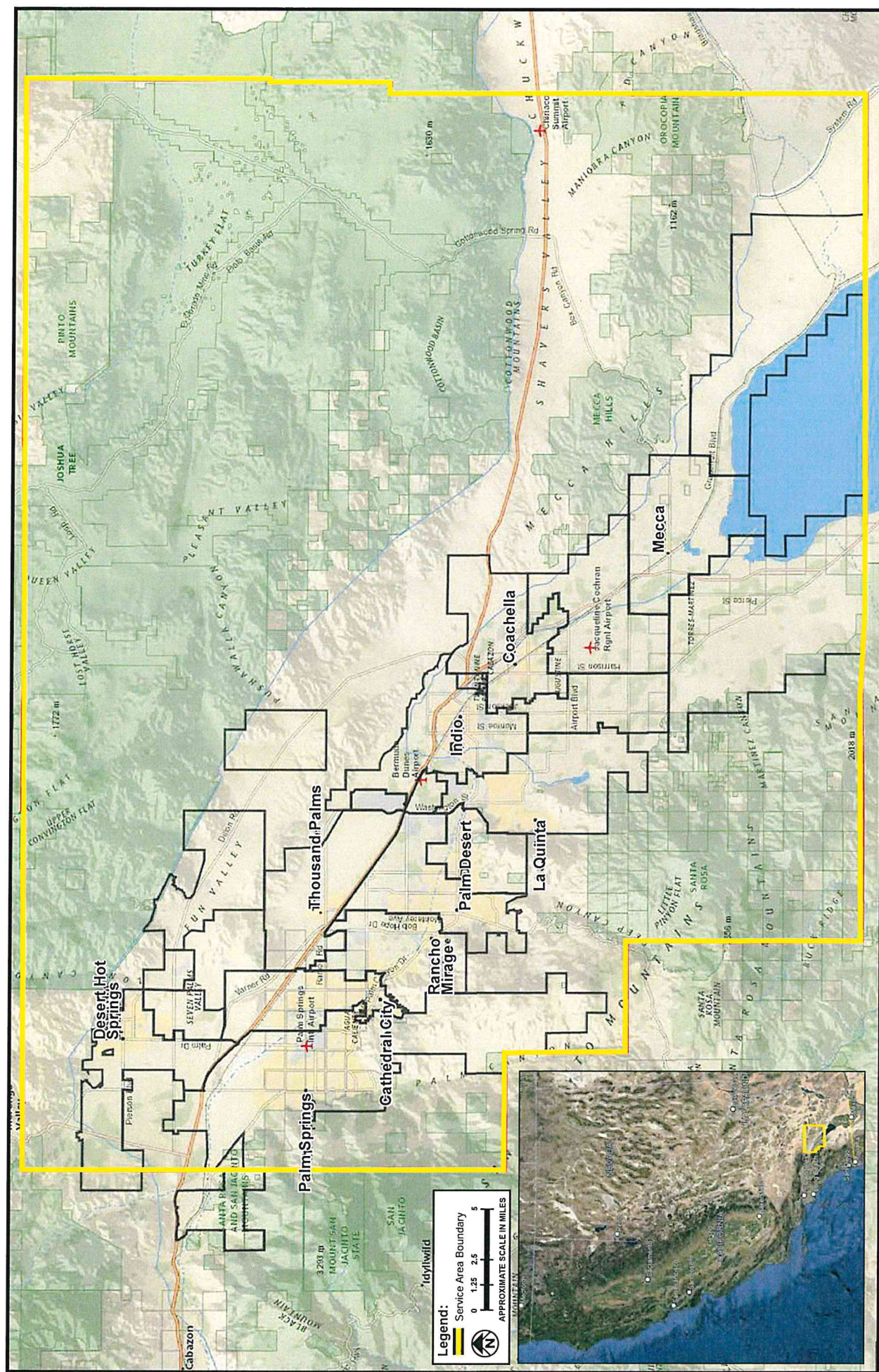


FIGURE 1

CVMVCD Boundary and Service Area



Coachella Valley Mosquito & Vector Control District

📍 43-420 Trader Place, Indio, CA 92201 📞 (760) 342-8287 📠 (760) 342-8110
🌐 www.cvmosquito.org ✉ CVmosquito@cvmosquito.org 📱 @cvmosquito

