

**PHASE I STUDY FOR THE
KENTUCKY SPRINGS
SIGNIFICANT ECOLOGICAL AREA NO. 61**

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**PHASE I REPORT FOR
KENTUCKY SPRINGS
SIGNIFICANT ECOLOGICAL AREA
(SEA No. 61)**

This report describes the current biological condition of the Kentucky Springs Significant Ecological Area (SEA) No. 61. It includes descriptions of plant and wildlife communities based upon field surveys and review of other reports from the region. The report also includes information on ownership patterns within the SEA and an evaluation of the original intent of the SEA and current uses. All of these efforts were designed to provide a framework for management of the Kentucky Springs SEA No. 61.

I. INTRODUCTION

The Kentucky Springs SEA No. 61 is located directly south of Soledad Pass at State Route 14 (SR-14), in northcentral Los Angeles County (see Regional Vicinity map, Exhibit 1). The site abuts Angeles National Forest on the south and is located on the Pacifico Mountain and Acton 7.5-minute USGS quadrangle maps. Aerial photographs and a USGS topographic map of SEA No. 61 are available at the Los Angeles County Regional Planning Department. The SEA includes the Kentucky Springs Wash and surrounding hillsides from the Angeles National Forest Boundary to the confluence with Soledad Canyon Wash, Soledad Canyon from Angeles Forest Highway to approximately 3/4 mile east, and most of the canyon immediately south of Soledad Canyon. Exhibit 2 outlines the SEA boundaries.

This site was originally designated to protect what was described as the best stand of Parish's great basin sagebrush (Artemisia tridentata ssp. parishii) in Los Angeles County (England and Nelson 1976). The range of the species is fairly large, but highly localized. It occurs along the desert slopes of the Transverse Ranges in Southern California, the White Mountains in Inyo County, and the Egan Range in Nevada (Schultz 1984). Considerable threat of loss through development in Santa Clarita and Antelope valleys, combined with the relict nature of the population, has focused attention on the site.

LEGEND



Significant Ecological Area

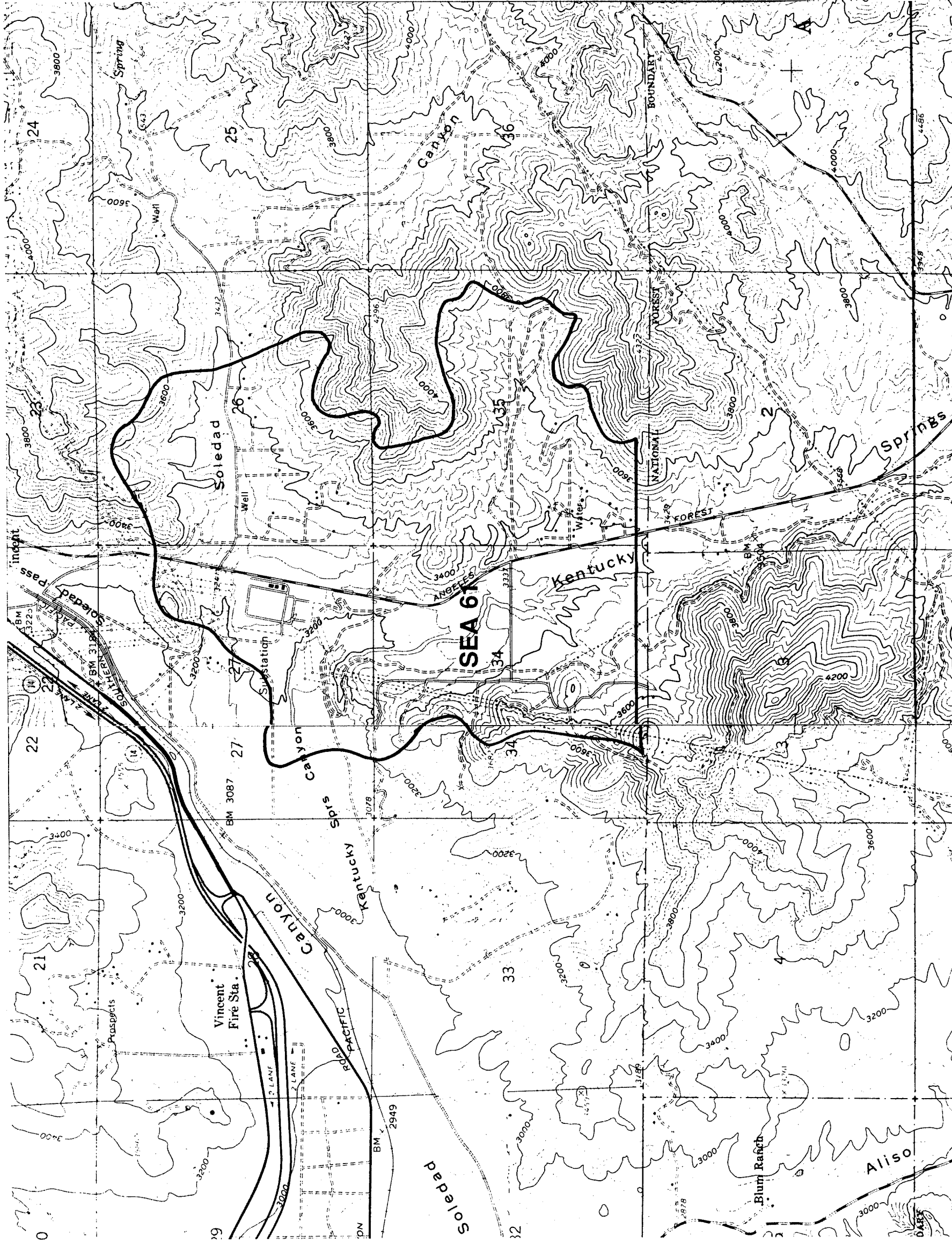


Exhibit 2

Kentucky Springs SEA No. 61



500' 1000' 1500'

II. METHODS

The existing biological resources at the Kentucky Springs SEA No. 61 are described below based on results of field surveys, supplemented by review of other documentation and regional distribution data. Field surveys were conducted by MBA on foot and by vehicle on July 7, 1991. The literature review consisted of compilation of relevant biological assessments and biota reports prepared for SEA No. 61 by Fishman (1990), Hovore (1989, 1990), Yorke (1990), and references describing the regional flora and fauna. Plant community designations are derived from Holland (1986); California Natural Diversity Data Base (CNDDDB) codes are indicated after the community name. Plant species names, where not available from Munz (1974), are taken from Raven et al. (1986), Abrams (1923, 1944), and Abrams and Ferris (1951, 1960). References used for wildlife taxonomy include Emmel and Emmel (1976), Manotti (1990) for butterflies, Jennings (1983) for amphibians and reptiles, the American Ornithologists' Union (1983 and supplemental) for birds, and Jones et al. (1982) for mammals. General wildlife distributions were determined from the California Wildlife Habitat Relationships System (CWHRS 1991), Bell (1978), Jennings (1983), Stebbins (1985), Garrett and Dunn (1981), Hall and Kelson (1981), Burt and Grossenheider (1976), Jones et al. (1982), and Ingles (1965).

III. OWNERSHIP PATTERNS AND CURRENT USES

Land ownership patterns were derived from the County Tax Assessor's Roll. Parcel numbers compiled from the Tax Assessor's Roll were forwarded to Quality Mapping Services for compilation of lot lines. The lot line data was mapped at a scale of 1-inch equals 1,000 feet. Analysis of the land ownership data for Kentucky Springs SEA No. 61 revealed 144 separate holders of 212 parcels. The names of the current landowners are given in the list of parcel holders (Appendix A). The locations of their holdings are shown on the ownership maps available at the Los Angeles County Regional Planning Department.

IV. EXISTING BIOLOGICAL RESOURCES

The descriptions of the plant and wildlife communities below are written to give a general overview of the species likely to be encountered and the distribution of the resources in the SEA, and are not a comprehensive species account. Complete plant and wildlife species lists, generated

from the review of literature and field surveys, are given in the floral/faunal compendia (Appendix B).

PLANT COMMUNITIES

Because of the transitional nature of the area between coastal, montane, and desert regions, the vegetation of the Kentucky Springs SEA No. 61 exhibits components and characteristics of all three regions. Plant communities are assigned to best fit the descriptions provided by Holland (1986), but because of the confluence of varied geographic regions and floras, fire, and intergradation of the communities, considerable variation exists between the vegetation of the site and the communities as described by Holland.

Big Sagebrush Scrub (35210)

This plant community occurs primarily along washes, alluvial terraces, and the fringes of channels of Kentucky Springs and Soledad Canyon. Parish's great basin sagebrush occasionally occurs in pure stands in upland areas. In the washes, it is generally associated with rabbit brush (Chrysothamnus nauseosus), four-winged saltbush (Atriplex canescens), and silver cholla (Opuntia echinocarpa). Other low shrubs such as California matchweed (Gutierrezia californica), box-thorn (Lycium cooperi), and hairy horsebrush (Tetradymia comosa) are common. Annual species associated with the big sagebrush scrub include fiddleneck (Amsinckia intermedia), red-stemmed filaree (Erodium cicutantum), western tansey-mustard (Descurainia pinnata), and pectocarya (Pectocarya spp.). Occasional monotypic patches of Parish's great basin sagebrush occur throughout the SEA, primarily in swales along some west-facing slopes. The best, extant stands of this community are immediately north of the Edison substation and along the Kentucky Springs wash.

Semi-Desert Chaparral (37400)

Patches of semi-desert chaparral occur in scattered areas along the slopes of the SEA. Component species include desert and coastal woody shrubs such as chamise (Adenostoma fasciculatum), bigberry manzanita (Arctostaphylos glauca), desert scrub oak (Quercus turbinella), box-thorn, desert almond (Prunus fasciculatum), and bladder-sage (Salazaria mexicana). This community is characteristically open with a sparse to absent cover of annuals.

Mojavean Juniper Woodland and Scrub (72220)

Open juniper woodland occurs, or formerly occurred, through much of the SEA on north-facing slopes and alluvial terraces. The juniper woodland and scrub on the slopes and terraces around the Kentucky Springs wash west of Angeles Forest Highway is relatively intact. These areas support widely spaced arborescent California junipers (Juniperus californicus) among scrub composed of Parish's great basin sagebrush, California buckwheat (Eriogonum fasciculatum ssp. polifolium), bigberry manzanita, narrow-leaved goldenbush (Ericameria linearifolia), beavertail cactus (Opuntia basilaris var. basilaris), and Spanish bayonet (Yucca whipplei). Much of the juniper woodland and semi-desert chaparral in the SEA east of Angeles Forest Highway was severely damaged by a fire in 1978. The fire appears to have been most intense in the canyon south of Soledad Canyon. No obvious indications of the Juniper woodland community's recovery were observed among the charred remnants of dead juniper but the chamise component of the chaparral appears to be recovering. The burned areas are characterized by sparse shrub cover, bunch grasses, and a variety of annuals.

Mojave Creosote Bush Scrub (34100)

A small patch (less than 1/4 acre) of creosote bush scrub occurs on the south face of the knoll north of the Edison substation. This community consists of approximately 20 creosote (Larrea tridentata) bushes with scattered Nevada ephedra (Ephedra nevadensis) and dense cover of fiddleneck. Creosote bush scrub is a very minor part of the vegetation of the site.

Mojave Mixed Woody Scrub (34210)

Steep, primarily south-facing slopes of the SEA, support an expression of Mojave mixed woody scrub, characterized by an extremely sparse cover of low shrubs, spanish bayonet (Yucca whipplei), and beavertail cactus with a seasonally dense cover of fiddleneck, mustard (Sisymbrium sp.), and other annuals. Shrubs in this community include Nevada ephedra, California buckwheat, bladdersage, narrow-leaved goldenbush, and California brickellbush (Brickellia californica). In areas heavily affected by fire, as in the southern slopes of Soledad Canyon and the canyon to the south of Soledad, shrub cover is minimal, and Spanish bayonet appears fairly prominent on hillsides with dense cover of fiddleneck.

WILDLIFE

Amphibians and Reptiles

Desert and scrub plant communities in Southern California are typically too dry to support more than a few amphibian species. Those that are present in dry habitats are most active when local moisture levels are highest, such as during rainstorms. The site probably supports only one amphibian species: the western toad (Bufo boreas). Because of the desert-like climate of the site, it is not expected to support any salamander species.

