PHASE I STUDY FOR THE LAS VIRGENES SIGNIFICANT ECOLOGICAL AREA NO. 6

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PHASE I REPORT FOR
LAS VIRGENES
SIGNIFICANT ECOLOGICAL AREA
(SEA NO. 6)

This report describes the current biological condition of the Las Virgenes Significant Ecological Area No. 6. It includes descriptions of the plant and wildlife communities based upon field surveys and review of other reports and information for the region. The report also includes information on ownership patterns within the Significant Ecological Area (SEA) and an evaluation of the original intent of the SEA designation and current activities within the SEA. A number of management measures and boundary changes for the SEA are suggested. All of the efforts were designed to provide a framework for preservation of the Las Virgenes SEA No. 6, and to furnish those proposing actions that would affect the SEA with a baseline analysis to guide their individual biological constraints analyses and mitigations.

I. INTRODUCTION

The Las Virgenes SEA No. 6 is located near the western edge of Los Angeles County (see Exhibit 1, Regional Vicinity Map). It is bordered on the west by Cornell and Kanan Roads and on the north by the US-101 and development in Agoura Hills, Liberty Canyon lies to the east (see Exhibit 2, SEA Boundary Map). There is some development to the south of the SEA consisting of residential and commercial buildings. The area to the east and southeast remains as open space, although there has been considerable development at Liberty Canyon. The SEA is located on the Calabasas and Thousand Oaks 7.5-minute series USGS topographic maps (within the Las Virgenes land grant and R18W; TIN Section 35). Aerial photographs and USGS topographic maps of the SEA No. 6 (at 1-inch equals 1,000 feet scale) are available at the Los Angeles County Regional Planning Department.

The Las Virgenes SEA is located on the north slope of the Santa Monica Mountains in the transition area between the Santa Monica Mountains and the Simi Hills to the north. It consists of generally east-west trending ridges and ravines. The SEA is separated from Malibu Creek State Park to the south by open space, and is separated from Triunfo Canyon to the west by development at Kanan Road.

