

# DRAFT

10 October 2011

Paul Edelman  
Mountains Recreation & Conservation Authority  
5810 Ramirez Canyon Road  
Malibu, California 90265

**RE: ABBREVIATED BIOLOGICAL ASSESSMENT FOR AN APPROXIMATE 80 ACRE PROPERTY LOCATED ON THE NORTHEAST CORNER OF PALMDALE BOULEVARD AND 230TH STREET EAST IN AN UNINCORPORATED PORTION OF THE COUNTY OF LOS ANGELES, CALIFORNIA (ASSESSOR'S PARCEL NOS. 3091-018-900 AND -901)**

Dear Mr. Edelman:

This letter constitutes our abbreviated biological assessment summarizing the results of a floral and faunal survey conducted by TERACOR Resource Management (TERACOR) and Michael Long.

## Purpose

The purpose of this biological investigation is to assess the biological resources present on-site as well as provide a range of those resources potentially present within the project area. This assessment also inventories those resources which could potentially be impacted by the proposed project.

## Project Description and Implementation

The proposed project (details to be provided by the Mountains Recreation & Conservation Authority) consists of the construction of a photovoltaic farm.

The project would be implemented with minimal topographic alteration. Standard techniques, including site clearance, grading, recompacting, trenching, and other project construction techniques would be utilized. Typical equipment such as bulldozers, backhoes, tractor-trailer trucks, welding and fabricating equipment would be used. Most of the site vegetation and substrates would be substantially altered or permanently removed with project implementation.

## Property Location

The property is generally located within an unincorporated portion of Los Angeles County, California. The property is specifically located on the northeast corner of Palmdale Blvd. and 230th St. East. The site is geographically located in the northwest corner of Section 27 of Township 6 North, Range 9 West, of the *El Mirage, California 7.5 Minute Series USGS Topographic Quadrangle*. *Exhibit 1 - USGS Topographic Map*, attached, depicts the geographic location of the site, topography of the site, and the topography of the surrounding area.

## Description of the Property

The topography of the project site is gently sloping from southeast to northwest. Elevations on-site range from approximately 2,890 feet above mean sea level (msl) at the northwest corner of the property to approximately 2,920 feet above msl at the southeast corner of the property. The project site is relatively undisturbed and the majority of the vegetation is intact. Site conditions are shown in the attached *Exhibit 2 - Site Resource Photographs*.

## Vascular Vegetation and Vegetation Community Occurrences

Literature reviewed from which plant names and identifications, vegetation communities and associations, and relevant descriptions were derived include: *The Jepson Manual, Higher Plants of California* (Hickman 1993), *The Jepson Desert Manual, Vascular Plants of Southeastern California* (Baldwin et al. 2002), the California Department of Fish and Game ("CDFG") *List of California Natural Communities* (September 2010), *A Manual of California Vegetation, Second Edition* (Sawyer, Keeler-Wolf and Evens 2009), *California Desert Flowers, An Introduction To Families, Genera, and Species* (Morhardt and Morhardt 2004) and *100 Desert Wildflowers in Natural Color* (Dodge 1963). A complete floral inventory of species observed within the subject property has been provided as *Appendix A - Floral Compendium*.

## Survey Methodology

Fieldwork was conducted on foot by all site investigators (S. Reed, Principal Biologist and J. Reed, Senior Associate Biologist, TERACOR and Michael Long, Biologist) throughout the entire property. Biological investigations were conducted on 13 April and 16 May 2011 and included a thorough botanical survey conducted in accordance with the CDFG *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities*, dated 24 November 2009. Plants listed in *Appendix A* were identified in the field by site investigators, with uncertain identifications confirmed by Michael Long. Reptile and amphibian species in *Appendix B - Faunal Compendium* were noted and evaluated by turning debris, and scanning sunning and foraging areas. Nomenclature follows Stebbins (2003), and was updated in accordance with *The Center for North American Herpetology* website. Bird species in *Appendix B* were identified by field personnel both aurally and visually, with nomenclature following Dunn (1999), Sibley (2003), and updated utilizing the American Ornithologists Union most recent checklist. Mammals were identified by sight or sign.

With regard to determining the presence of some organisms, this assessment is, in part, habitat-based and predictive. The evaluation for presence for regulatory status organisms (for example, considered rare or given regulatory status by the U.S. Fish and Wildlife Service, CDFG, California Native Plant Society, the County of Los Angeles, or the California Natural Diversity Data Base ["CNDDB"]) included such variables as availability of support resources (such as rock outcrops, surface water, specific host plants, nesting sites, etc.), the location and size of the subject property, and the history of disturbance. The likelihood of potential occurrences is further predicated on the known distributions of species, and their overall habitat requirements and preferences.

Vegetation communities determined to be present on-site were mapped on site specific aerial photography and were digitized in GIS format.

## CNDDDB Query

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The State of California maintains the CNDDDB, which is a computerized inventory of information on the location of California's rare, threatened, endangered, and otherwise sensitive plants, animals, and natural communities. Updates to the CNDDDB are issued every two (2) months. Valuable information regarding the species occurrence, population numbers, observers, occurrence dates and potential threats to the organism(s) are included for each occurrence record. TERACOR queried the *El Mirage, California Quadrangle* and surrounding quadrangles specifically for regulatory status species, and the results of that query are presented below.