Reptiles are expected to be abundant and diverse throughout the SEA. The transitional nature of the habitats on the site, which include desert and coastal elements, may enhance its ability to support desert species such as the desert spiny lizard (Sceloporus magister). Based on the diagnostic sign of mammals (reptiles also use mammal burrows) and insects, and the presence of appropriate habitat, the side-blotched lizard (Uta stansburiana), western fence lizard (Sceloporus occidentalis), western skink (Eumeces skiltonianus), western whiptail (Cnemidophorus tigris), gopher snake (Pituophis melanoleucus), western patch-nosed snake (Salvadora hexalepis), common kingsnake (Lampropeltis getulus), coachwhip (Masticophis flagellum), and western rattlesnake (Crotalus viridis) are expected to be relatively common in the SEA.

Rock outcrops dot the slopes of the site, and these may support crevice-dwelling species such as the granite spiny lizard (Sceloporus orcutti) and granite night lizard (Xantusia henshawi). A number of other less common reptiles are also expected to be present on the site, and these are listed in Appendix B.

Birds

The Kentucky Springs SEA No. 61 lies within a transitional zone presenting a gradation of bird species typically occurring in coastal, desert, and montane habitats. Although most of the species likely to be encountered are permanent residents, the actual assemblages of populations will vary through the seasons with montane and northern species arriving in winter, and migrant breeding birds arriving in spring. Many of the resident species tend to be granivores such as the California quail (Callipepla californica), mourning dove (Zenaida macroura), and rufous-sided towhee (Pipilo erythrophthalmus), and omnivores such as the common raven (Corvus corax) and scrub jay

(Aphelocoma coerulescens). Winter brings an influx of other granivorous birds such as purple finch (Carpodacus purpureus), dark-eyed junco (Junco hyemalis), and white-crowned sparrow (Zonotrichia leucophrys). Strict insectivores such as warblers occur in low numbers.

Several raptor species such as red-tailed hawks (Buteo jamaicensis), golden eagles (Aquila chrysaetos), and prairie falcon (Falco mexicanus) will forage on the site.

Mammals

The most common small mammals on the site are the granivorous rodents and rabbits. Burrows of the California ground squirrel (Spermophilus beecheyi) and the tunnel vents of the Botta's pocket gopher (Thomomys bottae) were observed through much of the project site, and diagnostic sign of many other rodents was observed as well. This additional sign includes the burrows and scats of various rodents, including the agile kangaroo rat (Dipodomys agilis), California pocket mouse (Perognathus californicus), little pocket mouse (Perognathus longimembris), desert woodrat (Neotoma lepida), and deer mouse (Peromyscus spp.). The scats of the black-tailed jackrabbit (Lepus californicus) and desert cottontail (Sylvilagus audubonii) were observed on the site. Other small mammals expected on the site include the western harvest mouse (Reithrodontomys megalotis), brush mouse (Peromyscus boylii), and desert shrew (Notiosorex crawfordi), among others.

Predators expected include coyote (Canis latrans), gray fox (Urocyon cinereoargenteus), the southern grasshopper mouse (Onychomys torridus), long-tailed weasel (Mustela frenata), and bobcat (Felis rufus). Mule deer (Odocoileus hemionus) are expected to forage on the site, but the large number of free-roaming dogs will curtail their presence.

The rock outcrops and abandoned mines in the SEA provide potential roosting sites for bats. A number of bat species, including the small-footed myotis (Myotis leibii), California myotis (Myotis californicus), Yuma myotis (Myotis yumanensis), and western pipistrelle (Pipistrellus hesperus), are expected to forage throughout the SEA.

SENSITIVE SPECIES

This section describes the plant and wildlife species present or potentially occurring in the Kentucky Springs SEA No. 61 that have been afforded special recognition by federal, state, and local resources conservation agencies due to declining or limited population sizes. The potential for sensitive plant and animal species occurring in the SEA was first determined through review of the CNDDDB data for the Pacifico Mountain and Acton USGS quads. This was supplemented by review of the following sources:

- **Plants.** USFWS (1990), CDFG (1990), CNDDDB (1991), CNPS (1988).
- **Wildlife.** California Wildlife Habitat Relationships System (CWHRS 1991), USFWS (1990), CDFG (1990), CNDDDB (1991), Williams (1986), Remsen (1978).

While not all of these species have been observed in the SEA, there is the potential for them to occur due to recent regional sightings and suitable habitat within the SEA. The potential for their occurrence in the SEA is estimated based on field surveys and review of other documentation for the SEA.

Sensitive Plant Species

Peirson's morning-glory

Peirson's morning-glory (Calystegia peirsonii) is a federal Category 2 candidate for listing as threatened or endangered. The Category 2 designation is applied to taxa for which USFWS does not possess sufficient threat or distribution data to support federal listing. The California Native Plant Society places the plant on its List 4, a watch list for species of limited distribution whose susceptibility to threats is currently low. The species is found in chaparral and coastal sage scrub in desert transition areas along the northern slopes of the San Gabriel Mountains. Potential habitat for Peirson's morning-glory exists on the site, although no individuals of this species were observed on the site during the current survey. Biological constraints analyses for future proposed projects within the Kentucky Springs SEA should include focused surveys for Peirson's morning-glory between May and June.

Short-joint Beavertail

Short-joint beavertail (Opuntia basilaris var. brachyclada) is a federal Category 2 candidate for listing as threatened or endangered. The California Native Plant Society places the plant on its list 1B, a designation indicating that the species meets the definitions of Section 1901, Chapter 10 of the California Department of Fish and Game Code and is eligible for state listing. Short-joint beavertail is found in highly restricted, disjunct populations on the desert sides of the San Gabriel and San Bernardino Mountains, the Providence Mountains, and Vulcan Mountain. Rarefind indicates records for this species near SR-14 and Pearblossom Highway. No individuals of this variety of beavertail were observed on the site during the 1991 MBA survey. Opuntia basilaris var. basilaris is, however, a relatively common component of the onsite vegetation. The brachyclada variety of Opuntia basilaris has been reported by Fishman et al. (1990) on Parcel #20348 east of Angeles Forest Highway within the Kentucky Springs SEA No. 61.

Sensitive Wildlife Species

No federally or state-listed threatened or endangered species, or candidate species, were located within the project boundaries during the surveys. However, potential habitat and suitable conditions exist on the site for a number of sensitive species that have been recorded in the vicinity, or that include the site within their range. These species, and the potential for their presence on the site, are described below.

Coast Horned Lizard

Two subspecies of the coast horned lizard have been identified: the San Diego horned lizard (Phrynosoma coronatum blainvillei) and the California horned lizard (P. c. frontale) (Stebbins 1966). The San Diego horned lizard is a federal Category 2 candidate subspecies for listing as threatened or endangered and a California Species of Special Concern (CDFG 1987). Species of special concern are taxa considered to be potentially threatened. The California horned lizard is not a federal candidate but is a Species of Special Concern (CDFG 1987).

The project area is in a transition zone for the two subspecies of the coast horned lizard. They occur sporadically in the region in relatively level areas that support coastal sage scrub, chaparral, juniper woodland, coniferous forests, broadleaf woodland, and grassland habitats. The horned

lizard primarily occurs in areas of open scrub with sandy soils where its primary food source, harvester ants (Pogonomyrmex spp. or Messor spp.), are present. The coast horned lizard has exhibited drastic population declines over the last century. The principal causes of decline in recent years has been loss of habitat to development and urbanization, and overcollecting (McGurty 1980; Stebbins 1985; Stewart 1990).

Previous studies of the coast horned lizard (McGurty 1980; Reeve 1952) indicate that intergradation (interbreeding) between the two subspecies has occurred in central, northern, and northwestern Los Angeles County and northern Ventura County. This indicates that the ranges of both subspecies may overlap in the vicinity of the study area. Because the site is within an area of possible subspecies intergradation, the individuals in the local population may exhibit characters of both subspecies. In such cases, the resource agencies typically consider the sensitivity status of the population to be that of the most sensitive subspecies. The San Diego horned lizard is the more sensitive of the two subspecies potentially occurring in the project area (Category 2 federal candidate for listing as threatened or endangered).

The coast horned lizard has been observed within the SEA (Yorke 1990), and based on the availability of suitable habitat, is assumed to be present in low to moderate numbers throughout the site. Biological constraints analyses in and adjacent to the SEA should complete focused surveys for this species during the months of April, May, and June (depending on weather conditions). Surveys should be used to determine the species distribution and population density on the site and the potential effects of indirect habitat disruption.

Federal Candidate Bat Species

The spotted bat and California mastiff bat are federal Category 2 candidates. The California mastiff bat is also a California Species of Special Concern, second priority (Williams 1986). These and other bat species (see below) have exhibited drastic population declines over the last several decades, principally because of disturbance of roosting sites by humans. Other factors may include loss of foraging habitat and the widespread use of pesticides which has reduced insect populations and poisoned some bats (Williams 1986; Roverud 1990).

The spotted bat and California mastiff bat are migratory species that may use the site seasonally as part of their winter or summer feeding areas. These bats feed after dark or at dusk, and may

fly as much as 100 miles in one night while foraging for insects (Jameson et. al 1988). Little is known about the size of area used by individual bats of these species during their migratory phases; however, they are known to forage in arid habitats such as that found on the site. These bats are known to roost chiefly in the crevices of steep rocky cliffs, in mines, caves, tunnels, and in buildings. Inspection of two abandoned mine tunnels within the SEA by MBA (1991) and Fishman et al. (1990) found no sign of roosting bats. Biological constraints analyses for all projects in and adjacent to this SEA should complete focused foraging and nesting habitat surveys for bats.

Other Sensitive Species

This section includes species that are not listed as threatened or endangered or as candidates for such a listing, but that are considered sensitive by resource agencies or other conservation organizations.

Golden Eagle

The golden eagle (Aquila chrysaetos) is a CDFG Species of Special Concern, third priority, and is fully protected under the Bald and Golden Eagle Protection Act. Although no suitable nesting habitat occurs on the project site, it does provide foraging habitat and is sure to be included in the large home range -- up to 35 square miles (W.R. Spofford 1964 in Terres 1980) -- of this raptor. Focused surveys for this species are not warranted.

Prairie Falcon

The prairie falcon (Falco mexicanus) is a CDFG Species of Special Concern, third priority, because of population declines throughout its former range away from the deserts. This species requires cliffs or rocky outcrops for nesting and dry open areas for foraging. The Kentucky Springs SEA does not have suitable nesting habitat, but most of the site would be suitable for foraging. This bird probably occurs in the area on a regular basis and may be resident in the area.

Burrowing Owl

The burrowing owl (*Athene cunicularia*) is a CDFG Species of Special Concern, second priority, because of severe population declines caused by the conversion of grassland habitat for agriculture and development, destruction of ground squirrel colonies (burrows are used for nesting), assimilation of poisons used for rodent control, and deliberate take by humans. Although no burrowing owls were observed during the surveys, the mammal burrows and the prey base available on the project site provide suitable foraging habitat for this species. Because nesting habitat is available on and in the vicinity of the SEA, the burrowing owl is expected to nest and forage in the SEA at least occasionally. Biological constraints analyses for future proposed projects should assess the presence of foraging habitat and nesting sites for this species.

Badger

The badger (*Taxidea taxus*) is a CDFG Species of Special Concern, third priority, that inhabits open areas and feeds on small, ground-dwelling mammals, especially ground squirrels, pocket gophers, and kangaroo rats (Williams 1986; Jameson et al. 1988). The badger population within California has drastically declined within the last century, and it has been extirpated from many large areas in the region (Williams 1986). The principal reasons for its decline are loss of habitat to urbanization and agriculture, hunting, and general persecution (CDFG 1980; Williams 1986). Badgers may occur on the site, although their use of the site is expected to become increasingly limited due to the presence of a large number of free-roaming dogs. Because the home range of badgers can range from 20 acres to over 2,000 acres (Williams 1986), the badger may use all or only part of the site during the year, or the site may include overlapping ranges of more than one individual.