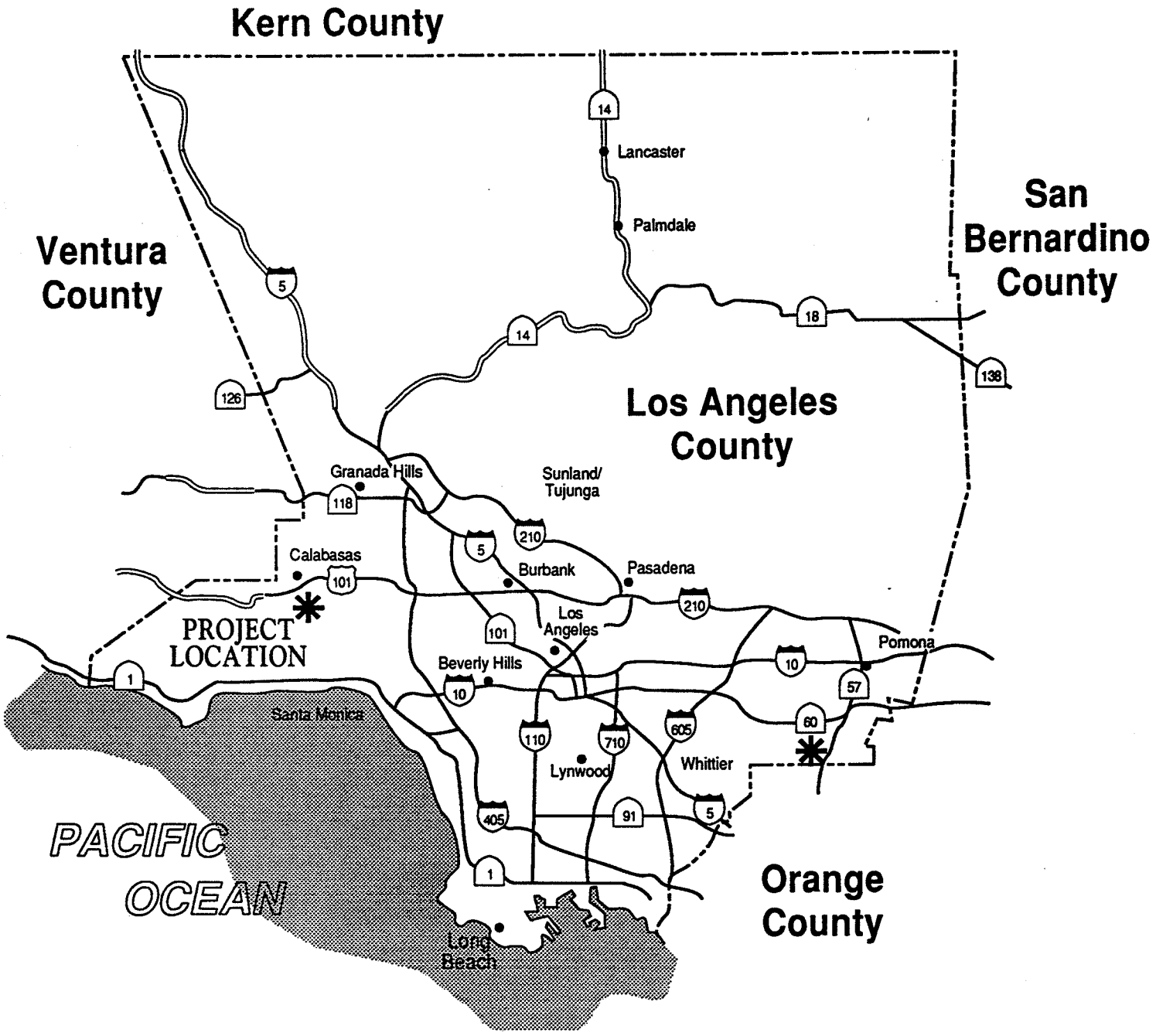
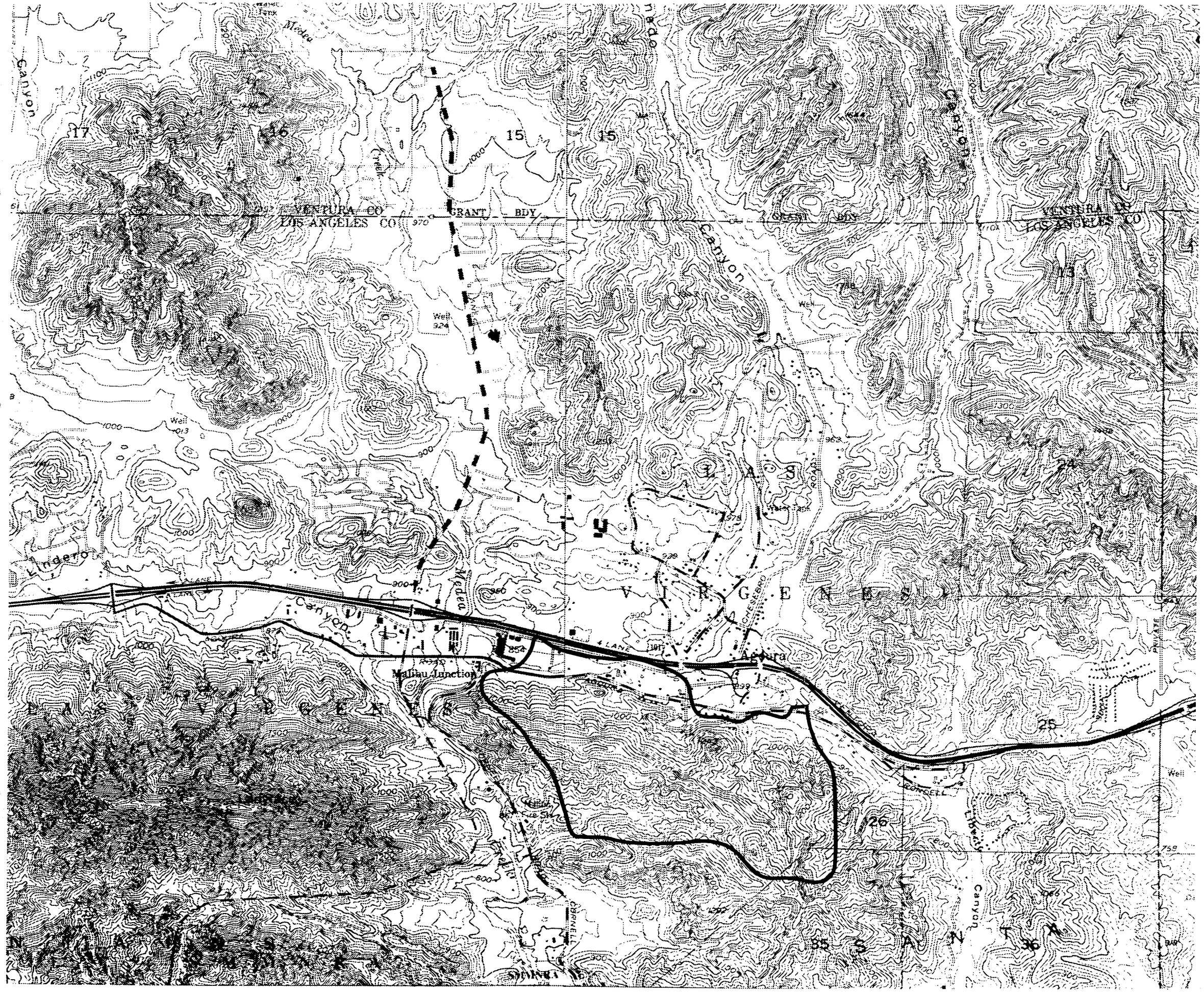


Exhibit **1**

Las Virgenes SEA No. 6
Regional Vicinity Map

NORTH



LEGEND

Significant Ecological Area

Exhibit **2**

Las Virgenes SEA No. 6

NORTH 0' 500' 1000' 1500'

According to England and Nelson (1976), the Las Virgenes SEA contains a number of plant species common to the interior of Southern California, but found nowhere else in the Santa Monica Mountains. The England and Nelson report indicates that the SEA supports California junipers (Juniperus californica), well outside of their normal range. Also common on the hillsides but found nowhere else in the Santa Monica Mountains is pine goldenbush (Haplopappus linearifolius), a plant characteristic of interior hillsides and the desert ranges. The butterfly mariposa lily (Calochortus venustus) is normally found in the interior coast ranges of Central California and occurs at its southern limit in the Las Virgenes SEA. The SEA is also the only site in the Santa Monica Mountains where Dudleya cymosa grows in full sun. Surrounding vegetation consists of mixed chaparral and coastal sage scrub. The SEA was relatively undisturbed and no significant development had occurred in 1976. There was one dirt road into the SEA.