## Results

### Vegetation

The subject property was supports three (3) primary vegetation community alliance types: Creosote bush scrub (California Natural Community Code [CaCode] 33.010.00), Allscale scrub (CaCode 36.340.00) and Wildflower Field/Indian rice grass grassland (No corresponding CaCode). (Community designations not considered final and are pending.) These three (3) primary vegetation communities are depicted in the attached *Exhibit 3 - Vegetation Community Map*.

The Creosote bush scrub alliance was specifically comprised of the creosote bush (*Larrea tridentata*) - allscale (*Atriplex polycarpa*) association (CaCode 33.010.12). This community comprises 62.69 acres and was the dominant community on-site.

The Allscale Scrub alliance was dominated by the allscale association (CaCode 36.340.04). This community comprises 8.83 acres on-site and was largely limited to the northeastern portion of the property.

The Wildflower Field/Indian rice grass grassland alliance is a combination of native wildflowers, including California goldfields (*Lasthenia californica*) and Bigelow's tickseed (*Coreopsis bigelovii*) and Indian rice grass (*Achnatherum hymenoides*). This community comprises 5.18 acres and is limited to the northern central portion of the property. The "wildflower field" category, which was previously considered rare, is not officially recognized as an alliance in the current CDFG *List of California Natural Communities*. This community could, however, conceivably be functionally analogous to the California goldfields association (CaCode 44.109.03), which is not considered to be rare in the current list. Indian rice grass grassland (CaCode 41.120.00), however, is considered rare in the current list.

A complete list of plant species detected within the project area is displayed in the previously referenced *Appendix A – Floral Compendium*.

### Fauna

Avian, mammal and reptile species were detected during the biological investigation. Avian species detected included Sage Sparrow (*Amphispiza belli*), Horned Lark (*Eremophila alpestris*), and Common Raven (*Corvus corax*). Mammal species detected included black-tailed jackrabbit (*Lepus californicus*). Reptile species detected included California Side-blotched Lizard (*Uta stansburiana elegans*).

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A complete list of faunal species detected and which are expected to occur within the general area is provided in *Appendix B - Faunal Compendium*.

## CNDDDB Query Results

write up pending - only 2 occurrences on Query (see *Exhibit 4 - CNDDDB Occurrences*)

## Findings and Conclusions

### Sensitive Animals

No suitable desert tortoise burrows were observed. In addition, no sign was detected at any point during surveys. Further, no desert tortoises were encountered during field surveys. The property, therefore, is not likely to be considered suitable for desert tortoise due to area conditions and the disturbed condition of the site. The site is surrounded by existing residential development and desert tortoises are unlikely to migrate onto the site (this determination not final and is pending).

Other animals - pending

### Sensitive Plants

pending

### Sensitive Plant Communities

pending

If you have any questions regarding the foregoing, please do not hesitate to contact us at [sam@teracor.net](mailto:sam@teracor.net) or call at 951 694 8000.