Sensitive Bat Species

The California leaf-nosed bat (*Macrotus californicus*), Townsend's big-eared bat (*Plecotus townsendii*), big free-tailed bat (*Tadarida macrotus*), and pocketed free-tailed bat (*Tadarida femorosacca*) are CDFG Species of Special Concern (Williams 1986). The California leaf-nosed bat, Townsend's big-eared bat, and pocketed free-tailed bat are second priority species. The big free-tailed bat is a third priority species. The project site occurs within the ranges of all of these bats (Hall 1981; Jameson et al. 1988). The northern subspecies of the Townsend's big-eared bat

(P. t. townsendii) is also a federal Category 2 candidate species, but the SEA is not within its range (Williams 1986; Hall 1981). As described above for the spotted bat and California mastiff bat, these bat species have exhibited drastic population declines in the region, primarily because of disturbance of roosts by humans (Williams 1986; Roverud 1990).

The California leaf-nosed bat roosts primarily in caves and old mines and occasionally in buildings, and forages over open scrubby areas (Jameson et al. 1988; Williams 1986). This species may roost in mineshafts or old buildings and forage in the vicinity of the SEA. The big and pocketed free-tailed bats typically roost in rock outcrops and crevices in high cliffs and forage over habitat such as that found on the site (Jameson et al. 1988). The rock outcrops on the site may provide temporary summer roosts for these two species, and they may forage on the site.

V. DEVELOPMENT PRESSURE ANALYSIS

The Kentucky Springs SEA No. 61 is divided into 212 parcels held by 144 different owners. The large number of small parcels owned by different individuals indicates that there is a high probability that the remaining resources will be fragmented by numerous small developments throughout the area. Fishman et al. (1990) predicted an eventual five-fold increase in the population of the Kentucky Springs area.

VI. RECOMMENDATIONS FOR MANAGEMENT OF SEA NO. 45

ORIGINAL INTENT OF SEA DESIGNATION AND CURRENT USES

According to England and Nelson (1976), the original designation of Kentucky Springs as a Significant Ecological Area was intended to preserve what was considered the best extant stand of Parish's great basin sagebrush in Los Angeles County. Medium intensity recreation, with the exclusion of equestrian usage, was deemed to be compatible usage within the SEA. The Los Angeles County General Plan (1988) defines compatible use to include England and Nelson's (1976) recommendations. In addition, the General Plan states that compatible uses may also include low density residential development, minor commercial uses serving local residents, public and semi-public uses essential to the maintenance of public health and safety, agricultural uses, and natural resources extraction (gas, oil, etc.). The General Plan recognizes that measures

necessary to preserve and enhance SEAs will vary depending on the nature of the resource values present and the degree of threat implied by potentially incompatible development.

Current land use includes a Southern California Edison substation and associated power lines, low-density, equestrian-oriented residences, off-road vehicle traffic, and target shooting. The last three uses are wholly incompatible with preservation of the biotic resources within the SEA. In addition to vegetation removed for roads and pads, fire department mandated brush clearance, and horse grazing will eliminate substantial amounts of vegetation in each parcel. Off-road vehicles threaten the integrity of the wash and retard or prevent vegetation recovery. Shooting, children, and free-roaming dogs will substantially diminish susceptible wildlife populations. Anecdotal evidence from one long-time resident indicates that deer use and coast horned lizard populations have greatly decreased in the SEA over the last 10 years.

SUGGESTIONS FOR BOUNDARY RECONFIGURATION

The current boundaries of the Kentucky Springs SEA encompass the majority of the Parish's great basin sagebrush outside of the Angeles National Forest and are considered sufficient.

MANAGEMENT OF SEA RESOURCES

Because the Kentucky Springs SEA No. 61 is divided into over 200 separate parcels with 144 different owners, the possibility of providing effective, coherent management of the biotic resources of the site is severely constrained. Efforts to protect the Parish's great basin sagebrush should focus on areas west of Angeles Forest Highway and along the channel of Soledad Canyon east of Angeles Forest Highway. Because Southern California Edison is the major property holder in the SEA and their uses can be compatible with the SEA, co-ordination with the utility company should be sought.

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APPENDIX A

**LIST OF PARCEL OWNERS WITHIN
KENTUCKY SPRINGS
SIGNIFICANT ECOLOGICAL AREA NO. 61**

1-1 3056-003-076 OLIVER S. GLENN 1117 VIA ALTA BURBANK, CA 91501

2-1 3056-003-077 GREG A. HECHINGER 37921 N. HASTINGS PALMDALE, CA 93550

3-1 3056-003-078 TAIWAN MANUFACTURING 911 W. MOANA LANE #700 RENO, NV 89509

4-1 3056-003-079 ROLAND B. COURSER 2412 MOUNTAIN AVE. LA CRESCENTA, CA 91214

5-1 3056-003-080 FRED BAXTER 1911 COLORADO BLVD. LOS ANGELES, CA 90041

6-1 3056-003-081 LEO A. TAYLOR c/o: EVAN C. TAYLOR 2155 RIDGEWOOD WAY BOUNTIFUL,
UTAH 84010

7-1 3056-003-086 JOHN N. LAW 26456 PLYMOUTH AVE. HEMET, CA 92344

8-1 3056-003-087 NORTH AMERICAN LAND INV. INC. 751 N. 120TH ST. E. OREM, UTAH 84057

9-1 3056-003-088 GENE S. HIGA 9403 KEAHI ST. HONOLULU, HI 96822

10-1 3056-003-089 GOLDEN STATE INV. INC. NO. 5 EAST 4800 SOUTH MURRAY, UT 84057

11-1 3056-003-090 PAUL W. ROSANDER 3771 S. 2000 E. SALT LAKE CITY, UT 84109

12-1 3056-003-091 TAMOTSU KUSANO 11 MAKAI STREET HILO, HI 96720

13-1 3056-003-092 CRISLEE PROPERTIES P.O. BOX 15416 SALT LAKE CITY, UT 84109

14-1 3056-003-093 SHUNJI UEKI 603 HAHAIONE ST. HONOLULU, HI 90825

15-1 3056-003-094 GEORGE TANIGUCHI P.O. BOX 25 KAAAU, HI 90825

16-1 3056-003-095 DAVID E. MOHR 32602 ANGELES FOREST HWY. PALMDALE, CA 93550

17-1 3056-003-096 MARLOW K. ULBERG P.O. BOX 652 ACTON, CA 93510

18-1 3056-003-097 JAMES C. ASHLEY 32610 ANGELES FOREST HWY. PALMDALE, CA 93550

19-1 3056-003-900 U.S. GOVERNMENT c/o: GNRL SVCS. ADM. 300 N. LOS ANGELES ST. LOS
ANGELES, CA 90012

20-1 3056-003-802 SO CAL EDISON CO ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

21-1 3056-005-047 GEORGE H. McCLAIN 17559 DONMETZ ST. GRANADA HILLS, CA 91344

22-1 3056-005-048 ERNEST ROSADO 18945 KIRKEOLM NORTHRIDGE, CA 91326

23-1 3056-005-049 HENRY E. LAATSCH 557 E. FORESTON DR. PALMDALE, CA 93550

24-1 3056-005-050 GEORGE NOLL 541 FORESTON DR. ACTON, CA 93510

5-1	3056-005-051 ELLIS L BURMAN P.O. BOX 102 ACTON, CA 93510
26-1	3056-005-052 GREGORY BARBIERA 558 FORESTON DR. ACTON, CA 93510
7-1	3056-005-053 JOSEPH A. CAVAL CANTE SR. 808 ROYAL AVE. ROYALOK, MI 48073
28-1	3056-005-054 KENNETH R. WATERS P.O. BOX 727 ACTON, CA 93510
20-2	3056-005-816 SO CAL EDISON CO 2 PTS./ATTN:R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771
0-3	3056-005-817 SO CAL EDISON CO ATTN:R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771
20-4	3056-005-818 SO CAL EDISON CO ATTN:R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771
1-2	3056-006-006 GEORGIA A. McCLAIN 17559 DONMETZ ST. GRANADA HILLS, CA 91344
21-3	3056-006-007 GEORGIA A. McCLAIN 17559 DONMETZ ST. GRANADA HILLS, CA 91344
9-1	3056-006-008 MARILYN A. McCLAIN 17559 DONMETZ ST. GRANADA HILLS, CA 91344
9-2	3056-006-009 MARILYN A. McCLAIN 41331 CHESTNUT ST. QUARTZ HILL, CA 93551
30-1	3056-006-010 DENNIS D. NISH 2501 SIERRA HWY. #4 ACTON, CA 93510
1-4	3056-006-011 GEORGE H. McCLAIN 17559 DONMETZ ST. GRANADA HILLS, CA 91344
21-5	3056-006-012 GEORGE H. McCLAIN 17559 DONMETZ ST. GRANADA HILLS, CA 91344
1-6	3056-006-013 GEORGE H. McCLAIN 17559 DONMETZ ST. GRANADA HILLS, CA 91344
1-1	3056-006-014 MARK GLECKMAN P.O. BOX 614 ACTON, CA 93510
32-1	3056-006-015 DARROW W. RICHARDSON 684 E. SCENIC DRIVE PROVO, UT 94604
8-2	3056-006-016 KENNETH R. WATERS W.P.O. BOX 727 ACTON, CA 93510
33-1	3056-006-017 TIMOTHY BOMBERGER 658 E. FORESTON DR. PALMDALE, CA 93550
4-1	3056-006-018 ROBERT E. MAHONEY 708 FORESTON DR. ACTON, CA 93510
1-7	3056-006-019 GEORGE H. McCLAIN 17559 DONMETZ ST. GRANADA HILLS, CA 91344
21-8	3056-006-020 GEORGE H. McCLAIN 17559 DONMETZ ST. GRANADA HILLS, CA 91344
1-9	3056-006-021 GEORGE H. McCLAIN 17559 DONMETZ ST. GRANADA HILLS, CA 91344
35-1	3056-006-022 LORRAINE A. BEIERMEISTER 10741 VIKING AVE. NORTHRIDGE, CA 91326
6-1	3056-006-023 JOSEPH A. MIKUS 830 FORRESTON DR. ACTON, CA 93510
27-1	3056-006-024 ANTHONY SPERO 14383 BEAVER ST. SYLMAR, CA 91342