England and Nelson (1976) recommended that there was no buffer zone required to protect the SEA because the resources discussed above would be adequately protected by the proposed boundaries. The SEA contains biotic resources that are of scientific interest because they are either an extreme in physical/geographical limitations, or they represent an unusual variation in a population or community. The SEA also includes areas that would provide for the preservation of relatively undisturbed examples of the natural biotic communities in Los Angeles County.

Compatible uses for the Las Virgenes SEA were to be limited to very low intensity recreational that includes passive uses such as a nature study, wildlife observation, photography, painting, sketching, and general outdoor activity (England and Nelson 1976). Average visits would be 1/2 to 2 hours, and collection of plants and animals would not be allowed (England and Nelson 1976). It was noted that precautions should be taken to prevent soil compaction around the base of the California junipers (England and Nelson 1976).

In addition, the Las Angeles County General Plan (1988) provides more specific planning guidelines for compatible uses, including low density residential development, restricted commercial uses, public and semi public uses essential to the maintenance of public health and safety, agricultural uses, and natural resources extraction via a conditional use permit consistent with protection of SEA resources.

II. METHODS

The existing biological conditions at the Las Virgenes SEA No. 6 are described below based on the results of field surveys, supplemented by review of documentation pertinent to the SEA and regional plant and wildlife distributions. Field surveys were conducted on foot and by vehicle where access was possible. Where access was prohibited, the SEA was surveyed with binoculars and review of the aerial photograph.

Plant community designations are derived from Holland (1986); the corresponding California Natural Diversity Data Base (CNDDB) codes are indicated after each plant 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 (1973) and Mattoni (1990) for butterflies; Jennings (1983) for amphibians and reptiles; the American Ornithologists' Union (1983 and supplements) for birds; and Jones et al. (1982) for mammals. Wildlife distributions were derived from the California Wildlife Habitat Relationships System (CWHRS 1990), Jennings (1983), Stebbins (1985), Garrett and Dunn (1981), Hall and Kelson (1981), Burt and Grossenheider (1976), Jones et al. (1982), Ingles (1965), and DeLisle et al. (1986).

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 for the SEA. The lot line data were mapped at a scale of 1-inch equals 1,000 feet. Analysis of the land ownership data for Las Virgenes SEA No. 6 indicates that 122 parcels are held by 53 owners. The names of the current landowners are given in the list of parcels (Appendix A). The locations of the parcels are shown on ownership maps available at the Los Angeles County Regional Planning Department. The majority of parcels are privately held. There are minor easements held by the County of Los Angeles Flood Control District, Las virgenes Municipal Water District, and California Department of General Services in areas adjacent to the SEA.

IV. EXISTING BIOLOGICAL RESOURCES

The descriptions of plant and wildlife communities below are intended to provide a general overview of the species encountered during the current and past surveys of the Las Virgenes SEA No. 6 and those that can reasonably be expected to occur in the SEA. This section also provides necessary natural history information for assessment of the biological resources in the area. A complete list of observed plant species and observed and expected wildlife species is provided in the Floral/Faunal Compendia (Appendix B).

PLANT COMMUNITIES

Chaparral (37000)

Three types of chaparral comprise the majority of the vegetation within the Las Virgenes SEA. Dense stands of scrub oak chaparral (37900) dominate the western part of the north-facing hillside below the main ridge of the SEA and the eastern part of the north-facing slope below the southern ridge of the SEA. This type of chaparral is dominated by scrub oak (Quercus dumosa) and birch-leaved mountain mahogany (Cercocarpus betuloides). Other common shrubs are chamise (Adenostoma fasciculatum), buck brush (Ceanothus cuneatus), toyon (Heteromeles arbutifolia), and sugarbush (Rhus ovata). The drier, north-facing slopes support chamise chaparral (37200). This community is composed of many of the same shrubs found in scrub oak chaparral but is clearly dominated by chamise that forms nearly pure stands in some areas. The chamise chaparral tends to be more open and lower growing than the scrub oak chaparral.

A third type of chaparral, coastal sage - chaparral scrub (37G00), contains elements of both chaparral and coastal sage scrub and is probably a post-fire successional community. Some areas of coastal sage - chaparral scrub had been mapped as chamise or scrub oak chaparral prior to the 1978 fire. Composition of this community varies from open chamise, California buckwheat (Eriogonum fasciculatum), coastal sagebrush (Artemisia californica), laurel sumac (Malosma laurina) associations, to nearly pure stands of purple sage (Salvia leucophylla) and mesa bushmallow (Malacothamnus fasciculatus). This community is typically open with a sparse cover of annuals. In the SEA, coastal sage - chaparral scrub is most common on south-facing slopes.

Valley and Foothill Grassland (42000)

The western end of the main canyon and parts of the north slope of the SEA largely support non-native grassland (42200). This community is dominated by introduced grasses and forbs such as wild oats (Avena sp.) and red-stemmed filaree (Erodium cicutarium). Scattered throughout the non-native grassland, especially on the northern slope, are of patches with a sparse cover of non-native annuals. These areas support vestiges of valley needlegrass grassland with needlegrass (Stipa sp.), and native wildflowers such as blue dicks (Dichelstoma pulchellum), golden stars (Bloomeria filifolia), and mariposa lilies (Calochortus sp.).

Small rock outcrops in the grassland on the upper half of the northern slope provide habitat for vegetation typical of more mesic sites such as ferns and lax dudleya (Dudleya cymosa).