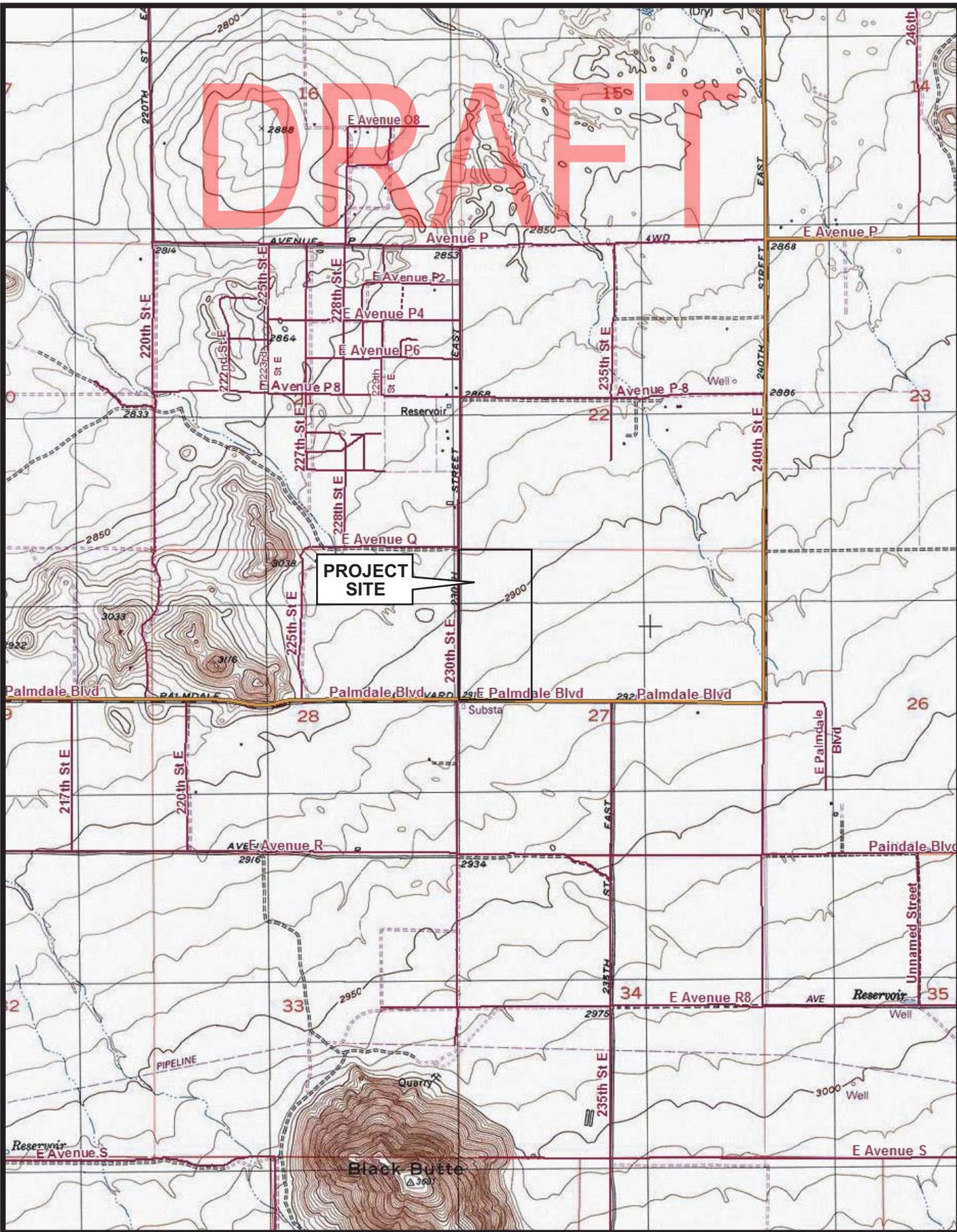
Respectfully,

TERACOR Resource Management

Samuel Reed  
Principal

Attachments: *Exhibit 1 - USGS Topographic Map*  
*Exhibit 2 - Site Resource Photographs*  
*Exhibit 3 - Vegetation Community Map*  
*Exhibit 4 - CNDDDB Occurrences*  
*Appendix A - Floral Compendium*  
*Appendix B - Faunal Compendium*

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PROJECT SITE



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**Photo 1** - This southeasterly view depicts field personnel investigating biological resources in the northeastern portion of the project site. Vegetation communities shown in this photograph includes Allscale scrub with allscale as a dominant species (foreground), and Creosote bush scrub (background).



**Photo 2** - This western view depicts allscale and bristly fiddleneck late in the flowering season, located in the western portion of the project site. 230th St. East is shown in the background.



**Photo 3** - This southern view depicts the wildflower field/Indian rice grass grassland community in the northern portion of the site. Dominant species shown include California goldfields, Bigelow's tickseed, and Indian rice grass.



**Photo 4** - Several shallow depressions, such as the one shown in this photograph, were detected throughout the property. These shallow depressions can sometimes be indicative of slow or impeded drainage, and showed evidence of ponding during recent rains/snows.