- 38-1 3056-006-025 GREGORY W. FISHER 856 FORESTON DR. ACTON, CA 93510

- 39-1 3056-012-003 ROBERT F. MORTENSEN P.O. BOX 607 PALMDALE, CA 93550

- 40-1 3056-012-004 GARRETT R. DOYLE COUNTRYWIDE TITLE CORP. P.O. BOX 7136 PASADENA, CA 91007

- 41-1 3056-012-006 JOHNNIE SCOGGINS 13010 WILLARD ST. N. HOLLYWOOD, CA 91605

- 42-1 3056-012-008 JAMES L. COLE 520 E. PALMDALE BLVD. PALMDALE, CA 93550

- 43-1 3056-012-018 KATHLEEN R. SWEENEY 440 E. SOLEDAD PASS RD. PALMDALE, CA 93550

- 44-1 3056-012-019 ANTONIO R. GONZALEZ 974 MARVISTA AVE. PASADENA, CA 91104

- 45-1 3056-012-021 THOMAS C. GEORGE 11123 CALIFA STREET N. HOLLYWOOD, CA 91601

- 46-1 3056-012-022 THEOPHIELD A. WHITE 3602 SOMERSET DR. LOS ANGELES, CA 90016

- 47-1 3056-012-023 BRAIN GOODWIN 33438 ANGELES FOREST HWY. ACTON, CA 93510

- 48-1 3056-012-024 JAMES W. LAMB 530 E. SOLEDAD PASS RD. PALMDALE, CA 93550

- 49-1 3056-012-025 RALPH R. ROSS 23476 WHITE DOVE DR. EL TORO, CA 92630

- 50-1 3056-012-026 RASMUS GJESDAL 520 SOLEDAD PASS RD. PALMDALE, CA 93550

- 51-1 3056-012-027 JORGE A. PRADO 3330 CHERRY AVE. LONG BEACH, CA 90807

- 52-1 3056-012-028 EDWARD S. LUSTER 410 E. SOLEDAD PASS PALMDALE, CA 93550

- 53-1 3056-012-029 KENNETH L. VON DER AHE 2814 E. ORION ST. GILBERT, AZ 85234

- 54-1 3056-012-030 MOLYNEUX CONSTRUCTION 23046 FRIAR STREET WOODLAND HILLS, CA 91367

- 55-1 3056-012-031 FRAE J. READER 33110 N. HILLSIDE DR. PALMDALE, CA 93550

- 56-1 3056-012-032 ROSCOE J. DONNEL 1817 TAMERLANE DR. GLENDALE, CA 91208

- 57-1 3056-012-033 VIRDELL K. KRAACK 720 E. SOLEDAD PASS RD. PALMDALE, CA 93550

- 58-1 3056-012-034 JAMES F. McCONNELL 129 44TH STREET MANHATTAN BEACH, CA 90266

- 59-1 3056-012-035 RICHARD J. AVERY 810 E. SOLEDAD PASS RD. PALMDALE, CA 93550

- 60-1 3056-012-036 MERVIN M. MILLER 8075 FRUITVALE AVE. MOORPARK, CA 93021

- 61-1 3056-012-037 THOMAS J. LENTZ 22136 CANONES CRCL SAUGUS, CA 91350

- 62-1 3056-012-038 ROBERT K. YAMASHIRO 2210 W. 166TH STREET TORRANCE, CA 90504

- 63-1 3056-012-039 JOSEPH C. HICKEL 940 E. SOLEDAD PASS RD. PALMDALE, CA 93550

63-2 3056-012-040 JOSEPH C. HICKEL 940 E. SOLEDAD PASS RD. PALMDALE, CA 93550

64-1 3056-012-041 JAMES M. SIMPSON 33454 1/2 ANGELES FOREST HWY. VINCEN, CA 93550

65-1 3056-012-042 ALFRED R. HOWLAND 1230 E. SOLEDAD PASS RD. PALMDALE, CA 93550

65-2 3056-012-043 ALFRED R. HOWLAND 1230 E. SOLEDAD PASS RD. PALMDALE, CA 93550

66-1 3056-012-045 SIMPSON La DENE 32820 CHANTANDA AVE. ACTON, CA 93510

67-1 3056-012-047 ERNESTO ABRIL 7418 APPERSON #1 TUJUNGA, CA 91042

68-1 3056-012-049 EDWARD I. MENACKER 20441 ROBERT PL. WOODLAND HILLS, CA 91364

69-1 3056-012-050 GUS Y. HILU 16745 SUPERIOR ST. SEPULVEDA, CA 91343

70-1 3056-012-051 ROSE VAN SAAKE 3451 BAHIA BLANCA W. #A LAGUNA HILLS, CA 92653

71-1 3056-012-052 ERICH KOLODINSKI 33470 ORANGE HILL PALMDALE, CA 93550

19-2 3056-012-300 U.S. GOVERNMENT c/o: GNRL SVCS. ADM. 300 N. LOS ANGELES ST. LOS ANGELES, CA 90012

72-1 3056-014-005 JOHN H. WRIGHT 11115 ALLEGHENY ST. SUN VALLEY, CA 91352

73-1 3056-014-009 JEAN GROVEN 3582 KIOWA WAY LAKE HAVASU CITY, AZ 86403

74-1 3056-014-022 PHILLIP L. SHIVER 1 BOX CANYON CANOGA PARK, CA 91304

75-1 3056-014-024 NANCY M. RICENTO 2025 LEMNOS DR. COSTA MESA, CA 92626

76-1 3056-014-026 PAULINE K. CRAWFORD 4401 MOORPARK WAY #206 TOLUCA LAKE, CA 91602

77-1 3056-014-030 HARRIET ISAACSON P.O. BOX 1428 PALMDALE, CA 93550

78-1 3056-041-031 ROY E. GRISWALD 13037 GLAMIS PACOIMA, CA 91331

79-1 3056-014-032 SOUTHERN SURPLUS REALTY CO. c/o: SO. SURPLUS REALTY CO. P.O. BOX 800 ROSEMEAD, CA 91771

79-2 3056-014-033 SOUTHERN SURPLUS REALTY CO. c/o: SO. SURPLUS REALTY CO. P.O. BOX 800 ROSEMEAD, CA 91771

79-3 3056-014-034 SOUTHERN SURPLUS REALTY CO. c/o: SO. SURPLUS REALTY CO. P.O. BOX 800 ROSEMEAD, CA 91771

80-1 3056-014-035 JOHN L. WEISEL P.O. BOX 294 BASS LAKE, CA

81-1 3056-014-036 VERA M. JAMES P.O. BOX 901428 PALMDALE, CA 93550

82-1 3056-014-037 DANIEL GREGG 770 CARSON MESA RD. PALMDALE, CA 93550

83-1 3056-014-041 VINAY R. GUPTA 18330 KINGSBURY ST. NORTHRIDGE, CA 9132

84-1 3056-014-800 SOUTHERN PACIFIC RAILROAD 610 S. MAIN STREET LOS ANGELES, CA 90014

84-2 3056-014-801 SOUTHERN PACIFIC RAILROAD 610 S. MAIN STREET LOS ANGELES, CA 90014

84-3 3056-014-802 SOUTHERN PACIFIC RAILROAD 610 S. MAIN STREET LOS ANGELES, CA 90014

84-4 3056-014-803 SOUTHERN PACIFIC RAILROAD 610 S. MAIN STREET LOS ANGELES, CA 90014

84-5 3056-014-804 SOUTHERN PACIFIC RAILROAD 610 S. MAIN STREET LOS ANGELES, CA 90014

20-5 3056-014-806 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-6 3056-014-809 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-7 3056-014-810 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-8 3056-014-811 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-9 3056-014-812 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-10 3056-014-813 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-11 3056-014-814 SO. CAL EDISON CO. 4 PTS/ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA
91771

20-12 3056-014-815 SO. CAL EDISON CO. 2 PTS/ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA
91771

20-13 3056-014-816 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-14 3056-014-817 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-15 3056-014-818 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-16 3056-014-819 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-17 3056-014-820 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

85-1 3056-015-008 ABRAHAM LEVY P.O. BOX 297 ACTON, CA 93510

86-1 3056-015-011 ANTELOPE VALLEY EQUITY INVESTORS CORP. 3807 W. SIERRA HWY. #18
ACTON, CA 93510

86-2 3056-015-012 ANTELOPE VALLEY EQUITY INVESTORS CORP. 3807 W. SIERRA HWY. #18
ACTON, CA 93510

87-1 3056-015-013 SEMA L. SIMSHAUSER 18736 VANOWEN ST. RESEDA, CA 91335

87-2 3056-015-014 SEHMA L. SIMSHAUSER c/o: BLEACKMAN 2224 N. ELMDALE AVE. SIMI VALLEY,
CA 93065

88-1 3056-015-015 HONG LEE HAN RUBICON REAL ESTATE 8937 DeSOTO AVE. #5 CANOGA PARK,
CA 91304

89-1 3056-015-018 HONG LEE HAN 19351 ROSCOE BLVD. NORTHRIDGE, CA 91324

20-18 3056-015-800 SO. CAL EDISON CO. 4PTS/TTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-19 3056-015-801 SO. CAL EDISON CO. 4 PTS/ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA
91771

20-20 3056-015-802 SO. CAL EDISON CO. 2 PTS/ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA
91771

20-21 3056-015-803 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-22 3056-015-804 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

90-1 3056-018-048 GERALD K. TRANT 5416 MAPLE TREE AVE. ARCADIA, CA 91006

91-1 3056-018-049 DOROTHY R. CLEMENCE 32239 ANGELES FOREST HWY. PALMDALE, CA 93550

92-1 3056-018-050 JAMES C. CLEMENCE 8414 COLIMA ROAD WHITTIER, CA 90605

93-1 3056-018-051 KENNARD O.M.D.I. STOLL 1023 W. LANCASTER BLVD. LANCASTER, CA 93534

93-2 3056-018-052 KENNARD O.M.D.I. STOLL 1023 W. LANCASTER BLVD. LANCASTER, CA 93534

94-1 3056-018-053 WANDA L. STENZEL P.O. BOX 923 NEWHALL, CA 91321

95-1 3056-018-054 KITTIE M. THRASHER 32303 ANGELES FOREST HWY. PALMDALE, CA 93550

90-2 3056-018-055 GERALD K. TRANT 5416 MAPLE TREE AVE. ARCADIA, CA 91006

90-3 3056-018-056 GERALD K. TRANT 5416 MAPLE TREE AVE. ARCADIA, CA 91006

96-1 3056-018-057 JERRY LEWIS 32607 ANGELES FOREST HWY. PALMDALE, CA 93550

97-1 3056-018-059 MORTON KANDELL P.O. BOX 10278 TORRANCE, CA 90501

97-2 3056-018-060 MORTON KANDELL P.O. BOX 10278 TORRANCE, CA 90501

98-1 3056-018-061 CARL F. TAYLOR 1907 YACHT CANUKKA NEWPORT BEACH, CA 92660

99-1 3056-018-062 AMERICAN CALVEST CORP. MICHAEL D. SPEES 3807 SIERRA HWY. #18
ACTON, CA 93510

99-2 3056-018-063 AMERICAN CALVEST CORP. MICHAEL D. SPEES 3807 SIERRA HWY. #18
ACTON, CA 93510

100-1 3056-018-067 RALPH T. McCALL 229 TIMER ROAD NEWBERRY PARK, CA 91320

101-1 3056-018-068 JAMES E. CARSON 1689 SIERRA HWY. ACTON, CA 93510

102-1 3056-018-069 ALLGOOD EINSTEIN & CO. 8525 ELKGROVE BLVD. #250 ELGROVE, CA 95624

103-1 3056-018-070 NATIC ENT. INC. 911 W. MOANA LANE #700 RENO, NV 89509

104-1 3056-018-071 VERNON TELLOCK 960 SEARCHLIGHT RANCH RD. ACTON, CA 93510

105-1 3056-018-073 ANDRA J. WEST P.O. BOX 304 ALPINE, WY

106-1 3056-018-074 AARON MARTIN 850 SEARCHLIGHT RANCH RD. ACTON, CA 93510

107-1 3056-018-077 VINCENT J. COLOSIMO 32551 ANGELES FOREST HWY. PALMDALE, CA 93550

108-1 3056-018-079 RALPH RILEY 32563 ANGELES CREST HWY. PALMDALE, CA 93550

109-1 3056-018-080 CLARENCE G. GALLEGOS 32517 ANGELES FOREST HWY. PALMDALE, CA 93550

110-1 3056-018-081 SCOTT D. RAMSEY 32435 ANGELES FOREST HWY. PALMDALE, CA 93550

111-1 3056-018-084 HENRY ACOSTA 3544 E. AVENUE T-2 PALMDALE, CA 93550

112-1 3056-018-087 HARVEY D. MILLIGAN 32229 GHOST MINE PL. PALMDALE, CA 93550

113-1 3056-018-090 STEPHEN E. HODAPP 32339 GHOST MINE PL. PALMDALE, CA 93550

114-1 3056-018-091 THOMAS W. CULOTTA 32210 ANGELES FOREST HWY. PALMDALE, CA 93550

114-2 3056-018-092 THOMAS W. CULOTTA 32210 ANGELES FOREST HWY. PALMDALE, CA 93550

20-23 3056-018-800 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-24 3056-018-801 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-25 3056-018-802 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-26 3056-018-803 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-27 3056-018-804 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-28 3056-018-805 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-29 3056-018-806 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-30 3056-018-807 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-31 3056-018-808 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