Coast Live Oak Woodland (71160)

Coast live oak woodland occurs along the base and up the small drainages of the northern slope of the SEA. This community is dominated by coast live oak (Quercus agrifolia) but also contains valley oak (Quercus lobota). The valley oak occurs as scattered individuals on open, grass-covered hillsides and on the level areas near Agoura Road. Many of the oaks of both species are of substantial size and age. The understory of the coast live oaks is largely comprised of shrubs typical of the surrounding chaparral.

WILDLIFE

Determination of the potential occurrence of wildlife species in an area can be reasonably predicted from knowledge of the vegetation and drainage patterns, although many wildlife species are not restricted to one community and may occur throughout all habitats at some time. This is especially true of habitats with similar plant species composition and vegetation structure, or communities that provide resources not available in all habitats in the area. A comparison of the wildlife abundance and diversity between habitat types would show that woodland habitats support more wildlife species than adjacent drier shrub habitats. A complete listing of all wildlife species observed and expected to occur in the SEA is included in the Faunal Compendium (Appendix B).

Amphibians and Reptiles

The absence of perennial or semi-permanent water sources, lack of riparian habitat, and the low diversity of vegetation structural features in the Las Virgenes SEA does not provide many opportunities for amphibians. The most common amphibian species in the SEA are the black-bellied salamander (Batrachoseps nigriventris) and western toad (Bufo boreas). Less common but possibly occurring in the SEA are the Pacific slender salamander (Batrachoseps pacificus), arboreal salamander (Aneides lugubris), ensatina (Ensatina eschscholtzi), and Pacific tree frog (Hyla regilla).

Reptile species are expected to be more diverse and abundant in the SEA because of their adaptations to the more xeric conditions found in non-native grasslands, chaparral, and coastal sage scrub habitats. Some reptiles also benefit from the presence of oak woodlands. Typical reptile species in the SEA include western fence lizard (Sceloporus occidentalis), side-blotched lizard (Uta stansburiana), western skink (Eumeces skiltonianus), southern alligator lizard (Gerrhonotus multicarinatus), striped racer (Masticophis lateralis), coachwhip (Masticophis flagellum), gopher snake (Pituophis melanoleucus), and western rattlesnake (Crotalus viridis).

Less common reptiles in the SEA are associated with specific habitat types, such as oak woodlands or grasslands. Those that may occur in the Las Virgenes SEA No. 6 in drier shrub or grassland habitats include the coast horned lizard (Phrynosoma coronatum) and western whiptail (Cnemidophorus tigris). Oak woodlands may support the common kingsnake (Lampropeltis getulus), night snake (Hypsiglena torquata), and California mountain kingsnake (Lampropeltis zonata).

Birds

The bird species in the chaparral and coastal sage scrub habitats in the Las Virgenes SEA occurring as permanent, year-round residents include the California quail (Callipepla californica), mourning dove (Zenaida macroura), greater roadrunner (Geococcyx californianus), Anna's hummingbird (Calypte anna), scrub jay (Aphelocoma coerulescens), common raven (Corvus corax), bushtit (Psaltriparus minimus), blue-gray gnatcatcher (Polioptila caerulea), wrentit (Chamaea fasciata), California thrasher (Toxostoma redivivum), orange-crowned warbler (Vermivora celata), rufous-sided towhee (Pipilo erythrophthalmus), California towhee (Pipilo crissalis), lark sparrow

(Chondestes grammacus), and house finch (Carpodacus mexicanus). Notable observations during MBA surveys include a green-tailed towhee (Pipilo chlorurus) that is an uncommon vagrant along the coast of Southern California in the fall; and the lack of Bewick's wren (Thryomanes bewickii) observations that would have been expected regularly in the shrub habitats in the SEA.

Oak woodlands in the SEA support several permanent resident bird species, such as red-tailed hawk (Buteo jamaicensis), American kestrel (Falco sparverius), great horned owl (Bubo virginianus), acorn woodpecker (Melanerpes formicivorus), Nuttall's woodpecker (Picoides nuttallii), plain titmouse (Parus inornatus), house wren (Troglodytes aedon), and Hutton's vireo (Vireo huttoni).

A number of transient species migrating through the area, summer residents that spend the winter to the south, and winter visitors that appear in larger numbers outside of the breeding season increase the number of bird species that are expected to occur in the Las Virgenes SEA. The combination of chaparral, coastal sage scrub, non-native grasslands, and especially oak woodlands in the Las Virgenes SEA are likely to attract to large number of migratory birds. These species may include Cooper's and sharp-shinned hawks (Accipiter cooperi and A. striatus), common poorwill (Phalaenoptilus nuttallii), black-chinned hummingbird (Archilochus alexandri), Allen's hummingbird (Selasphorus sasin), western wood-peewee (Contopus sordidulus), Pacific-slope flycatcher (Empidonax difficilis), several swallow species, ruby-crowned kinglet (Regulus calendula), hermit thrush (Catharus guttatus), warbling vireo (Vireo gilvus), yellow-rumped warbler (Dendroica coronata) and several other warbler species, black-headed grosbeak (Pheucticus melanocephalus), golden-crowned and white-crowned sparrows (Zonotrichia atricapilla and Z. leucophrys), dark-eyed junco (Junco hyemalis), and hooded and northern orioles (Icterus cucullatus and I. galbula).