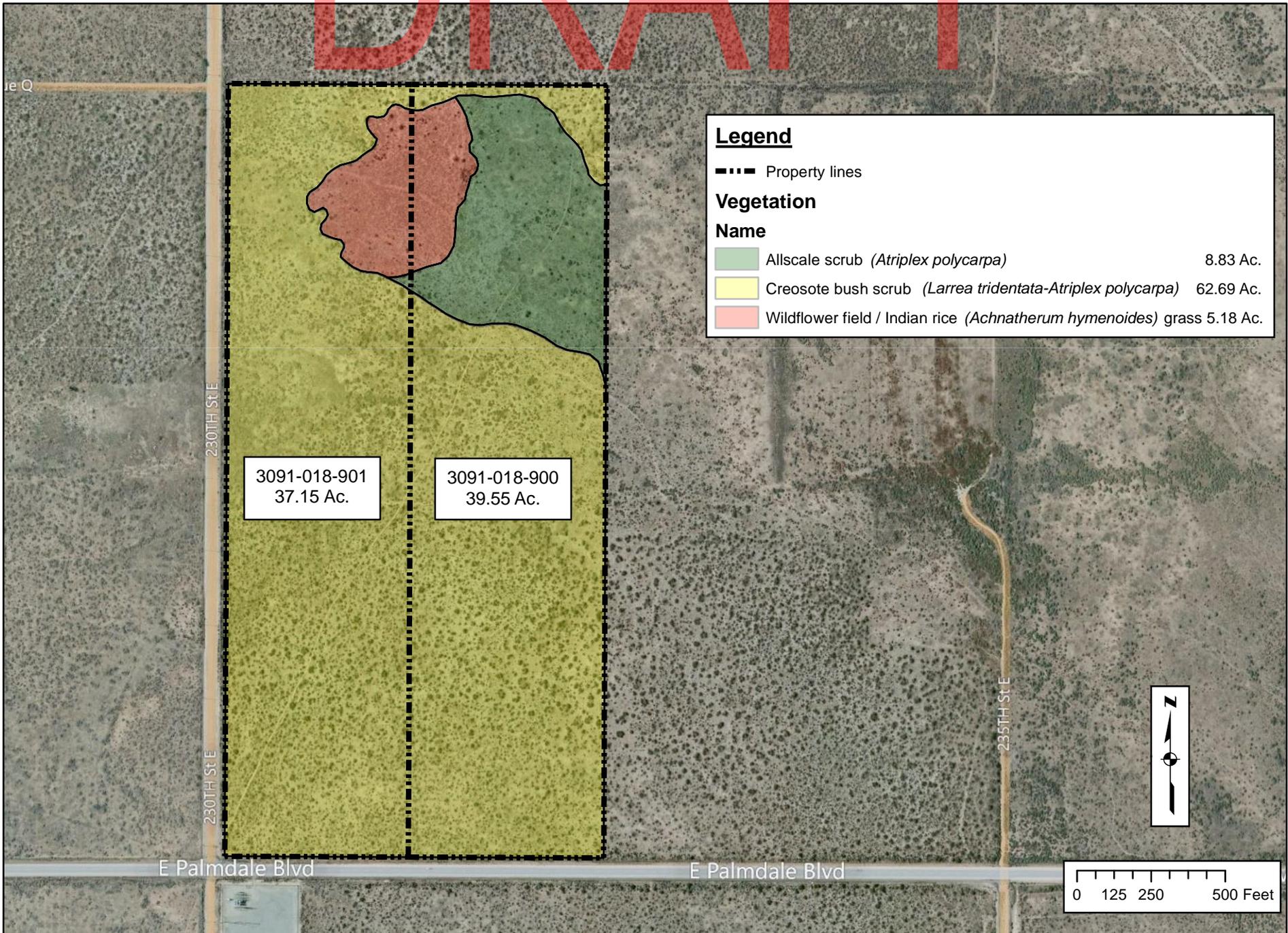


**Photo 5** - Field personnel is shown inspecting a rayless goldenhead (*Acamptopappus sphaerocephalus*) shrub found within the creosote bush scrub vegetation community on-site.

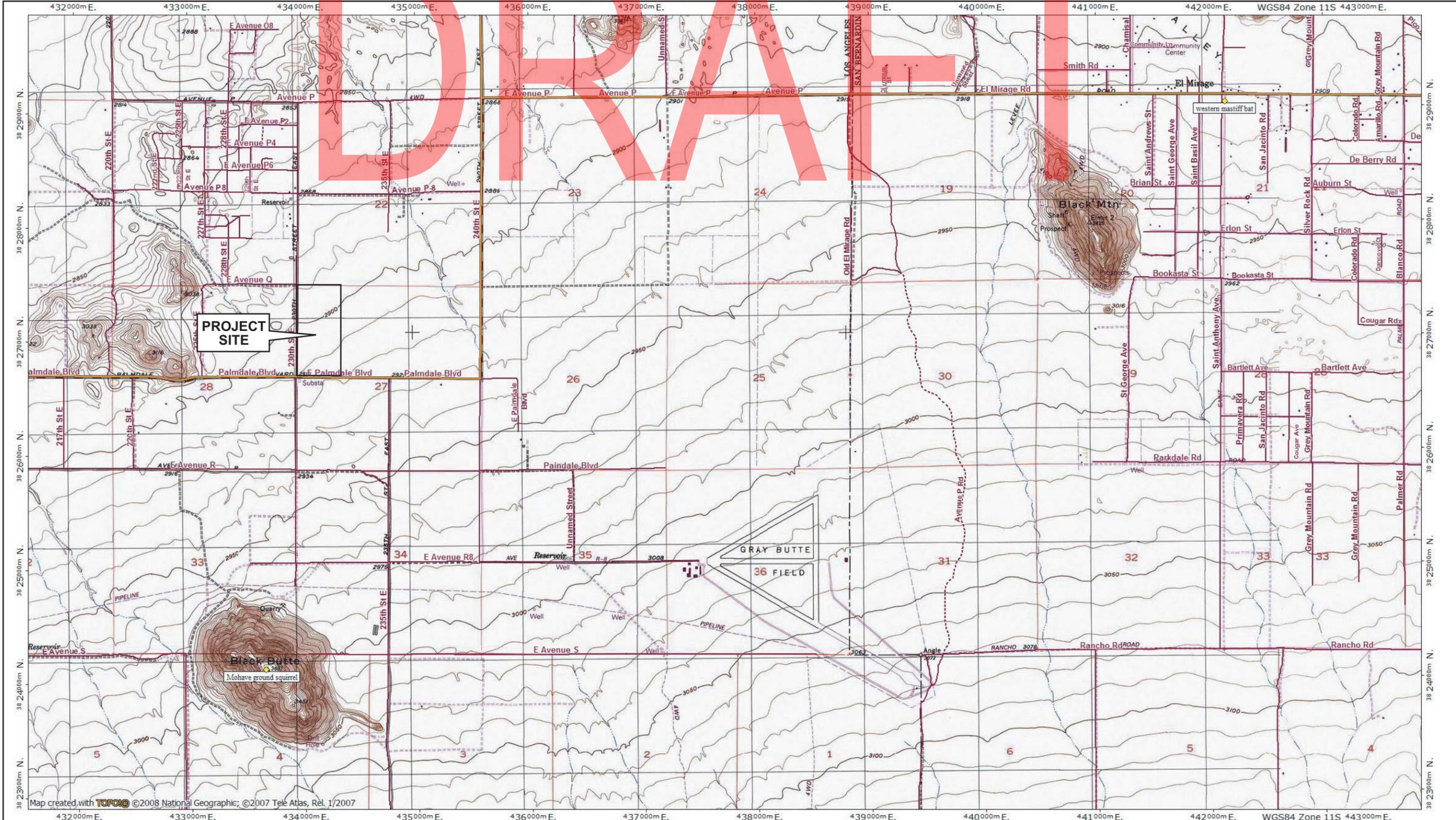


**Photo 6** - This northern view of the property depicts the creosote bush - allscale association in the western portion of the property. The herbaceous understory is dominated by bristly fiddleneck.