May 16, 2022

Doug Welmas, Tribal Chairman
Cabazon Band of Mission Indians
84-245 Indio Springs Parkway
Indio, CA 92203

SUBJECT: AB 52 Notification for the CVMVCD Integrated Vector Control Program
Supplemental Mitigated Negative Declaration
Pursuant to Public Resources Code Section 21080.3.1

PROJECT: CVMVCD Integrated Vector Management Program (IVMP) – Proposed Program Changes

Dear Mr. Welmas,

The Coachella Valley Mosquito and Vector Control District (CVMVCD) has proposed changes to its current Integrated Vector Management Program (IVMP) (Project) and is providing written notice to the Cabazon Band of Mission Indian Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The District's mission is to protect the public health by using scientifically-driven Integrated Vector Management Program (IVMP). The IVMP is a rational decision-making process which seeks to improve the efficacy, cost-effectiveness, ecological soundness and sustainability of disease-vector control. Besides being nuisances by disrupting human activities and the use and enjoyment of public and private areas, certain animals may transmit a number of diseases. The ultimate goal of the IVMP is to prevent the transmission of vector-borne diseases.

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Letter To: Doug Welmas, Tribal Chairman, Cabazon Band of Mission Indians
Re: AB 52 Notification – CVMVCD IVMP Supplemental MND
May 16, 2022
Page 2 of 2

Project Description: The proposed Project would involve changes to the District's existing IVMP implemented in 2011. The Supplemental MND will consider current and future programmatic changes to District's IVMP. Potential changes to the IVCP include:

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As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC Section 21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Ms. Jennifer Henke, Laboratory Manager at (760) 393-8029 or by email at: JHenke@cvmosquito.org.