Mammals

The lack of a water source decreases the suitability of the Las Virgenes SEA No. 6 for a diverse mammal community. However, the natural drainage and ridgelines associated with the Las Virgenes SEA and the proximity to known movement corridors in Liberty Canyon (Edelman 1990) creates opportunities for the movement of large mammals through the region. Also, the diversity of habitats and transitions from non-native grasslands to shrub communities to oak woodlands contributes to the number of mammals that occur.

Mammals typical of the chaparral and coastal sage scrub communities in the SEA include desert cottontail (Sylvilagus audubonii), California ground squirrel (Spermophilus beecheyi), California pocket mouse (Perognathus californicus), Pacific kangaroo rat (Dipodomys agilis), western harvest mouse (Rheithrodontomys megalotis), deer mouse (Peromyscus maniculatus), California mouse (Peromyscus californicus), brush mouse (Peromyscus boylei), dusky-footed woodrat (Neotoma fuscipes), and coyote (Canis latrans).

The oak woodlands in the SEA support a number of medium to large mammals, and several others that rely on the deeper soils and leaf litter. The larger mammals expected to occur include Virginia opossum (Didelphis virginiana), gray fox (Urocyon cinereoargenteus), raccoon (Procyon lotor), striped skunk (Mephitis mephitis), bobcat (Felis rufus), and mule deer (Odocoileus hemionus). The SEA may also support one or more mountain lions (Felis concolor) that are heavily reliant on the availability of habitat linkages to maintain their home range needs. Other mammals expected to be heavily dependent upon the woodlands include ornate shrew (Sorex ornatus), Yuma myotis (Myotis yumanensis), brush rabbit (Sylvilagus bachmani), Botta's pocket gopher (Thomomys bottae), and long-tailed weasel (Mustela frenata).

SENSITIVE SPECIES

This section describes the plant and wildlife species present or potentially occurring in the Las Virgenes SEA No. 6 that have been afforded special recognition by federal, state, and local resource 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 CNDDB data for the Calabasas and Thousand Oaks USGS quadrangles. This was supplemented by review of the following sources:

- **Plants.** USFWS (1990), CDFG (1990), CNDDB (1991), CNPS (1988), McAuley (1985).
- **Wildlife.** CWHRS (1990), USFWS (1990), CDFG (1990), CNDDB (1991), Williams (1986), Remsen (1978).

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

Sensitive Plant Species

Lyon's pentachaeta (Pentachaeta lyonii) is a federal Category 1 candidate for listing as endangered or threatened and a state-listed endangered species. This annual member of the sunflower family generally occurs in grassy openings in chaparral. The range of this species formerly included coastal Los Angeles to the Santa Susana Mountains and Santa Catalina Island. There are approximately thirteen reported extant populations of this species, primarily in the Santa Monica Mountains.

Although none have been reported from the SEA, the Las Virgenes SEA does possess potential habitat for Lyon's pentachaeta. Any projects proposed for this SEA should include focused surveys in the appropriate season for this species.

Braunton's milkvetch (Astragalus brauntonii) is a federal Category 2 candidate for listing as threatened or endangered. Braunton's milkvetch occurs in a variety of habitats, usually appearing after a fire or other disturbance. It is often associated with calcareous soils. The range of this species includes the northern end of the Santa Ana Mountains to the southern foothills of the San Gabriel Mountains, the Santa Monica Mountains, and the Simi Hills.

Braunton's milkvetch has not been reported from the Las Virgenes SEA. However, as a fire-follower, the species is only apparent under certain conditions. Given the right conditions, Braunton's milkvetch may occur in the Las Virgenes SEA. Any projects proposed for this SEA should include focused, in season surveys for this species.

The **Santa Susana tarweed** is a federal Category 2 candidate for listing as threatened or endangered and a state-listed rare species. This species occurs on rock outcrops in the Simi Hills, and the Santa Susana and Santa Monica Mountains.

The Santa Susana tarweed has not been reported from the Las Virgenes SEA. As it is easily recognized when in bloom, it is likely that, if it occurred in the SEA, it would have been reported. Nevertheless, any projects proposed for this SEA should include focused, in season surveys for this species.

Sensitive Wildlife Species

The **Santa Monica Mountains band-winged grasshopper** (Trimerotropis occidentaloides) is an insect species endemic to the Santa Monica Mountains. This species is not presently included on federal or state sensitive species lists. It is included here because it is vulnerable to extirpations and extinction because of its limited range and distribution. The band-winged grasshopper is diurnal, being active from June to September. It is found in low grass and on bare soil on hillsides, ridges, and dirt roads, along trails within chaparral, and possibly within coastal sage scrub. This species was discovered near Thousand Oaks on the northeastern part of the Santa Monica Mountains, and it has also been located in the southern mountains near Potrero Road.

The roads, trails, low grasses, and hilltops provide patchy habitat for the Santa Monica Mountains band-winged grasshopper within the Las Virgenes SEA and this species may occur in the SEA. However, because it has no official status, focused surveys for the band-winged grasshopper would not be required for future projects in the SEA.

The **San Diego horned lizard** (Phrynosoma coronatum blainvillei) is a USFWS Category 2 Candidate for listing as endangered or threatened. The decline of this species, that was once common throughout coastal Southern California, is attributable to loss of habitat and over-collection for the pet and curio trades (McGurty 1980). The San Diego horned lizard prefers sandy soils in open areas within chaparral and coastal sage scrub. It is strongly associated with its preferred prey, harvester ants of the genus Pogonomyrmex. Often, the most visible sign of the horned lizard's presence is observation of distinctive scat near harvester ant mounds.