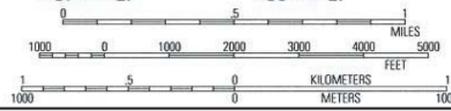
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Map created with TOPOIC ©2008 National Geographic; ©2007 Tele Atlas, Rel. 1/2007



TN MN 12 1/2° 10/07/11

MRCA PALMDALE 80 ACRES REPORT DATE: OCTOBER 2011



Exhibit 4 CNDDB Occurrences

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Scientific Name	Common Name	Species Status On Property
<b>Agavaceae</b>		
<b>Agave Family</b>		
<i>Yucca brevifolia</i>	Joshua tree	Common
<b>Asteraceae</b>		
<b>Sunflower Family</b>		
<i>Acamptopappus sphaerocephalus</i>	rayless goldenhead	Uncommon
<i>Coreopsis bigelovii</i>	Bigelow's tickseed	Common
<i>Chaenactis fremontii</i>	Fremont pincushion	Common
<i>Lasthenia californica</i>	California goldfields	Common
<i>Layia glandulosa</i>	white layia	Rare
<i>Malacothrix coulteri</i>	snake's head	Rare
<i>Malacothrix glabrata</i>	desert dandelion	Rare
<i>Stephanomeria</i> sp.	wire lettuce	Uncommon
<b>Boraginaceae</b>		
<b>Borage Family</b>		
<i>Amsinckia tessellata</i>	bristly fiddleneck	Abundant
<i>Pectocarya linearis</i>	sagebrush combseed	Uncommon
<i>Phacelia distans</i>	distant phacelia	Uncommon
<b>Brassicaceae</b>		
<b>Mustard Family</b>		
<i>Descurainia pinnata</i>	tansy mustard	Common
<i>Guillenia lasiophylla</i>	California mustard	Rare
<i>Lepidium flavum</i>	yellow peppergrass	Common
<i>Sisymbrium altissimum</i> *	tumble mustard	Rare
<b>Chenopodiaceae</b>		
<b>Goosefoot Family</b>		
<i>Atriplex canescens</i>	fourwing saltbush	Rare
<i>Atriplex polycarpa</i>	allscale	Common
<i>Krascheninnikovia lanata</i>	winter fat	Uncommon
<i>Salsola tragus</i> *	Russian thistle	Uncommon
<b>Euphorbiaceae</b>		
<b>Spurge Family</b>		
<i>Chamaesyce albomarginata</i>	rattlesnake weed	Common
<i>Croton californicus</i>	California croton	Common
<b>Fabaceae</b>		
<b>Legume Family</b>		
<i>Astragalus acutirostris</i>	beaked rattle weed	Rare
<i>Astragalus lentiginosus</i> var. <i>variabilis</i>	freckled milkvetch	Uncommon
<i>Lupinus odoratus</i>	Mojave lupine	Rare

Scientific Name	Common Name	Species Status On Property
<b>Geraniaceae</b>	<b>Geranium Family</b>	
<i>Erodium cicutarium</i> *	redstem filaree	Abundant
<b>Loasaceae</b>	<b>Loasa Family</b>	
<i>Mentzelia affinis</i>	yellow blazing star	Rare
<b>Malvaceae</b>	<b>Mallow Family</b>	
<i>Eremalche exilis</i>	white eremalche	Uncommon
<b>Montiaceae</b>	<b>Montia Family</b>	
<i>Calyptidium monandrum</i>	sandcress pussypaws	Uncommon
<b>Onagraceae</b>	<b>Evening Primrose Family</b>	
<i>Camissonia claviformis</i>	brown-eyed evening primrose	Rare
<i>Camissonia pallida</i>	pale primrose	Uncommon
<i>Oenothera deltoides</i>	basket evening primrose	Uncommon
<b>Poaceae</b>	<b>Grass Family</b>	
<i>Achnatherum hymenoides</i>	Indian rice grass	Uncommon
<i>Bromus madritensis rubens</i> *	red brome	Common
<i>Bromus tectorum</i> *	cheat grass	Common
<i>Hordeum murinum</i> *	mouse barley	Rare
<i>Poa secunda</i>	secund bluegrass	Uncommon
<i>Schismus barbatus</i> *	Mediterranean schismus	Abundant
<i>Vulpia octoflora</i>	eight-flowered fescue	Rare
<b>Polemoniaceae</b>	<b>Phlox Family</b>	
<i>Eriastrum sapphirinum</i>	sapphire woolly star	Common
<i>Gilia prob. latiflora ssp. davyi</i>	Davy's broad-flowered gilia	Uncommon
<i>Loeseliastrum matthewsii</i>	desert calico	Uncommon
<b>Polygonaceae</b>	<b>Buckwheat Family</b>	
<i>Eriogonum gracillimum</i>	slender buckwheat	Uncommon
<b>Solanaceae</b>	<b>Nightshade Family</b>	
<i>Lycium andersonii</i>	Anderson box thorn	Rare
<i>Lycium cooperi</i>	Cooper's box thorn	Rare
<b>Zygophyllaceae</b>	<b>Caltrop Family</b>	
<i>Larrea tridentata</i>	creosote bush	Common/Abundant

- Denotes species observed.