115-1 3056-028-006 JOSEPH ASH P.O. BOX 309 ACTON, CA 93510

116-1 3056-028-008 ROY A. WAGNER P.O. BOX 252 ACTON, CA 93510

116-2 3056-028-009 ROY A. WAGNER P.O. BOX 252 ACTON, CA 93510

117-1	3056-028-052	MARGARET MISIURAK	36817 96TH ST. EAST	LITTLEROCK, CA 93543
118-1	3056-028-059	ROBERT D. SOMERS	32617 ANGELES FOREST HWY.	PALMDALE, CA 93550
49-2	3056-028-071	RALPH R. ROSS	23476 WHITE DOVE DR.	EL TORO, CA 92630
119-1	3056-028-072	DWIGHT C. ROWE	1030 E. AVE. S #133	PALMDALE, CA 93550
120-1	3056-028-084	SATIAR POURVASEI	622 SOUTH ST.	GLENDALE, CA 91202
121-1	3056-028-085	PAUL F. DEGRASSE	4305 LEXINGTON CT.	PALMDALE, CA 93550
90-4	3056-028-086	GERALD K. TRANT	5416 MAPLE TREE AVE.	ARCADIA, CA 91006
122-1	3056-028-087	RICK KENSEL	P.O. BOX 8155	VAN NUYS, CA 91405
123-1	3056-028-091	ERNEST G. WOOD	35120 RED ROVER MINE RD.	ACTON, CA 93510
124-1	3056-028-093	ROBERT G. SWYDEN	5101 E. FLORENCE AVE.	BELL, CA 90201
125-1	3056-028-094	GARY S. CALHOUN	3807 W. SIERRA HWY. #18	ACTON, CA 93510
126-1	3056-028-097	JOHN METZGER	1131 De La VINA	SANTA BARBARA, CA 93101
126-2	3056-028-100	JOHN METZGER	1131 De La VINA	SANTA BARBARA, CA 93101
127-1	3056-028-101	PHILIP A. YEEND	3917 RIVERSIDE DR. #9128	TOLUCA LAKE, CA 91505
127-2	3056-028-102	PHILIP A. YEEND	3917 RIVERSIDE DR. #9128	TOLUCA LAKE, CA 91505
127-3	3056-028-103	PHILIP A. YEEND	3917 RIVERSIDE DR. #9128	TOLUCA LAKE, CA 91505
127-4	3056-028-104	PHILIP A. YEEND	3917 RIVERSIDE DR. #9128	TOLUCA LAKE, CA 91505
20-32	3056-028-808	SO. CAL EDISON CO.	ATTN: R.E. DEV. P.O. BOX 600	ROSEMEAD, CA 91771
20-33	3056-028-809	SO. CAL EDISON CO.	ATTN: R.E. DEV. P.O. BOX 600	ROSEMEAD, CA 91771
20-34	3056-028-810	SO. CAL EDISON CO.	ATTN: R.E. DEV. P.O. BOX 600	ROSEMEAD, CA 91771
20-35	3056-028-811	SO. CAL EDISON CO.	ATTN: R.E. DEV. P.O. BOX 600	ROSEMEAD, CA 91771
20-36	3056-028-812	SO. CAL EDISON CO.	ATTN: R.E. DEV. P.O. BOX 600	ROSEMEAD, CA 91771
20-37	3056-028-813	SO. CAL EDISON CO.	ATTN: R.E. DEV. P.O. BOX 600	ROSEMEAD, CA 91771
20-38	3056-028-814	SO. CAL EDISON CO.	ATTN: R.E. DEV. P.O. BOX 600	ROSEMEAD, CA 91771
20-39	3056-028-815	SO. CAL EDISON CO.	ATTN: R.E. DEV. P.O. BOX 600	ROSEMEAD, CA 91771
20-40	3056-028-816	SO. CAL EDISON CO.	ATTN: R.E. DEV. P.O. BOX 600	ROSEMEAD, CA 91771

20-41 3056-028-817 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-42 3056-028-818 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-43 3056-028-821 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-44 3056-028-822 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-45 3056-028-825 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-46 3056-028-834 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-47 3056-028-836 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-48 3056-028-837 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

20-49 3056-028-838 SO. CAL EDISON CO. ATTN: R.E. DEV. P.O. BOX 600 ROSEMEAD, CA 91771

128-1 3056-029-001 DELSON E. STINE 8800 ETON AVE. #89 CANOGA PARK, CA 91304

129-1 3056-029-002 KURT WAGNER 27116 HIDEAWAY AVE. CANYON COUNTRY, CA 91351

130-1 3056-029-003 EVERETT CAPLES COLDWELL BANKER 27536 SIERRA HWY. CANYON COUNTRY, CA 91351

131-1 3056-029-004 DONALD D. MONSON 32412 ANGELES FOREST HWY. PALMDALE, CA 93550

132-1 3056-029-005 LARRY R. SHALEEN 32410 ANGELES FOREST HWY. PALMDALE, CA 93550

133-1 3056-029-006 EMIL G. SITKEI 3555 TORRANCE BLVD. #300 TORRANCE, CA 90503

134-1 3056-029-009 MARY J. THATCHER 32422 ANGELES FOREST HWY. PALMDALE, CA 93550

135-1 3056-029-011 WILLIAM A. STROJIN 2840 FAIRMOUNT AVE. La CRESCENTA, CA 91214

136-1 3056-029-012 KEITH W. BENSON 2766 TUNNEL ST. PLACERVILLE, CA 95667

137-1 3056-029-013 FRANK L. DUVALL 32420 ANGELES FOREST HWY. PALMDALE, CA 93550

138-1 3056-029-014 GLADYS I. AVARD 1702 RUTHLOR RD. CARDIFF BY THE SEA, CA 92007

139-1 3056-029-015 FRANK A. AUTEN JR. P.O. BOX 11653 TAHOE, PARADISE, CA

140-1 3056-029-016 WILBERT E. APPELGREN 6720 KURL WAY RESEDA, CA 91335

141-1 3056-029-017 DENNIS E. MITCHELL P.O. BOX 728 SANTA PAULA, CA 93061-0728

142-1 3056-029-018 CAL X INCORPORATED P.O. BOX 1872 CAMARILLO, CA 93011-1872

143-1 3056-030-004 TIMOTHY A. IMPENS 32414 ANGELES FOREST HWY. PALMDALE, CA 93550

144-1 3056-030-008 JOHN B. CUSICK 27409 LAUREL GLEN CRCL. VALENCIA, CA 91354

145-1	3056-030-010	GEORGE DANIELS	1148 N. CEDAR ST.	GLENDALE, CA 91207
146-1	3056-030-012	COLLEEN A. CARLTON	32000 ANGELES FOREST HWY.	PALMDALE, CA 93550
145-2	3056-030-013	GEORGE W. DANIELS	1148 N. CEDAR ST.	GLENDALE, CA 91207
147-1	3056-030-015	LLOYD A. PALMER	721 MOUNTAIN DR.	SANTA BARBARA, CA 93105
148-1	3056-030-016	METROPOLITAN LAND INV. INC.	P.O. BOX 15416	SALT LAKE CITY, UT
149-1	3056-030-018	RON S. WHISENANT	58975 E. HWY. 26	SANDY, OR 97055
150-1	3056-030-019	RON S. WHISENANT	32300 ANGELES FOREST HWY.	PALMDALE, CA 93550
151-1	3056-030-020	WILLON A. HENDERSON JR.	32300 ANGELES FOREST HWY.	PALMDALE, CA 93550
122-2	3056-007-006	RICK KENSEL	P.O. BOX 8155	VAN NUYS, CA 91405
152-1	3056-007-007	HOOSHMAND SHAMOEIL	130 N. WETHERLY DR. #102	LOS ANGELES, CA 90048
153-1	3056-007-008	STEVEN W. SCHELL	552 S. OAKLAND #2	PASADENA, CA 91101
154-1	3056-007-016	JOHN W. HODGE JR.	3244 BROOKVIEW RD.	MARIETTA, GA 30067
155-1	3056-007-017	GLORIA J. WILSON	11111 JEFFERSON BLVD. #2044	CULVER CITY, CA 90230
156-1	3056-007-018	WALTER C. CHARLES	P.O. BOX 1183	GARDENA, CA
157-1	3056-007-019	JOHN A. DAVIDSON	3280 HOWELL MILL RD. #319	ATLANTA, GA 30327
158-1	3056-007-025	BASHER AHMAD	15760 VENTURA BLVD. #823	ENCINO, CA 91436
159-1	3056-007-026	RASJID K. WHITE	3545 W. STONEPINE LANE	ANAHEIM, CA 92804
160-1	3056-007-028	DAVID GHAZAL	39457 9TH ST. EAST	PALMDALE, CA 93550
161-1	3056-007-029	DARLA R. LESH	P.O. BOX 4596	N. HOLLWYOOD, CA 91604
162-1	3056-007-030	JAMES A. THOMAS	43000 SUGAR STREET	LANCASTER, CA 93536
163-1	3056-007-031	DAVID K. GRIFFIN	27811 GLASSER AVE.	CANYON COUNTRY, CA 91351
164-1	3056-007-032	JOHN E. HOWLAND	P.O. BOX 161	ACTON, CA 93510
165-1	3056-007-036	EDWARD L. PERROTT	9436 VANHALDEN AVE.	NORTHRIDGE, CA 91324

166-1 3056-007-037 ROBERT A. VAN SLYKE 13581 DEAN STREET TUSTIN, CA 92680

167-1 3056-007-039 DIVERSIFIED PORTFOLIOS INC. P.O. BOX 1864 SAN JAN CAPISTRANO, CA

168-1 3056-007-041 LINDA ALLAN 3963 SIERRA HIGHWAY ACTON, CA 93510

164-2 3056-007-042 JOHN E. HOWLAND P.O. BOX 161 ACTON, CA 93510

169-1 3056-007-043 MATTHEW K. BOGOSHIAN P.O. BOX 161 ACTON, CA 93510

170-1 3056-007-044 KATRINA STELLO P.O. BOX 1868 LANCASTER, CA 93534

171-1 3056-007-045 QUESTAR MARKETING INTL INC. 525 N. CABRILLO PARK DR. #324 SANTA ANA, CA 92701

171-2 3056-007-046 QUESTAR MARKETING INTL INC. 525 N. CABRILLO PARK DR. #324 SANTA ANA, CA 92701

172-1 3056-007-271-275 CITY OF LOS ANGELES DEPT. OF WATER & POWER P.O. BOX 111-TERM. ANX. LOS ANGELES, CA 90049

172-2 3056-007-276 CITY OF LOS ANGELES DEPT. OF WATER & POWER ATTN: TED BISHOP P.O. BOX 111-TERM. ANX. LOS ANGELES, CA 90049

172-3 3056-007-277 CITY OF LOS ANGELES DEPT. OF WATER & POWER ATTN: CRAIG G. LUNA P.O. BOX 111-TERM. ANX. LOS ANGELES, CA 90049

20-50 3056-007-800-802 SO. CALIF. EDISON CO. P.O. BOX 600 ROSEMEAD, CA 91771

158-2 ~~3056-011-024~~ BASHER AHMAD 15760 VENTURA BLVD. #823 ENCINO, CA 91436

83-2 3056-011-033 VINAY R. GUPTA 18330 KINGSBURY ST. NORTHRIDGE, CA 91326

173-1 ~~3056-011-034~~ DONALD ZONSHINE P.O. BOX 2562 CANOGA PARK, CA 91335

83-3 3056-011-036 VINAY R. GUPTA 18330 KINGSBURY ST. NORTHRIDGE, CA 91326

174-1 3056-011-037 MARY C. FIELD 4317 WEST AVENUE L QUARTZ HILL, CA 93534

175-1 ~~3056-011-038~~ DAVID L. WHEELER 237 E. SOLEDAD PASS ACTON, CA 93510

176-1 ~~3056-011-039~~ RALPH RHODES 313 E. SOLEDAD PASS ACTON, CA 93510

177-1 ~~3056-011-040~~ BILL E. LANCE 340 E. SOLEDAD PASS ACTON, CA 93510

178-1 ~~3056-011-041~~ ERIC S. OLSON 929 W. MOUNTAIN ST. GLENDALE, CA 91202

179-1 ~~3056-011-042~~ JAMES B. TANNER P.O. BOX 2312 CANYON COUNTRY, CA 91351

179-2 ~~3056-011-043~~ JAMES TANNER P.O. BOX 2312 CANYON COUNTRY, CA 91351

~~3056-011-044~~ LOS ANGELES, CA 90049

180-1 ~~3056-011-044~~ SHIRELEY TANNER 15455 SAN FERNANDO/MISSION #402 MISSION HILLS,
CA 91321

181-1 ~~3056-011-045~~ MARCEL GOULET 2927 SIERRA HIGHWAY BOX 44 ACTON, CA 93510

182-1 ~~3056-011-046~~ DANIEL L. GRAHEK 7743 CHERRYSTONE AVE. PANORAMA, CA 91402

183-1 ~~3056-011-047~~ FRANCIS T. BOYLAN P.O. BOX 867 ACTON, CA 93510

184-1 ~~3056-011-048~~ DONALD NIEMI 28808 PRAIRIE LANE #206 CANYON COUNTRY, CA 91351

20-51 ~~3056-011-800~~ SO. CALIF. EDISON CO. P.O. BOX 600 ROSEMEAD, CA 91771

APPENDIX B

**FLORAL AND FAUNAL COMPENDIA
KENTUCKY SPRINGS
SIGNIFICANT ECOLOGICAL AREA NO. 61**

INTRODUCTION TO FLORAL AND FAUNAL SURVEY

Floral components encountered during the survey were recorded in terms of relative abundance and host habitat type. Expected site use by wildlife is derived from survey information combined with documented habitat preferences of regional wildlife species that, whether or not recorded during the survey, are considered likely to include the project area within their range.