The CNDDB (1991) lists several records of the San Diego horned lizard for the region. There are discrepancies between the CNDDB records and the observations of DeLisle et al. (1986). The latter lists a different subspecies for the Santa Monica Mountains, namely the California horned lizard (P. c. frontale), and does not list the San Diego horned lizard. There is some debate between herpetologists as to whether or not the two are separable, and there is much evidence of intermediate forms where the subspecies' ranges overlap, indicating interbreeding. For this report, it is assumed that the horned lizard in the SEA will be the San Diego variety.

A horned lizard was observed during recent surveys of the Las Virgenes SEA, and there is suitable habitat, especially in the coastal sage scrub areas and grasslands immediately adjacent to the shrub

habitat. Any projects proposed for this SEA should include focused surveys for the San Diego horned lizard for this species during the warm months, April to October.

The **San Diego mountain kingsnake** (Lampropeltis zonata pulchra) is a federal Category 2 Candidate and a California Species of Special Concern. It occurs throughout the Sierra Nevada and scattered localities in the coast ranges across the entire length of the state, and in the San Bernardino, San Jacinto, and San Gabriel Mountains in Southern California. It ranges from near sea level to near 8,000 feet in the vicinity of water sources near shrub or woodland habitats. Declines in populations of the San Diego mountain kingsnake may be attributed to overcollecting and habitat conversion.

DeLisle et al. (1986) list this species as moderately common in the Santa Monica Mountains. There are records in the DeLisle et al. study from Cornell Road, that borders the western edge of the Las Virgenes SEA. The habitat within the SEA indicates that this species is expected to occur. Focused surveys should be conducted during May to determine the status of the San Diego mountain kingsnake in the Las Virgenes SEA as part of the biological constraints analyses for all future proposed projects.

The Las Virgenes SEA No. 6 is not expected to support any sensitive bird species during their breeding season. There are several that may use the area during migration in fall or spring, or as winter visitors from breeding grounds elsewhere within their range. While the SEA may not be considered vital for the successful nesting of any sensitive bird species, the area's importance as wintering habitat or a migratory stop should not be overlooked.

Two raptors likely to be seen in the SEA in winter are the **sharp-shinned and Cooper's hawks** (Accipiter striatus and A. cooperii). Both of these birds are California Species of Special Concern. There are some breeding pairs of Cooper's hawks in Southern California, but the sharp-shinned hawk is known to nest mostly in the Sierra Nevada and the northern part of the state (Garrett and Dunn 1981; CWHRS 1990). Both of these species prefer, but are not restricted to, riparian habitat. They are forest hawks, preying on small birds and occasionally rodents, amphibians, reptiles, and insects.

These species are expected to occur in the Las Virgenes SEA No. 6 as winter visitors and transients during migration. One sharp-shinned hawk was observed during MBA surveys of the

SEA in Fall 1991. However, neither species is expected to nest in the SEA. The presence of open shrub and grassland foraging habitats adjacent to oak woodlands increases the value of the SEA to the sharp-shinned and Cooper's hawks, and the area is likely to be used by these species during winter and in spring and fall migration.

The **northern harrier** (Elanus caeruleus) is a California Species of Special Concern. It occurs throughout most of California, except in the Sierra Nevada and the northern Coast Range. Breeding areas are found in the Central Valley, along the central and north coast, in the extreme northeast corner of the state, in the Owens Valley, and a few scattered location in Southern California. Most of the harriers occurring in Southern California are winter visitors. The harrier prefers meadows, grasslands, open rangelands, and emergent wetlands for foraging and nesting. Declines are due to extensive agricultural practices, loss of wetland habitat and native grassland, and plowing and burning of fields early in the harriers' nesting cycles (Remsen 1978).

One northern harrier was observed over the Las Virgenes SEA in the Fall 1991. It is likely that the species occurs in the SEA as a winter visitor or a transient during migration. Nesting in the SEA by northern harriers is not expected. The SEA may be important as foraging habitat, and becomes more important as adjacent areas are developed.

The **black-shouldered kite** (Elanus caeruleus) is a Fully Protected species in California, a designation given prior to enactment of the state endangered species act. Black-shouldered kite populations had declined to very low levels early in the century but had risen between 1960 and 1975 (Remsen 1978). Numbers have leveled off recently and there have been several fluctuations in populations since the mid-70's, along with a possible geographic range expansion to the north and east. The variability in population sizes indicates that the kite numbers have not returned to normal since their decline last century. The black-shouldered kite feeds on rodents and large insects that it hunts in open grassland and sometimes over freeway dividers. It nests in trees in a variety of habitats, but winter roosts (of up to 100 birds) usually occur in trees rooted in marshlands (CWHRS 1990).

The black-shouldered kite is fairly common in the region during winter. There is minimal suitable nesting habitat within the SEA (oak woodlands) and it may forage over the open fields during winter. It is likely that the kite occurs in the SEA during most seasons and could nest within the

area. The kite is more likely to occur as a winter visitor as birds wander away from normal breeding areas.

The **prairie falcon** (Falco mexicanus) is a California Species of Special Concern. It is a permanent resident of desert areas, and it avoids higher elevations in the Sierra Nevada and northwestern California (CWHRS 1990). The prairie falcon is associated with grasslands and agricultural fields where it forages for ground squirrels and other small mammals. It avoids dense forests and nests on open, rocky cliff faces.