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SCIENTIFIC NAME	COMMON NAME
<b>Accipitridae</b>	<b>Hawks, Eagles, Kites</b>
<i>Accipiter cooperii</i>	Cooper's Hawk
<i>Accipiter striatus</i>	Sharp-shinned Hawk
<i>Aquila chrysaetos</i>	Golden Eagle
<i>Buteo jamaicensis</i>	Red-tailed Hawk
<i>Buteo regalis</i>	Ferruginous Hawk
<i>Buteo lagopus</i>	Rough-legged Hawk
<i>Buteo swainsoni</i>	Swainson's Hawk
<b>Aegithalidae</b>	<b>Bushtits</b>
<i>Psaltriparus minimus</i>	Bushtit
<b>Alaudidae</b>	<b>Larks</b>
<i>Eremophila alpestris</i> ●	Horned Lark
<b>Apodidae</b>	<b>Swifts</b>
<i>Aeronautes saxatalis</i>	White-throated Swift
<i>Chaetura vauxi</i>	Vaux's Swift
<b>Bombycillidae</b>	<b>Waxwings</b>
<i>Bombycilla cedrorum</i>	Cedar Waxwing
<b>Caprimulgidae</b>	<b>Nightjars, Goatsuckers</b>
<i>Chordeiles acutipennis</i>	Lesser Nighthawk
<i>Phalaenoptilus nuttallii</i>	Common Poorwill
<b>Cardinalidae</b>	<b>Cardinals</b>
<i>Passerina amoena</i>	Lazuli Bunting
<i>Pheucticus melanocephalus</i>	Black-headed Grosbeak
<b>Cathartidae</b>	<b>American Vultures</b>
<i>Cathartes aura</i>	turkey vulture
<b>Columbidae</b>	<b>Pigeons, Doves</b>
<i>Columba livia</i> *	Rock Pigeon
<i>Zenaida macroura</i>	Mourning Dove
<b>Corvidae</b>	<b>Crows, Jays</b>
<i>Aphelocoma californica</i>	Western Scrub-Jay
<i>Corvus corax</i> ●	Common Raven
<b>Cuculidae</b>	<b>Cuckoos, Roadrunners, Anis</b>

SCIENTIFIC NAME	COMMON NAME
<i>Geococcyx californianus</i>	Greater Roadrunner
<b>Emberizidae</b>	<b>Emberizids</b>
<i>Amphispiza belli</i> ●	Sage Sparrow
<i>Amphispiza bilineata</i>	Black-throated Sparrow
<i>Chondestes grammacus</i>	Lark Sparrow
<i>Junco hyemalis</i>	Dark-eyed Junco
<i>Passerculus sandwichensis</i>	Savannah Sparrow
<i>Spizella breweri</i>	Brewer's Sparrow
<i>Spizella passerina</i>	Chipping Sparrow
<i>Zonotrichia atricapilla</i>	Golden-crowned Sparrow
<i>Zonotrichia leucophrys</i> ●	White-crowned Sparrow
<b>Falconidae</b>	<b>Falcons</b>
<i>Falco mexicanus</i>	Prairie Falcon
<i>Falco sparverius</i>	American kestrel
<b>Fringillidae</b>	<b>Finches</b>
<i>Carduelis lawrencei</i>	Lawrence's Goldfinch
<i>Carduelis psaltria</i>	Lesser Goldfinch
<i>Carduelis tristis</i>	American Goldfinch
<i>Carpodacus mexicanus</i> ●	House Finch
<b>Hirundinidae</b>	<b>Swallows</b>
<i>Hirundo rustica</i> ●	Barn Swallow
<i>Petrochelidon pyrrhonota</i>	Cliff Swallow
<i>Progne subis</i>	Purple Martin
<i>Stelgidopteryx serripennis</i> ●	Northern Rough-winged Swallow
<i>Tachycineta bicolor</i>	Tree Swallow
<i>Tachycineta thalassina</i>	Violet-green Swallow
<b>Icteridae</b>	<b>Blackbirds</b>
<i>Icterus bullockii</i>	Bullock's Oriole
<i>Icterus cucullatus</i>	Hooded Oriole
<i>Icterus parisorum</i>	Scott's Oriole
<i>Sturnella neglecta</i> ●	Western Meadowlark
<b>Laniidae</b>	<b>Shrikes</b>
<i>Lanius ludovicianus</i>	Loggerhead Shrike
<b>Mimidae</b>	<b>Mockingbirds, Thrashers</b>
<i>Mimus polyglottos</i>	Northern Mockingbird
<i>Toxostoma lecontei</i>	Le Conte's Thrasher