Regards,

Jeremy Wittie
General Manager



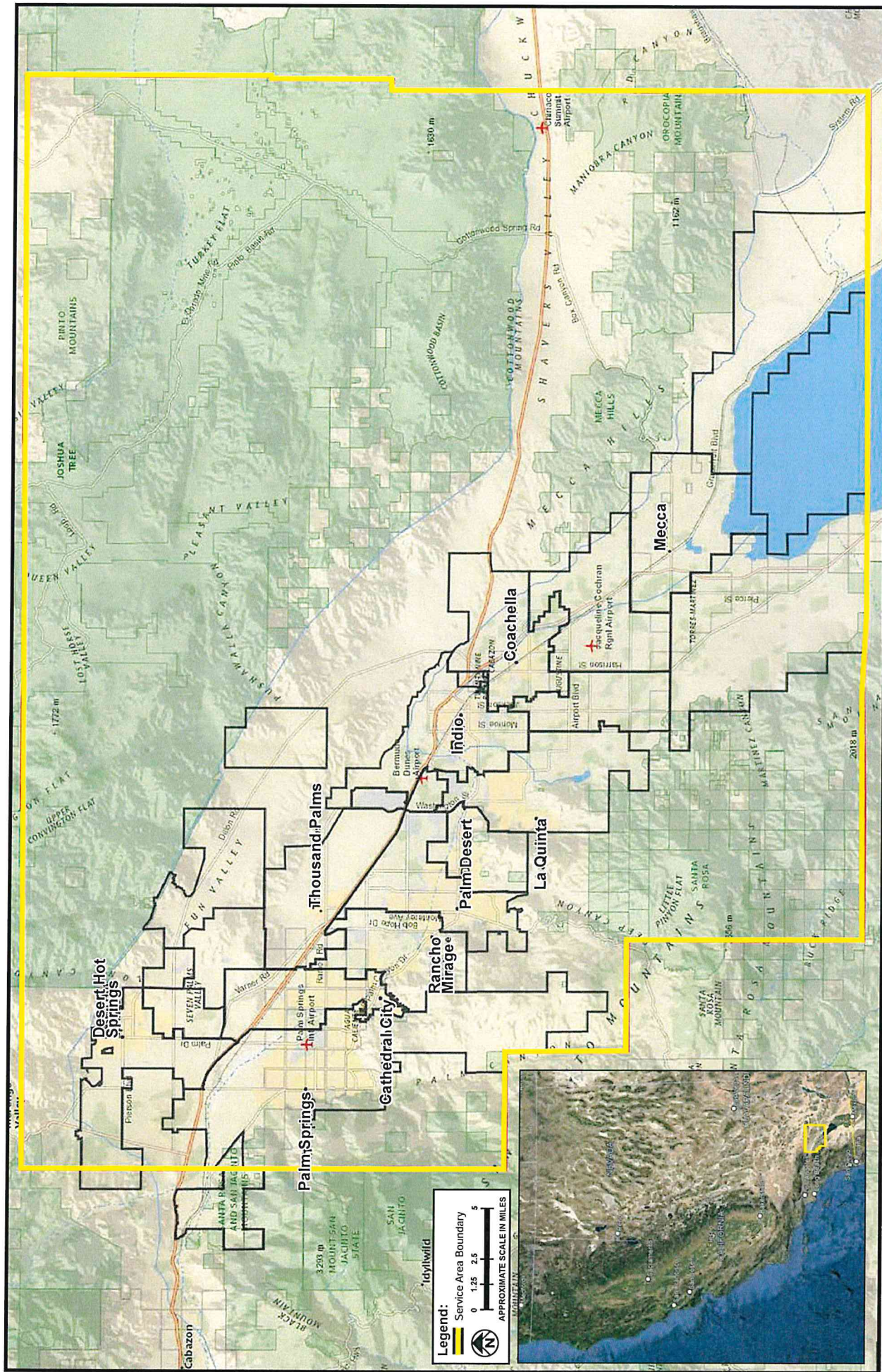


FIGURE 1

CVMVCD Boundary and Service Area



Coachella Valley Mosquito & Vector Control District

43-420 Trader Place, Indio, CA 92201 (760) 342-8287 (760) 342-8110
www.cvmosquito.org CVmosquito@cvmosquito.org @cvmosquito

May 16, 2022

Thomas Tortez, Jr., Tribal Chairman
Torres-Martinez Desert Cahuilla Indians
6725 Martinez Rd.
Thermal, CA 92274

SUBJECT: AB 52 Notification for the CVMVCD Integrated Vector Control Program
Supplemental Mitigated Negative Declaration
Pursuant to Public Resources Code Section 21080.3.1

PROJECT: CVMVCD Integrated Vector Management Program (IVMP) – Proposed Program Changes

Dear Mr. Tortez, Jr.,

The Coachella Valley Mosquito and Vector Control District (CVMVCD) has proposed changes to its current Integrated Vector Management Program (IVMP) (Project) and is providing written notice to the Torres-Martinez Desert Cahuilla Indian Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The District's mission is to protect the public health by using scientifically-driven Integrated Vector Management Program (IVMP). The IVMP is a rational decision-making process which seeks to improve the efficacy, cost-effectiveness, ecological soundness and sustainability of disease-vector control. Besides being nuisances by disrupting human activities and the use and enjoyment of public and private areas, certain animals may transmit a number of diseases. The ultimate goal of the IVMP is to prevent the transmission of vector-borne diseases.

Components of IVMP include: Surveillance and Quality Control, Physical Control, Biological Control, Microbial & Chemical Control and Public Outreach.

Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC Section 21080.3.1 (d).