The prairie falcon is not expected to nest in the area because the SEA is out of its normal breeding range and there are no suitable nest sites. Records for the prairie falcon in the Santa Monica Mountains are most likely winter visitors, as the prairie falcon exhibits some local migration from the desert to more coastal areas. The SEA is not expected to be important to this species, although occasional sightings are likely to occur.

The **yellow warbler** (Dendroica petechia) is a California Species of Special Concern. It is strictly a summer resident throughout most of its range in California, however, some individuals spend the winter in several localities along the Southern California coast and Colorado River (Garrett and Dunn 1981). It breeds in riparian woodlands from sea level to 8,500 feet elevation. Breeding pairs in the lowlands, especially along the coast, have declined dramatically in recent years, most likely due to nest parasitism by brown-headed cowbirds and loss of habitat (CWHRS 1990).

The yellow warbler is expected to occur in the SEA in oak woodlands. Nesting in the SEA is not expected because the yellow warbler prefers riparian woodlands with a dense, brushy understory for breeding. The SEA does not support this type of vegetation. The SEA may be important as a migratory rest stop.

The **greater mastiff bat** (Eumops perotis californicus) is a federal Category 2 Candidate and a California Species of Special Concern. Its range extends from Butte County south through the Southern California coastal mountains and portions of the southeast desert region. The mastiff bat favors rugged, rocky areas at low elevations in the coastal basins where there are suitable roost sites. Roost site characteristics for this species are very specific and must include crevices that open downward, and are at least 5 cm wide and 30 cm deep (Burt and Grossenheider 1976).

The Las Virgenes SEA No. 6 is within the range of the greater mastiff bat but does not contain rocky cliffs necessary for suitable roost sites. The greater mastiff bat is expected to occur in the Las Virgenes SEA during foraging bouts from nearby roost sites elsewhere in the Santa Monica Mountains.

Townsend's big-eared bat (Plecotus townsendi) is a California Species of Special Concern. The subspecies (P. t. townsendi) is also a federal Category 2 Candidate, but it occurs in the humid north and central portions of the state and is not expected to occur in the SEA. The other subspecies in California (P. t. pallescens) is expected to occur in the SEA. It is found in a number of habitats, from deserts and grasslands to coniferous forests (CWHRS 1990). Favored roost sites are found in limestone caves, mine tunnels, and abandoned buildings.

The Townsend's big-eared bat is particularly susceptible to human disturbance, and will often abandon a roost site after one visit by humans (Ingles 1965). Recent surveys in California have revealed that the species has abandoned many former roost sites and its current status is uncertain (Williams 1986). There is apparently moderate human activity in the Las Virgenes SEA due to the proximity of several large roads and increasing residential developments. It is likely that the Townsend's big-eared bat still occurs in the SEA during foraging, but it is unlikely that suitable roost sites could be found.

WILDLIFE MOVEMENT

The issue of wildlife movement corridors, or habitat linkages, is of special importance to researchers in the Santa Monica Mountains (Edelman 1990). Most of this concern is for continuing connections between large, contiguous areas of open space remaining in the Santa Monica, Santa Susana, and San Gabriel Mountains through the Simi Hills. If animals are not able to travel between patches of suitable habitat, the likelihood of local extinctions increases. Fire or other disturbances may extirpate some species from a given area, especially large mammals, if there are no opportunities for finding or reaching refuge nearby. Also, the isolation of patches of habitat without connection to other open space promotes inbreeding among populations that, in turn, lowers fecundity and may ultimately result in population declines.

The Las Virgenes SEA No. 6 is just west of Liberty Canyon that is recognized as one the areas most suitable for creation of a freeway underpass to enhance wildlife movement between the

Santa Monica Mountains and Simi Hills (Edelman 1990). The region supports extensive, undisturbed natural habitat due to efforts to preserve the Santa Monica Mountains by the Santa Monica Mountains Conservancy, the National Park Service, and local interest groups. In addition, the recent agreement between Ahmanson Land Company, Potomac Investment Corporation, and Bob Hope to combine proposed development projects may include dedication of several thousand acres of land in Liberty and Palo Comado Canyons to the Santa Monica Mountains National Park. These two canyons currently border Santa Monica Mountains National Recreation Area land in Cheseboro Canyon. It is likely that wildlife movement through the Las Virgenes SEA to Liberty, Cheseboro, and Palo Comado Canyons and elsewhere in the Santa Monica Mountains could be important for the connection between the Santa Monica Mountains and Simi Hills.

V. DEVELOPMENT PRESSURE ANALYSIS

The annexation of SEAs into newly incorporated cities within the County has led to removal of many of the original 62 SEAs identified in England and Nelson (1976). Following annexation, the SEAs are no longer afforded protection to the Los Angeles County General Plan. In addition, projects proposed within the SEA are no longer subject to review by the Los Angeles County SEA Technical Advisory Committee. Annexation poses a major threat to the continued protection of the SEAs unless the City which annexes the SEA provides the same level of planning guidelines for the SEA to protect the designated resources. As more cities achieve incorporation, unique biological resources within the County could be impacted. Suggestions for managing this situation are provided in the section on Management Measures.

VI. RECOMMENDATIONS FOR FUTURE MANAGEMENT OF THE LAS VIRGENES SEA NO. 6

The England and Nelson (1976) report indicated that the original designation of the Las Virgenes SEA was intended to preserve a unique assemblage of plant species, some of that are found nowhere else in the region. Current uses of the SEA are not clear, but access to the SEA for human traffic is not restricted. The proximity of several housing tracts and large roads indicate that this human traffic may be fairly high. There is some evidence of past cattle grazing, although no grazing animals could be seen and it was apparent that grazing had not occurred for some time. The presence of large areas of non-native grasslands indicate repeated disturbance of portions of the SEA, whether from grazing or frequent fires.