SCIENTIFIC NAME	COMMON NAME
<b>Motacillidae</b>	<b>Wagtails, Pipits</b>
<i>Anthus rubescens</i>	American Pipit
<b>Odontophoridae</b>	<b>New World Quail</b>
<i>Callipepla californicus</i> ●	California Quail
<b>Parulidae</b>	<b>Wood Warblers</b>
<i>Dendroica coronata</i>	Yellow-rumped Warbler
<i>Dendroica occidentalis</i>	Hermit Warbler
<i>Dendroica petechia</i>	Yellow Warbler
<i>Dendroica townsendi</i>	Townsend's Warbler
<i>Dendroica virens</i>	Black-throated Gray Warbler
<i>Oporornis tolmiei</i>	MacGillivray's Warbler
<i>Vermivora celata</i>	Orange-crowned Warbler
<i>Vermivora ruficapilla</i>	Nashville Warbler
<i>Wilsonia pusilla</i>	Wilson's Warbler
<b>Picidae</b>	<b>Woodpeckers</b>
<i>Colaptes auratus</i>	Northern Flicker
<i>Picoides scalaris</i>	Ladder-backed Woodpecker
<i>Sphyrapicus ruber</i>	Red-breasted Sapsucker
<b>Ptilonotidae</b>	<b>Silky Flycatchers</b>
<i>Phainopepla nitens</i>	Phainopepla
<b>Remizidae</b>	<b>Verdins</b>
<i>Auriparus flaviceps</i>	Verdin
<b>Regulidae</b>	<b>Kinglets</b>
<i>Regulus calendula</i>	Ruby-crowned Kinglet
<b>Strigidae</b>	<b>Typical Owls</b>
<i>Athene cunicularia</i>	Burrowing Owl
<i>Bubo virginianus</i>	Great Horned Owl
<i>Otus kennicottii</i>	Western Screech Owl
<b>Sturnidae</b>	<b>Starlings</b>
<i>Sturnus vulgaris</i> *	European starling
<b>Sylviidae</b>	<b>Gnatcatchers</b>
<i>Poliophtila caerulea</i>	Blue-gray Gnatcatcher
<b>Thraupidae</b>	<b>Tanagers</b>
<i>Piranga ludoviciana</i>	Western Tanager

SCIENTIFIC NAME	COMMON NAME
<b>Trochilidae</b>	<b>Hummingbirds</b>
<i>Archilochus alexandri</i>	Black-chinned Hummingbird
<i>Calypte anna</i>	Anna's hummingbird
<b>Troglodytidae</b>	<b>Wrens</b>
<i>Campylorhynchus brunneicapillus</i>	Cactus Wren
<i>Salpinctes obsoletus</i>	Rock Wren
<i>Thryomanes bewickii</i>	Bewick's Wren
<b>Turdidae</b>	<b>Thrushes</b>
<i>Catharus guttatus</i>	Hermit Thrush
<i>Catharus ustulatus</i>	Swainson's Thrush
<i>Sialia currucoides</i>	Mountain Bluebird
<i>Sialia mexicana</i>	Western Bluebird
<i>Turdus migratorius</i>	American Robin
<b>Tyrannidae</b>	<b>Tyrant Flycatchers</b>
<i>Contopus sordidulus</i>	Western Wood-Pewee
<i>Empidonax difficilis</i>	Pacific-slope Flycatcher
<i>Empidonax hammondi</i>	Hammond's Flycatcher
<i>Empidonax oberholseri</i>	Dusky Flycatcher
<i>Empidonax wrightii</i>	Gray Flycatcher
<i>Myiarchus cinerascens</i>	Ash-throated Flycatcher
<i>Sayornis nigricans</i> ●	Black Phoebe
<i>Sayornis saya</i>	Say's Phoebe
<i>Tyrannus verticalis</i>	Western Kingbird
<i>Tyrannus vociferans</i>	Cassin's Kingbird
<b>Tytonidae</b>	<b>Barn Owls</b>
<i>Tyto alba</i>	Barn Owl
<b>Vireonidae</b>	<b>Vireos</b>
<i>Vireo cassinii</i>	Cassin's Vireo
<i>Vireo gilvus</i>	Warbling Vireo

SCIENTIFIC NAME	COMMON NAME
<b>Canidae</b>	<b>Coyotes, Dogs, Foxes, Jackals, and Wolves</b>
<i>Canis latrans</i>	coyote
<b>Cervidae</b>	<b>Deer</b>
<i>Odocoileus hemionus</i>	mule deer

SCIENTIFIC NAME	COMMON NAME
<b>Felidae</b>	<b>Cats</b>
<i>Lynx rufus</i>	bobcat
<i>Puma concolor</i>	mountain lion
<b>Geomyidae</b>	<b>Pocket Gophers</b>
<i>Thomomys bottae</i>	Botta's pocket gopher
<b>Heteromyidae</b>	<b>Pocket Mice and Kangaroo Rats</b>
<i>Chaetodipus californicus</i>	California pocket mouse
<i>Chaetodipus formosus</i>	long-tailed pocket mouse
<i>Chaetodipus penicillatus</i>	desert pocket mouse
<i>Dipodomys deserti</i>	desert kangaroo rat
<i>Dipodomys merriami</i>	Merriam's kangaroo rat
<i>Dipodomys microps</i>	chisel-toothed kangaroo rat
<i>Dipodomys panamintinus</i>	panamint kangaroo rat
<i>Perognathus longimembris</i>	little picket mouse
<b>Leporidae</b>	<b>Hares and Rabbits</b>
<i>Lepus californicus</i> ●	black-tailed jackrabbit
<i>Sylvilagus audubonii</i>	desert cottontail
<b>Mephitidae</b>	<b>Skunks and Stink Badgers</b>
<i>Mephitis mephitis</i>	striped skunk
<b>Molossidae</b>	<b>Free-Tailed Bats</b>
<i>Eumops perotis</i>	western bonneted bat
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat
<i>Tadarida brasiliensis</i>	Brazilian free-tailed bat
<b>Muridae</b>	<b>Rats and Mice</b>
<i>Neotoma albigula</i>	western white-throated woodrat
<i>Neotoma lepida</i>	desert woodrat
<i>Onychomys torridus</i>	southern grasshopper mouse
<i>Peromyscus crinitus</i>	canyon mouse
<i>Peromyscus fraterculus</i>	northern Baja mouse
<i>Peromyscus maniculatus</i>	North American deer mouse
<i>Peromyscus truei</i>	piñon mouse
<i>Reithrodontomys megalotis</i>	western harvest mouse
<b>Mustelidae</b>	<b>Badgers, Otters, Weasels, and Relatives</b>
<i>Taxidea taxus</i>	American badger
<b>Phyllostomidae</b>	<b>Leaf-Nosed Bats</b>
<i>Choeronycteris mexicana</i>	Mexican long-tongued bat