Project Location: As shown in **Figure 1: Project Location Map**, the proposed Project is located in the greater Coachella Valley portion of Riverside County. The CVMVCD service area includes a 2,400 square mile jurisdiction contained within Riverside County including Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, Rancho Mirage, and unincorporated sections of Riverside County.

Letter To: Thomas Torte, Jr., Tribal Chairman, Torres-Martinez Desert Cahuilla Indians
Re: AB 52 Notification – CVMVCD IVMP Supplemental MND
May 16, 2022
Page 2 of 2

Project Description: The proposed Project would involve changes to the District's existing IVMP implemented in 2011. The Supplemental MND will consider current and future programmatic changes to District's IVMP. Potential changes to the IVCP include:

- Plans to use malathion (an organophosphate adult pesticide) in instances of high risk for virus transmission. Potential use of new product registration that that could be available in the next 5 years. Currently the District uses pyrethrins and pyrethroids for adult mosquito pesticides in response to very high adult mosquito traps and in response to high risk of virus transmission. Monitoring activities for efficacy of these products indicates that some mosquitoes are resistant to the pesticides.
- The 2011 IVMP plan indicates that the District makes few treatments by helicopter. Currently, the District routinely makes on average 20 treatments in the rural area of pesticides to control mosquito larvae or adults each year. Not all of these are during daylight hours (as stated in the prior 2011 MND). A more significant change is making 6 to 10 applications by helicopter over cities. This is done with permits from the FAA and monitored by Riverside County Department of Agriculture. As a result of increased helicopter flights, the following concerns have been expressed by the public:
 - Changes to noise levels from helicopter over flights, and
 - Applications are primarily of Bti (larvicide) for mosquito larvae. This product is the preferred one by USFW when in areas near Casey's June beetle.
- Drone applications – The District is starting these in late 2022. The drone applications will be along the Salton Sea shoreline area as potential replacements for ATV/UTV treatments and helicopter treatments.
- Future work – The District is exploring using sterile mosquitoes. Male invasive *Aedes* mosquitoes would be released, mate with wild invasive *Aedes* female mosquitoes, and any eggs laid would not be viable. The CVMVCD Board supports the work, and staff anticipate several years before the District would be ready to implement.

Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). CVMVCD is currently preparing a Supplemental Mitigated Negative Declaration to evaluate the proposed changes to the CVMVCD IVMP's potential environmental impacts.

As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC Section 21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