Habitat designations used in this report are according to the classification system of Holland (1986). Floral taxonomy used in this report follows that of Roberts (1989), Raven et al. (1986), and Beauchamp (1986). Common plant names, where not available from Roberts or Beauchamp, are taken from Munz (1984) and Abrams (1923). Vertebrates identified in the field by sight, calls, tracks, scat, or other signs are cited according to the nomenclature of Jennings (1983) for amphibians and reptiles, AOU (1983, 1985, 1987, 1989) for birds, and Jones et al. (1982) for mammals.

FLORAL COMPENDIUM¹

LEGEND

HABITAT²

- BSS - Big Sagebrush Scrub
- SDC - Semi-Desert Chaparral
- JWS - Mojavian Juniper Woodland and Scrub
- CBS - Mojave Creosote Bush Scrub
- MWS - Mojave Mixed Woody Scrub

ABUNDANCE³

- a - abundant--ubiquitous throughout the noted community; occurs in high numbers or in large, pure stands
- c - common--a dominant species in the noted community; occurs in relatively high numbers
- f - frequent--occurs in moderate numbers, but not a dominant element of the noted community
- o - occasional--occurs sporadically in the noted community; generally not an obvious or conspicuous component
- i - infrequent--occurs rarely, or only in a small portion of the noted community; often not apparent unless searched for

STATUS

- * Non-native

¹ This is not intended as an exhaustive listing of the vegetation occurring on the site; some annual herbs or very uncommon species may not have been detected by the field survey.

² Indicates habitat type (plant community) in which species most commonly occurs; species may occur in limited numbers or restricted localities in other communities.

³ This is simply a gross indication of relative frequency of occurrence on the site. Quantitative sampling methods were not employed to arrive at these determinations.

VASCULAR PLANTS

LYCOPODIAE

SELAGINELLACEAE - SPIKE-MOSS FAMILY	<u>BSS</u>	<u>SDC</u>	<u>JWS</u>	<u>CBS</u>	<u>MWS</u>
<u>Selaginella bigelovii</u>	-	i	i	-	-

FILICAE

ADIANTACEAE - LIP FERN FAMILY

<u>Pellaea mucronata</u> bird's foot cliff-brake	-	i	i	-	i
---	---	---	---	---	---

CONIFERAE

CUPRESSACEAE - CYPRESS FAMILY

* <u>Cupressus arizonica</u> Arizona cypress	-	-	-	-	-
<u>Juniperus californica</u> California juniper	f	o	a	-	o

PINACEAE - PINE FAMILY

<u>Pinus monophylla</u> one-leaved pinyon	-	-	i	-	-
* <u>Pinus sp.</u> pine	-	-	-	-	-
<u>Pseudotsuga macrocarpa</u> big-cone spruce	-	i	i	-	-

GNETAE

EPHEDRACEAE - EPHEDRA FAMILY

<u>Ephedra nevadensis</u> Nevada ephedra	i	i	i	o	f
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ANGIOSPERMAE (DICOTYLEDONES)

AMARANTHACEAE - AMARANTH FAMILY	<u>BSS</u>	<u>SDC</u>	<u>JWS</u>	<u>CBS</u>	<u>MWS</u>
<u>Amaranthus californicus</u> California amaranth	i	-	-	-	-
APIACEAE - CARROT FAMILY					
Lomatium mohvense Mohave lomatium	i	i	i	-	-
ASTERACEAE - SUNFLOWER FAMILY					
<u>Ambrosia acanthicarpa</u> annual burweed	o	i	i	i	i
<u>Ambrosia dumosa</u> burrobush	i	i	i	o	o
<u>Artemisia tridentata</u> ssp. <u>parishii</u> Parish's great basin sage	a	o	c	-	i
<u>Baccharis salicifolia</u> mulefat	i	-	-	-	-
<u>Chaenactis glabriuscula</u> yellow pincushion	i	-	-	-	-
<u>Chrysothamnus nauseosus</u> rabbit-brush	c	i	i	-	i
<u>Corethrogyne filaginifolia</u> cudweed aster	o	o	o	o	o
<u>Coreopsis bigelovii</u> annual coreopsis	o	o	o	i	o
<u>Encelia farinosa</u> incienso	i	o	i	i	o
<u>Eriophyllum confertiflorum</u> golden yarrow	o	o	o	-	o
<u>Gutierrezia californica</u> California matchweed	f	o	o	-	o
<u>Haplopappus linearifolia</u> narrow-leaved goldenbush	f	o	o	-	o
<u>Haplopappus cooperi</u> golden bush	o	i	i	-	i
<u>Hazardia squarrosa</u> saw-toothed goldenbush	i	o	i	-	i
<u>Helianthus annuus</u> common sunflower	i	-	-	-	-
<u>Hemizonia fasciculata</u> fascicled tarweed	o	o	o	o	o
<u>Heterotheca grandiflora</u> telegraph weed	i	-	-	-	-

ASTERACEAE - SUNFLOWER FAMILY (continued) BSS SDC JWS CBS MWS

<u>Layia glandulosa</u> white layia	o	o	i	-	i
<u>Lessingia lemmonii</u> lessingia	o	o	o	o	o
<u>Lepidospartum squamatum</u> scale-broom	o	-	-	-	-
<u>Senecio douglasii</u> shrubby butterweed	o	o	i	-	o
<u>Stephanomeria virgata</u> twiggy wreathplant	i	i	-	-	-
<u>Tetradymia comosa</u> hairy horsebrush	o	o	i	-	-

BORAGINACEAE - BORAGE FAMILY

<u>Amsinckia tessellata</u> fiddleneck	f	o	o	o	c
<u>Cryptantha circumcissa</u>	i	i	i	-	-
<u>Cryptantha intermedia</u> common forget-me-not	o	o	o	i	i
<u>Cryptantha micrantha</u>	o	i	o	i	i
<u>Cryptantha pterocarya</u>	i	i	i	i	i
<u>Pectocarya penicillata</u>	o	o	o	o	o
<u>Pectocarya setosa</u>	i	i	i	i	i
<u>Pectocarya recurvata</u>	o	o	o	o	o

BRASSICACEAE - MUSTARD FAMILY

* <u>Brassica nigra</u> black mustard	o	i	i	i	i
<u>Descurainia pinnata</u> western tansy-mustard	o	o	o	o	o
* <u>Sisymbrium altissimum</u> tumbling-mustard	i	i	i	i	i
* <u>Sisymbrium irio</u> London rocket	o	i	i	i	i
* <u>Sisymbrium officianale</u>	o	o	o	i	i
<u>Thelypodium lasiophyllum</u> California mustard	-	i	-	-	-

BRASSICACEAE - MUSTARD FAMILY (continued) BSS SDC JWS CBS MWS

Thysanocarpus laciniatus i - i i i
 narrow-leaved fringe pod

CACTACEAE - CACTUS FAMILY

Opuntia basilaris var. basilaris o i o - i
 beavertail cactus

Opuntia basilaris var. brachyclada - - i - -
 short-jointed beavertail

Opuntia echinocarpa
 silver cholla

CHENOPODIACEAE - GOOSEFOOT FAMILY

Atriplex canescens c i i - i
 four-winged saltbush

* Chenopodium album i - - - -
 lamb's-quarters

Chenopodium californicum i - - - -
 California goosefoot

* Salsola australis i i i - o
 Russian-thistle

CRASSULACEAE - STONECROP FAMILY

Dudleya lanceolata - i - - -
 lance-leaved dudleya

CUCURBITACEAE - GOURD FAMILY

Marah macrocarpus i o o - i
 wild cucumber

ERICACEAE - HEATH FAMILY

Arctostaphylos glauca i o - - -
 bigberry manzanita

EUPHORBIACEAE - SPURGE FAMILY

	<u>BSS</u>	<u>SDC</u>	<u>JWS</u>	<u>CBS</u>	<u>MWS</u>
<u>Chamaesyce albomarginata</u> rattlesnake spurge	o	o	o	-	i
<u>Eremocarpus setigerus</u> doveweed	i	i	i	-	o

FABACEAE - PEA FAMILY

<u>Lotus scoparius</u> deerweed	o	i	i	-	o
<u>Lotus salsuginosus</u>	i	i	i	-	i
<u>Lotus strigosus</u> strigose lotus	i	i	i	-	i
<u>Lupinus sp.</u> lupine	-	i	-	-	-
<u>Lupinus concinnus</u> bajada lupine	o	i	i	-	-
<u>Lupinus sparsiflorus</u> Coulter's lupine	-	i	-	-	-

FAGACEAE - BEECH FAMILY

<u>Quercus agrifolia</u> coast live oak	-	i	-	-	-
<u>Quercus dumosa</u> California scrub oak	-	c	-	-	-

GERANIACEAE - GERANIUM FAMILY

* <u>Erodium cicutarium</u> red-stemmed filaree	f	o	o	o	f
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HYDROPHYLLACEAE - WATERLEAF FAMILY

<u>Emmenanthe penduliflora</u> whispering bells	-	i	-	-	-
<u>Eriodictyon trichocalyx</u> hairy yerba santa	o	o	o	-	o
<u>Phacelia cicutaria</u> caterpillar phacelia	o	o	o	-	o
<u>Phacelia distans</u> wild heliotrope	-	-	i	-	-
<u>Phacelia fremontii</u> Fremont phacelia	i	i	i	-	i

HYDROPHYLLACEAE - WATERLEAF FAMILY
(continued)

	<u>BSS</u>	<u>SDC</u>	<u>JWS</u>	<u>CBS</u>	<u>MWS</u>
<u>Phacelia minor</u> wild canterbury-bell	i	o	o	-	i

LAMIACEAE - MINT FAMILY

* <u>Marrubium vulgare</u> horehound	i	i	-	-	i
<u>Salazaria mexicana</u> bladder-sage	i	o	o	-	o
<u>Salvia apiana</u> white sage	i	i	i	-	o
<u>Salvia columbariae</u> chia	o	o	o	o	o
<u>Salvia dorii</u> gray ball sage	i	i	i	-	i
<u>Salvia mellifera</u> black sage	i	o	i	-	i

LOASACEAE - STICK-LEAF FAMILY

<u>Mentzelia veatchiana</u> Veatch's blazing-star	o	o	o	i	f
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NYCTAGINACEAE - FOUR-O'CLOCK FAMILY

<u>Mirabilis californica</u> California wishbone-bush	-	i	i	-	o
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ONAGRACEAE - EVENING-PRIMROSE FAMILY

<u>Camissonia bistorta</u> southern sun-cup	o	i	i	-	i
<u>Camissonia californica</u>	o	o	o	i	o
<u>Camissonia campestris</u>	i	i	i	-	i
<u>Camissonia pallida</u>	i	i	i	-	i

POLEMONIACEAE - PHLOX FAMILY

<u>Eriastrum densifolium</u> woolly star	o	i	-	-	-
<u>Eriastrum sapphirinum</u>	o	i	-	-	-

POLEMONIACEAE - PHLOX FAMILY (continued) BSS SDC JWS CBS MWS

<u>Gilia latiflora</u> broad-flowered gilia	i	i	i	-	-
<u>Linanthus aureus</u> golden linanthus	i	i	i	-	-

POLYGONACEAE - BUCKWHEAT FAMILY

<u>Chorizanthe fimbriata</u> fringed spine-flower	-	-	-	-	i
<u>Chorizanthe thurberi</u> Thurber's spineflower	i	i	-	-	-
<u>Chorizanthe staticoides</u> Turkish rugging	i	i	i	-	i
<u>Eriogonum davidsonii</u>	-	i	i	-	-
<u>Eriogonum fasciculatum</u> California buckwheat	o	o	o	-	f
<u>Eriogonum mohavense</u> Mojave buckwheat	-	-	-	-	i
<u>Eriogonum plumatella</u> flat-top buckwheat	i	i	i	-	i
<u>Eriogonum viridescens</u>	i	i	i	-	i
* <u>Rumex crispus</u> curly dock	i	-	-	-	-