SCIENTIFIC NAME	COMMON NAME
<i>Leptonycteris yerbabuenae</i>	lesser long-nosed bat
<i>Macrotus californicus</i>	California leaf-nosed bat
<b>Sciuridae</b>	<b>Squirrels and Allies</b>
<i>Ammospermophilus leucurus</i>	white-tailed antelope squirrel
<i>Spermophilus mohavensis</i>	Mohave ground squirrel
<b>Soricidae</b>	<b>Shrews</b>
<i>Notiosorex crawfordi</i>	desert shrew
<b>Vespertilionidae</b>	<b>Vesper Bats</b>
<i>Antrozous pallidus</i>	pallid bat
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat
<i>Euderma maculatum</i>	spotted bat
<i>Eptesicus fuscus</i>	big brown bat
<i>Lasiurus cinereus</i>	hoary bat
<i>Lasiurus xanthinus</i>	western yellow bat
<i>Myotis californicus</i>	California myotis
<i>Myotis ciliolabrum</i>	western small-footed myotis
<i>Myotis thysanodes</i>	fringed myotis
<i>Myotis velifer</i>	cave myotis
<i>Myotis yumanensis</i>	Yuma myotis
<i>Pipistrellus hesperus</i>	western pipistrelle

SCIENTIFIC NAME	COMMON NAME
<b>AMPHIBIANS</b>	
<b>Frogs and Toads</b>	
<b>Bufonidae</b>	<b>True Toads</b>
<i>Bufo boreas halophilus</i>	California Toad
<b>REPTILES</b>	
<b>Lizards</b>	
<b>Anniellidae</b>	<b>North American Legless Lizards</b>
<i>Anniella pulchra pulchra</i>	Silvery Legless Lizard
<b>Crotaphytidae</b>	<b>Collared and Leopard Lizards</b>
<i>Crotaphytus bicinctores</i>	Mojave Black-collared Lizard
<i>Gambelia wislizenii</i>	Longnose Leopard Lizard

SCIENTIFIC NAME	COMMON NAME
<b>Eublepharidae</b>	<b>Geckos</b>
<i>Coleonyx variegatus variegatus</i>	Desert Banded Gecko
<b>Iguanidae</b>	<b>Iguanas</b>
<i>Dipsosaurus dorsalis dorsalis</i>	Desert Iguana
<i>Sauromalus ater</i>	Chuckwalla
<b>Phrynosomatidae</b>	<b>Zebra-tailed, Fringe-toed, Spiny, Tree, Side-Blotched, and Horned Lizards</b>
<i>Callisaurus draconoides rhodostictus</i>	Mojave Zebra-tailed lizard
<i>Phrynosoma blainvillii</i>	Coast Horned Lizard
<i>Phrynosoma platyrhinos calidiarum</i>	Southern Desert Horned Lizard
<i>Sceloporus magister</i>	Desert Spiny Lizard
<i>Sceloporus occidentalis</i>	Western Fence Lizard
<i>Uta stansburiana elegans</i> ●	California Side-blotched Lizard
<b>Teiidae</b>	<b>Whiptails and Allies</b>
<i>Aspidoscelis tigris tigris</i>	Great Basin Whiptail
<b>Xantusiidae</b>	<b>Night Lizards</b>
<i>Xantusia vigilis</i>	Desert Night Lizard
<b>Snakes</b>	
<b>Boidae</b>	<b>Boas</b>
<i>Lichanura trivirgata</i>	Mexican Rosy Boa
<b>Colubridae</b>	<b>Colubrids</b>
<i>Arizona elegans eburnata</i>	Desert Glossy Snake
<i>Chionactis occipitalis occipitalis</i>	Mojave Shovel-nosed Snake
<i>Lampropeltis getula californiae</i>	California Kingsnake
<i>Masticophis flagellum piceus</i>	Red Coachwhip
<i>Phyllorhynchus decurtatus</i>	Spotted Leafnose Snake
<i>Pituophis catenifer deserticola</i>	Great Basin Gopher Snake
<i>Rhinocheilus lecontei</i>	Longnose Snake
<i>Salvadora hexalepis hexalepis</i>	Desert Patchnose Snake
<b>Dipsadidae</b>	<b>Rear-Fanged Snakes</b>
<i>Hypsiglena chlorophaea</i>	Desert Night Snake
<b>Viperidae</b>	<b>Vipers</b>
<i>Crotalus cerastes cerastes</i>	Mojave Desert Sidewinder
<i>Crotalus scutulatus</i>	Mojave Rattlesnake

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SCIENTIFIC NAME	COMMON NAME
Turtles, Tortoises	
<i>Gopherus agassizii</i>	Desert Tortoise