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Regards,


Jeremy Wittie
General Manager

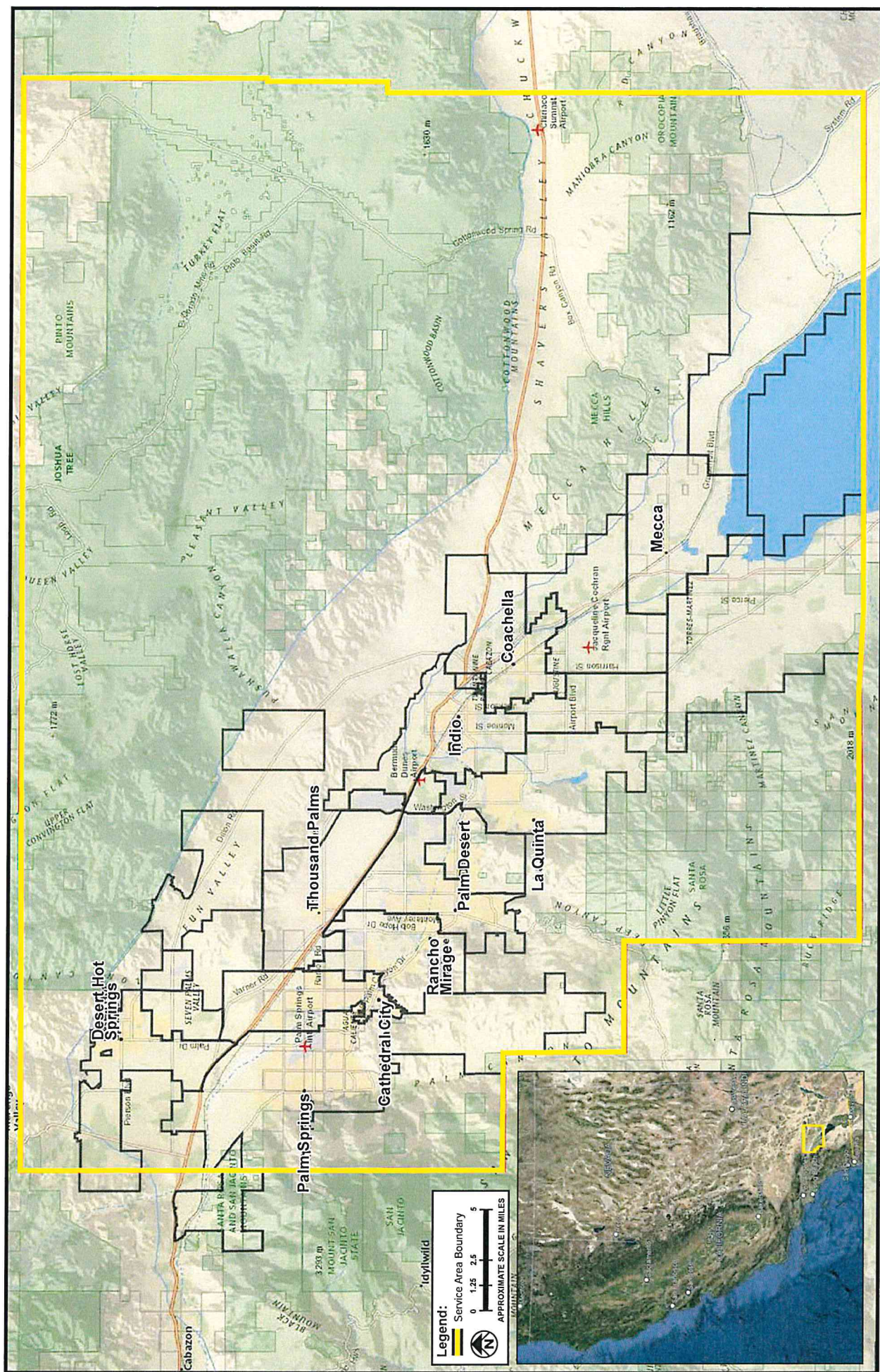


FIGURE 1

CVMVCD Boundary and Service Area

SOURCE: Coachella Valley District Boundary Map - 2022; Google Earth - 2022



Coachella Valley Mosquito & Vector Control District

📍 43-420 Trader Place, Indio, CA 92201 📞 (760) 342-8287 📠 (760) 342-8110
🌐 www.cvmosquito.org ✉ CVmosquito@cvmosquito.org 📱 @cvmosquito

May 16, 2022

Darrell Mike, Chairman
Twenty-nine Palms Band of Missions Indians
46-200 Harrison Place
Coachella CA 92236

SUBJECT: AB 52 Notification for the CVMVCD Integrated Vector Control Program
Supplemental Mitigated Negative Declaration
Pursuant to Public Resources Code Section 21080.3.1

PROJECT: CVMVCD Integrated Vector Management Program (IVMP) – Proposed Program Changes

Dear Mr. Mike,

The Coachella Valley Mosquito and Vector Control District (CVMVCD) has proposed changes to its current Integrated Vector Management Program (IVMP) (Project) and is providing written notice to the Twenty-nine Palms Band of Missions Indian Tribe in response to the Tribe's request for the notification of projects proposed within the District.