PORTULACACEAE - PURSLANE FAMILY

<u>Calandrinia ciliata</u> redmaids	i	i	i	-	-
<u>Calyptridium monandrum</u> common calyptridium	i	i	i	-	i
<u>Claytonia perfoliata</u> miner's-lettuce	-	i	i	-	-

RHAMNACEAE - BUCKTHORN FAMILY

<u>Rhamnus ilicifolia</u> holly-leaved redberry	-	o	-	-	-
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ROSACEAE - ROSE FAMILY

<u>Adenostoma fasciculatum</u> chamise	-	c	-	-	-
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ROSACEAE - ROSE FAMILY (continued)

	<u>BSS</u>	<u>SDC</u>	<u>JWS</u>	<u>CBS</u>	<u>MWS</u>
<u>Cercocarpus betuloides</u> birch-leaf mountain-mahogany	i	f	i	-	-
<u>Prunus ilicifolia</u> holly-leaved cherry	i	o	i	-	-
<u>Prunus fasciculata</u>	f	o	o	-	i

RUBIACEAE - MADDER FAMILY

<u>Galium andrewsii</u> phlox-leaved bedstraw	-	i	-	-	-
<u>Galium angustifolium</u> narrow-leaved bedstraw	o	o	o	-	i

SCROPHULARIACEAE - FIGWORT FAMILY

<u>Castilleja plagiotoma</u>	i	i	-	-	i
<u>Penstemon centranthifolius</u> scarlet bugler	i	o	i	-	i
<u>Penstemon spectabilis</u> royal penstemon	o	i	i	-	i

SOLANACEAE - NIGHTSHADE FAMILY

* <u>Datura stramonium</u> annual jimsonweed	o	i	i	-	i
<u>Lycium cooperi</u> box-thorn	f	i	i	-	i

VISCACEAE - MISTLETOE FAMILY

<u>Phoradendron bolleanum</u> mistletoe	-	-	o	-	-
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ZYGOPHYLLACEAE - CALTROP FAMILY

<u>Larrea tridentata</u> creosote bush	-	-	-	a	i
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ANGIOSPERMAE (MONOCOTYLEDONES)

AGAVACEAE - AGAVE FAMILY

	<u>BSS</u>	<u>SDC</u>	<u>JWS</u>	<u>CBS</u>	<u>MWS</u>
<u>Yucca whipplei</u> Spanish bayonet	i	o	o	-	c

ALLIACEAE - ONION FAMILY

<u>Dichelostemma pulchellum</u> blue dicks	o	o	o	i	o
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LILIACEAE - LILY FAMILY

<u>Calochortus</u> sp. mariposa lily	i	o	o	-	o
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POACEAE - GRASS FAMILY

* <u>Bromus rubens</u> foxtail chess	o	o	o	o	o
* <u>Bromus tectorum</u> cheat grass	o	o	o	i	o
<u>Elymus glaucus</u> western wild rye	i	o	i	-	i
<u>Melica imperfecta</u> coast range melic	i	o	o	-	o
<u>Poa secunda</u> Malpais bluegrass	o	i	i	-	i
* <u>Schismus barbatus</u> Mediterranean schismus	f	o	o	f	f
<u>Sitanion hystrix</u> squirrel tail	i	-	-	o	o
<u>Stipa speciosa</u> desert needlegrass	o	o	o	o	o

FAUNAL COMPENDIUM

LEGEND

ABUNDANCE¹

- c - common--observed or expected throughout the site in relatively high numbers
- f - fairly common--observed or expected in moderate numbers over most of the site
- u - uncommon--observed or expected in low numbers over a portion or all of the site
- o - occasional--observed or expected only sporadically on the site
- s - scarce--observed or expected rarely on the site

STATUS

- + Presence noted by direct sighting, call identification or observation of tracks, scat or other signs.

* Non-native

SEASONALITY (Birds Only)²

- R - resident or found in vicinity year round
- S - present in summer only
- W - present in winter only
- V - visitor from nearby areas
- T - transient

¹ This is simply a gross indication of relative frequency of occurrence on the site; quantitative sampling methods were not employed to arrive at these determinations.

² This is simply a gross indication of relative frequency of occurrence on the site; quantitative sampling methods were not employed to arrive at these determinations.

INVERTEBRATES

BUTTERFLIES AND SKIPPERS

PAPILIONIDAE - SWALLOWTAILS AND PARNASSIANS

Papilio rutulus rutulus

western tiger swallowtail

larval food plant(s): principally Platanus racemosa (Platanaceae), but also Salix spp. and Populus spp. (Salicaceae)

Papilio eurymedon

pale swallowtail

larval food plant(s): Rhamnus crocea, R. californica, Ceanothus spp. (all Rhamnaceae), Prunus ilicifolia (Rosaceae) and occasionally domesticated Prunus

PIERIDAE - WHITES, SULFURS MARBLES AND ORANGETIPS

Pieris sisymbrii sisymbrii

California white

larval food plant(s): Caulanthus spp., Streptanthus spp., and Arabis spp. (all Brassicaceae)

Pieris protodice

common white

larval food plant(s): Lepidium fremontii (Brassicaceae) in deserts; many other Brassicaceae also used (Cleome spp., Brassica spp., Sisymbrium spp. etc.)

* Pieris rapae

cabbage butterfly, cabbage white

larval food plant(s): many Brassicaceae, native and introduced

Anthocharis cethura cethura

desert orangetip, Felders' orangetip

larval food plant(s): Streptanthella longirostris, Descurainaea spp. and probably other Brassicaceae

Anthocharis sara sara

Sara orangetip

larval food plant(s): Arabis spp., Barbarea vulgaris, Brassica kaber, Descurainaea spp. and Sisymbrium officinale (all Brassicaceae)

Anthocharis lanceolata australis

Grinnell's marble

larval food plant(s): Arabis perennans and A. sparsiflora var. arcuata (both Brassicaceae)

Euchloe hyantis lotta

southern marble

larval food plant(s): various Brassicaceae, including Streptanthus spp., Caulanthus spp., Descurainaea spp., occasionally Arabis spp. and Lepidium fremontii

DANAIDAE - MILKWEED BUTTERFLIES

Danaus plexippus

monarch

larval food plant(s): Asclepias spp. (Asclepiadaceae)

Cercyonis sthenele silvestrissylvan satyr

larval food plant(s): grasses (Poaceae)

NYMPHALIDAE - BRUSH-FOOTED BUTTERFLIES

Melitaea (Chlosyne) gabbii gabbii

Gabb's checkerspot

larval food plant(s): Corethrogyne filaginifolia, Heterotheca grandiflora; Hazardea squarrosa reported (all Asteraceae)

Melitaea (Chlosyne) neumoeni

Neumoegen's checkerspot

larval food plant(s): mainly Machaeranthera tortifolia; Acamptopappus sphaerocephalus var. hirtellus also reported (both Asteraceae)

Phyciodes mylitta mylitta

thistle crescent

larval food plant(s): Cirsium spp. (Asteraceae); species not identified

Polygonia satyrus satyrus

satyr anglewing

larval food plant(s): Urtica holosericea (Urticaceae)

Nymphalis antiopa antiopa

mourning cloak

larval food plant(s): Salix spp. and Populus spp. (both Salicaceae); Ulmus spp. (Ulmaceae)

Nymphalis californica

California tortoiseshell

larval food plant(s): Ceanothus spp. (Rhamnaceae)

Vanessa (Cynthia) cardui

painted lady

larval food plant(s): Malva spp. (Malvaceae), Cirsium spp. (Asteraceae), Urtica spp. (Urticaceae), Lupinus spp. (Fabaceae), Cryptantha spp. and Amsinckia spp. (Boraginaceae) and many others

Precis coenia

buckeye

larval food plant(s): Plantago erecta and P. lanceolata (Plantaginaceae); Mimulus spp. and Antirrhinum spp. (Scrophulariaceae)

Adelpha bredowii californica

California sister

larval food plant(s): Quercus chrysolepis (Fagaceae); possibly other Quercus spp.

LYCAENIDAE - METALMARKS, HAIRSTREAKS, COPPERS AND BLUES

RIODININAE - METALMARKS

Apodemia mormo mormo

Mormon metalmark

larval food plant(s): probably Eriogonum fasciculatum ssp. polifolium and E. plumatella (Polygonaceae) in southern California

RIODININAE - METALMARKS

Apodemia mormo virgulti

Behr's metalmark

larval food plant(s): probably Eriogonum fasciculatum ssp. fasciculatum and ssp. polifolium (Polygonaceae)

THECLINAE - HAIRSTREAKS

Atlides halesus corcorani

great purple hairstreak

larval food plant(s): Phoradendron flavescens var. macrophyllum, P. bolleanum var. densum; probably also P. californicum and P. juniperinum (all Loranthaceae)

Strymon melinus pudica

common hairstreak

larval food plant(s): quite varied; includes Malva spp. and Hibiscus spp. (Malvaceae), Humulus (Moraceae), Amorpha spp. and Phaseolus spp. (Fabaceae), Nolina spp. (Agavaceae), Polygonum spp. and Eriogonum spp. (Polygonaceae)

Satyrium tetra

grey hairstreak

larval food plant(s): Cercocarpus betuloides (Rosaceae)

Mitoura siva juniperaria

juniper hairstreak

larval food plant(s): Juniperus californica (Cupressaceae)

Callophrys (Incisalia) augustus iroides

western elfin

larval food plant(s): most extensively Cuscuta spp. (Cuscutaceae); also on Ceanothus spp. (Rhamnaceae), Chlorogalum pomeridanum (Liliaceae), and Arbutus menziesii (Ericaceae)

Callophrys dumetorum dumetorum

bramble hairstreak

larval food plant(s): Lotus scoparius (Fabaceae) and Eriogonum fasciculatum ssp. fasciculatum, polifolium and foliolosum (Polygonaceae)

Callophrys affinis perplexa

California green hairstreak

larval food plant(s): Lotus spp. (Fabaceae), Eriogonum spp. (Polygonaceae)

LYCAENINAE - COPPERS

Lycaena xanthoides xanthoides

great copper

larval food plant(s): Rumex spp. (Polygonaceae)

PLEBEJINAE - BLUES

Leptotes marina

marina blue

larval food plant(s): in urban areas, Plumbago spp. (Plumbaginaceae); elsewhere, many Fabaceae including Medicago spp., Lathyrus spp., and Astragalus spp., and at least in the San Gabriel Mts., Amorpha californica (all Fabaceae)

Brephidium exilis

pigmy blue

larval food plant(s): Chenopodium spp., Atriplex spp. (Chenopodiaceae)

Hemiargus ceraunus gyas

Edward's blue

larval food plant(s): Prosopis spp. and Medicago spp. (Fabaceae)

Plebejus acmon acmon

acmon blue

larval food plant(s): Astragalus spp. and Lotus spp., especially Lotus scoparius (Fabaceae); Eriogonum spp. also used extensively (Polygonaceae)

Plebejus lupini monticola

lupine blue

larval food plant(s): Eriogonum spp. (not lupine); principally Eriogonum fasciculatum varieties; E. umbellatum in eastern Mojave Desert (Polygonaceae)

Plebejus emigdionis

San Emigdio blue

larval food plant(s): Atriplex canescens (Chenopodiaceae)

Philotes rita elvirae

Rita blue

larval food plant(s): Eriogonum plumatella; on east side of Sierra Nevada, a subspecies of E. microthecum

Philotes speciosa

small blue

larval food plant(s): Eriogonum reniforme in deserts, and Oxytheca perfoliata in Mojave Desert; O. trilobata at Little Rock in Los Angeles County

Euphilotes (Philotes) bernardino bernardino

Bernardino blue

larval food plant(s): Eriogonum fasciculatum ssp. fasciculatum, polifolium and foliolosum (Polygonaceae)

Euphilotes (Philotes) mojave

Mojave blue

larval food plant(s): Eriogonum pusillum and probably E. reniforme (Polygonaceae)

Glaucopsyche lygdamus australis

southern blue

larval food plant(s): Lotus scoparius (Fabaceae)

HESPERIIDAE - SKIPPERS

Ochlodes agricola agricola

rural skipper

larval food plant(s): grasses (Poaceae)

Hesperia juba

juba skipper

larval food plant(s): unknown

Pholisora libya libya

Mojave sootywing

larval food plant(s): Atriplex canescens (Chenopodiaceae)

Heliopetes ericetorum

large white skipper

larval food plant(s): various Malvaceae, especially Malacothamnus fasciculatus

Erynnis zarucco funeralis

funereal duskywing

larval food plant(s): Lotus scoparius, Olneya tesota and Sesbania exaltata (all Fabaceae); Nemophila membranacea (Hydrophyllaceae) use documented in western Colorado Desert

TERRESTRIAL VERTEBRATES

AMPHIBIANS

BUFONIDAE - TRUE TOADS

Abundance

<u>Bufo boreas</u> western toad	u
<u>Bufo microscaphus</u> southwestern toad	o

REPTILES

GEKKONIDAE - GECKOS

<u>Coleonyx variegatus</u> banded gecko	u
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IGUANIDAE - IGUANID LIZARDS

<u>Phrynosoma coronatum</u> coast horned lizard	u
<u>Sceloporus graciosus</u> sagebrush lizard	u
<u>Sceloporus magister</u> desert spiny lizard	f
<u>Sceloporus occidentalis</u> western fence lizard	c
<u>Uta stansburiana</u> side-blotched lizard	c

XANTUSIIDAE - NIGHT LIZARDS

<u>Xantusia vigilis</u> desert night lizard	o
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SCINCIDAE - SKINKS

<u>Eumeces gilberti</u> Gilbert's skink	u
<u>Eumeces skiltonianus</u> western skink	f

TEIIDAE - WHIPTAIL LIZARDS**Abundance**

Cnemidophorus tigris
western whiptail

f

ANGUIDAE - ALLIGATOR LIZARDS

Gerrhonotus multicarinatus
southern alligator lizard

f

LEPTOTYPHLOPIDAE - SLENDER BLIND SNAKES

Leptotyphlops humilis
western blind snake

o

BOIDAE - BOAS

Lichanura trivirgata
rosy boa

o

COLUBRIDAE - COLUBRID SNAKES

Arizona elegans
glossy snake

o

Coluber constrictor
racer

f

Diadophis punctatus
ringneck snake

u

Hypsiglena torquata
night snake

u

Lampropeltis getulus
common kingsnake

u

Masticophis flagellum
coachwhip

f

Pituophis melanoleucus
gopher snake

c

Rhinocheilus lecontei
long-nosed snake

u

Salvadora hexalepis
western patch-nosed snake

u

Tantilla planiceps
western black-headed snake

u

Trimorphodon biscutatus
lyre snake

u

Crotalus viridis
western rattlesnake

f

BIRDS

CATHARTIDAE - NEW WORLD VULTURES

Abundance

Cathartes aura f,R
turkey vulture

ACCIPITRIDAE - HAWKS

Buteo jamaicensis c,R
red-tailed hawk

Aquila chrysaetos o,R
golden eagle

FALCONIDAE - FALCONS

Falco sparverius c,R
American kestrel

Falco mexicanus o,R
prairie falcon

PHASIANIDAE - PHEASANTS & QUAILS

Callipepla californica c,R
California quail

COLUMBIDAE - PIGEONS & DOVES

* Columba livia c,R
rock dove

Zenaida macroura c,R
mourning dove

CUCULIDAE - CUCKOOS & ROADRUNNERS

Geococcyx californianus f,R
greater roadrunner

TYTONIDAE - BARN OWLS

Tyto alba o,V
barn owl

STRIGIDAE - TRUE OWLSAbundance

Bubo virginianus o,R
great horned owl

CAPRIMULGIDAE - GOATSUCKERS

Chordeiles acutipennis u,S
lesser nighthawk

Phalaenoptilus nuttallii u,S
common poorwill

APODIDAE - SWIFTS

Aeronautes saxatalis f,R
white-throated swift

TROCHILIDAE - HUMMINGBIRDS

Archilochus alexandri u,S
black-chinned hummingbird

Calypte anna c,R
Anna's hummingbird

Selasphorus rufus o,T
rufous hummingbird

PICIDAE - WOODPECKERS

Sphyrapicus ruber s,W
red-breasted sapsucker

Melanerpes formicivorus u,R
acorn woodpecker

Picoides nuttallii o,R
Nuttall's woodpecker

Colaptes auratus f,R
northern flicker

TYRANNIDAE - TYRANT FLYCATCHERS

Empidonax hammondi u,T
Hammond's flycatcher

Empidonax oberholseri o,T
dusky flycatcher

Empidonax difficilis f,T
Pacific-slope flycatcher

TYRANNIDAE - TYRANT FLYCATCHERS (continued)**Abundance**

<u>Sayornis saya</u> Say's phoebe	o,W
<u>Myiarchus cinerascens</u> ash-throated flycatcher	o,S
<u>Tyrannus verticalis</u> western kingbird	u,S

ALAUDIDAE - LARKS

<u>Eremophila alpestris</u> horned lark	o,R
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HIRUNDINIDAE - SWALLOWS

<u>Tachycineta bicolor</u> tree swallow	u,T
<u>Tachycineta thalassina</u> violet-green swallow	f,S
<u>Stelgidopteryx serripennis</u> northern rough-winged swallow	f,S
<u>Hirundo pyrrhonota</u> cliff swallow	f,S
<u>Hirundo rustica</u> barn swallow	u,T

CORVIDAE - JAYS & CROWS

<u>Aphelocoma coerulescens</u> scrub jay	c,R
<u>Corvus brachyrhynchos</u> American crow	u,R
<u>Corvus corax</u> common raven	f,R

PARIDAE - TITMICE

<u>Parus inornatus</u> plain titmouse	o,R
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AEGITHALIDAE - BUSHTITS

<u>Psaltriparus minimus</u> bushtit	f,R
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TROGLODYTIDAE - WRENS**Abundance**

<u>Salpinctes obsoletus</u> rock wren	u,R
<u>Thryomanes bewickii</u> Bewick's wren	u,R
<u>Troglodytes aedon</u> house wren	u,S

MUSCICAPIDAE - KINGLETS, GNATCATCHERS, THRUSHES & BABBLERS

<u>Regulus calendula</u> ruby-crowned kinglet	u,W
<u>Polioptila caerulea</u> blue-gray gnatcatcher	u,R
<u>Sialia mexicana</u> western bluebird	o,W
<u>Myadestes townsendi</u> Townsend's solitaire	s,W
<u>Turdus migratorius</u> American robin	o,S
<u>Chamaea fasciata</u> wrenit	u,R

MIMIDAE - THRASHERS

<u>Mimus polyglottos</u> northern mockingbird	f,R
<u>Toxostoma redivivum</u> California thrasher	u,R

BOMBYCILLIDAE - WAXWINGS

<u>Bombycilla cedrorum</u> cedar waxwing	o,W
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PTILOGONATIDAE - SILKY-FLYCATCHERS

<u>Phainopepla nitens</u> phainopepla	u,R
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LANIIDAE - SHRIKES

<u>Lanius ludovicianus</u> loggerhead shrike	o,R
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STURNIDAE - STARLINGSAbundance

* Sturnus vulgaris c,R
 European starling

EMBERIZIDAE - WOOD WARBLERS, TANAGERS, BUNTINGS & BLACKBIRDS

Vermivora celata o,R/S
 orange-crowned warbler
Dendroica coronata f,W
 yellow-rumped warbler
Pheucticus melanocephalus u,S
 black-headed grosbeak
Passerina amoena u,S
 lazuli bunting
Pipilo crissalis f,R
 California towhee
Spizella passerina o,R
 chipping sparrow
Spizella atrogularis u,R
 black-chinned sparrow
Chondestes grammacus f,W/u,R
 lark sparrow
Amphispiza belli f,R
 sage sparrow
Passerculus sandwichensis o,W
 savannah sparrow
Passerella iliaca o,W
 fox sparrow
Zonotrichia atricapilla f,W
 golden-crowned sparrow
Zonotrichia leucophrys f,W
 white-crowned sparrow
Junco hyemalis f,W
 dark-eyed junco
Agelaius phoeniceus f,R
 red-winged blackbird
Sturnella neglecta c,R
 western meadowlark
Euphagus cyanocephalus c,R
 Brewer's blackbird
Molothrus ater u,R
 brown-headed cowbird
Icterus cucullatus o,S
 hooded oriole
Icterus galbula o,S
 northern oriole

FRINGILLIDAE - FINCHES

Abundance

<u>Carpodacus mexicanus</u> house finch	c,R
<u>Carduelis psaltria</u> lesser goldfinch	f,R
<u>Carduelis lawrencei</u> Lawrence's goldfinch	o,S
<u>Carduelis tristis</u> American goldfinch	o,W

PASSERIDAE - OLD WORLD SPARROWS

* <u>Passer domesticus</u> house sparrow	c,R
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MAMMALS

SORICIDAE - SHREWS

<u>Notiosorex crawfordi</u> desert shrew	u
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VESPERTILIONIDAE - EVENING BATS¹

<u>Myotis yumanensis</u> Yuma myotis
<u>Myotis evotis</u> long-eared myotis
<u>Myotis thysanodes</u> fringed myotis
<u>Myotis volans</u> long-legged myotis
<u>Myotis californicus</u> California myotis
<u>Myotis leibii</u> small-footed myotis
<u>Pipistrellus hesperus</u> western pipistrelle

¹ The site is within the range of a number of bat species in several families, but it is unlikely that all are present. As their distribution varies according to season, and as the precise habitat requirements of each species are not well known, it is difficult to determine which species are present on the property.

VESPERTILIONIDAE - EVENING BATS (continued)

Abundance

Eptesicus fuscus
big brown bat
Euderma maculatum
spotted bat
Lasiurus borealis
red bat
Lasiurus cinereus
hoary bat
Plecotus townsendii
Townsend's big-eared bat
Antrozous pallidus
pallid bat

MOLOSSIDAE - FREE-TAILED BATS¹

Tadarida brasiliensis
Brazilian free-tailed bat
Eumops perotis
western mastiff bat

LEPORIDAE - HARES & RABBITS

Sylvilagus audubonii c
desert cottontail
Lepus californicus c
black-tailed jackrabbit

SCIURIDAE - SQUIRRELS

Spermophilus beecheyi c
California ground squirrel

GEOMYIDAE - POCKET GOPHERS

Thomomys bottae u
Botta's pocket gopher

¹ The site is within the range of a number of bat species in several families, but it is unlikely that all are present. As their distribution varies according to season, and as the precise habitat requirements of each species are not well known, it is difficult to determine which species are present on the property.

HETEROMYIDAE - POCKET MICE & KANGAROO RATS**Abundance**

<u>Perognathus californicus</u> California pocket mouse	f
<u>Dipodomys agilis</u> Pacific kangaroo rat	u
<u>Dipodomys panamintinus</u> Panamint kangaroo rat	o
<u>Dipodomys merriami</u> Merriam's kangaroo rat	s
<u>Dipodomys deserti</u> desert kangaroo rat	u

CRICETIDAE - NEW WORLD RATS & MICE

<u>Reithrodontomys megalotis</u> western harvest mouse	c
<u>Peromyscus eremicus</u> cactus mouse	o
<u>Peromyscus californicus</u> California mouse	f
<u>Peromyscus maniculatus</u> deer mouse	f
<u>Peromyscus crinitus</u> canyon mouse	u
<u>Peromyscus boylii</u> brush mouse	u
<u>Peromyscus truei</u> pinyon mouse	u
<u>Onychomys torridus</u> southern grasshopper mouse	s
<u>Neotoma lepida</u> desert woodrat	f

MURIDAE - OLD WORLD RATS & MICE

* <u>Mus musculus</u> house mouse	f
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CANIDAE - WOLVES & FOXES

* <u>Canis familiaris</u> domestic dog	
<u>Canis latrans</u> coyote	c
<u>Urocyon cinereoargenteus</u> gray fox	u

PROCYONIDAE - RACCOONS

Abundance

Bassariscus astutus
ringtail

s

Procyon lotor
raccoon

u

MUSTELIDAE - WEASELS, SKUNKS & OTTERS

Mustela frenata
long-tailed weasel

u

Taxidea taxus
badger

s

Spilogale gracilis
western spotted skunk

f

Mephitis mephitis
striped skunk

f

FELIDAE - CATS

* Felis catus
domestic cat

Felis rufus
bobcat

o

CERVIDAE - DEERS

Odocoileus hemionus