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Letter To: Darrell Mike, Chairman, Twenty-nine Palms Band of Missions Indians
Re: AB 52 Notification – CVMVCD IVMP Supplemental MND
May 16, 2022
Page 2 of 2

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Regards,


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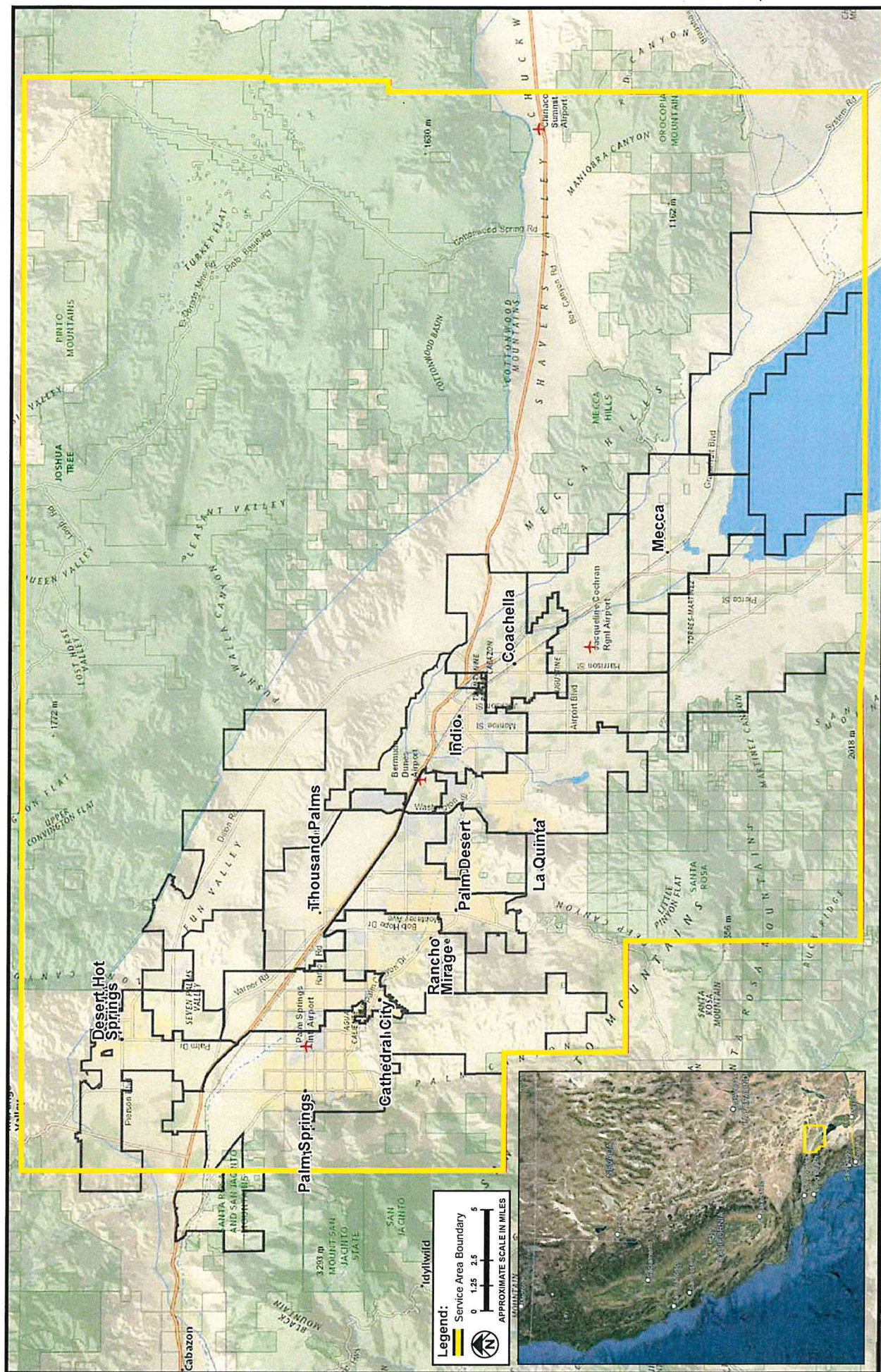


FIGURE 1

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