The Los Angeles County General Plan (1988) revises the compatible use definition. While it retains the essence of England and Nelson (1976), it goes further in stating that reasonable use of privately held lands within SEAs cannot be precluded without just compensation to the landowner. Instead, 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. 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.).

SUGGESTIONS FOR SEA BOUNDARY RECONFIGURATION

The western and northern boundaries of the SEA are restricted by development, major roads, and US-101. Expansion of the SEA in these directions would not be beneficial. Most opportunity for expansion of the SEA would be to the east and southeast where the SEA abuts relatively undisturbed open space. While these areas may not share the unique plant species originally cited in the intent of the SEA designation (England and Nelson 1976), there is opportunity to expand the function of the SEA for maintaining biological diversity.

There are several advantages to expanding the Las Virgenes SEA to the east and southeast. The first advantage would be that with eastward expansion, the SEA could incorporate the possible freeway underpass for wildlife identified by Edelman (1990) at Liberty Canyon, thus providing additional review of projects and perhaps more protection for this resource (Exhibit 2). Also, this may encourage the development of the underpass to connect with dedicated open space related to the Ahmanson Land Company/Potomac Investments/Bob Hope cooperative project. Expansion of the SEA to the southeast would allow connection to dedicated open space in Malibu Creek State Park (Exhibit 2). This would effectively enlarge the functional habitat of the SEA. In combination, the enlargement of the SEA with Malibu Creek State Park and connection with the optimal wildlife tunnel site at Liberty Canyon could enhance the movement of wildlife in the region and promote biological diversity.

COMPATIBLE MANAGEMENT MEASURES

The following section describes potential management measures that may avoid, compensate for, or minimize impacts to biological resources within the Las Virgenes SEA No. 6. These measures are designed to enhance the quality of the existing SEA and ensure that future actions within the SEA do not significantly diminish the quality of the biological resources. These measures are not intended to be comprehensive, but provide a general approach that addresses the immediate needs of the Las Virgenes SEA No. 6.

Measure to Minimize the Effects of Annexation of the SEA

Annexation of SEAs into newly incorporated cities provides an opportunity for development of the SEA inconsistent to the unique biological resources currently protected by the County. When possible, SEAs to be included in an incorporation should be eliminated from the sphere of influence proposed. Otherwise, in the approval process for incorporation and decisions on boundaries for cities seeking incorporation, the County should undertake coordination with LAFCO to require that any SEAs within the proposed sphere of influence should remain, as much as possible, within the control of the County unless the city agrees that the SEA(s) affected will be afforded protection similar to that currently provided by the SEATAC review process. Upon annexation into a City jurisdiction, the County could make provisions to provide planning guidance to the City staff consistent with continued protection of the SEA resource. Based on the County's expertise pursuant to the SEAs, the County should provide review and comments on City lead agency CEQA documents that affect previously designated County SEAs.

Measure to Minimize Development Pressures Within the SEA

In cases where one owner holds several parcels within the SEA, development density transfers may be a viable option. Parcels that are zoned for low densities may be allowed higher densities of development, if such higher densities would not affect the quality of biological resources in the Las Virgenes SEA, in exchange for donation of more sensitive parcels to the County or another resource conservation agency. A suitable ratio for such an exchange would be 2:1 -- one parcel of higher density development for two preserved parcels in mitigation. Such density transfers would likely be subject to review by County supervisors.

Measures to Provide for Long-term Preservation of the Las Virgenes SEA No. 6

One of the options for mitigation of impacts to biological resources from development is offsite preservation of habitat. The regional loss of open space, that is often identified as an unavoidable adverse impact for large developments, has few other options if the project is to proceed as planned. There are many opportunities to use the Las Virgenes SEA as a mitigation bank for projects elsewhere in the County. Offsite mitigation efforts that could be performed in the SEA include revegetation, restoration, land purchase, and preservation.

In addition to preservation of the existing SEA, the suggested expansion areas for connecting the SEA to the Liberty Canyon wildlife corridor and Malibu Creek State Park should be considered. Parcels within the suggested boundary adjustments could be purchased as mitigation in exchange for development of less sensitive parcels within the SEA or some other area within the County.

Measures to Preserve Oak Woodlands

The Los Angeles County Oak Tree Preservation Ordinance was enacted to prevent the loss of native oaks of the genus Quercus. The preservation of these trees is often mitigated through replacement of trees to be lost to a development at a ratio greater than 1:1. While this replacement may compensate for the loss of individual trees, in most cases it does not replace the valuable habitat that is removed. Avoidance of impacts to the oak woodlands should be the preferred measure to preserve this habitat. Projects that will remove large areas of oak woodlands should be redesigned or restricted to avoid mature oak woodlands and understory resources. For projects that cannot avoid impacts to oak woodlands, adequate compensation should include replacement of trees as required under the oak tree ordinance and contribution to preservation of suitable habitat elsewhere in the Las Virgenes SEA. Any proposed project that could potentially affect mature oak trees must prepare an oak tree report in accordance with Los Angeles County Code, Title 22, Sections 22.56.2050 through 22.56.2140.

The following techniques to stimulate the natural regeneration of oak seedlings on the site and encouraging the reestablishment of native grasses should be implemented:

- Once native grasses are established they will require periodic, intensive maintenance to remove the accumulated thatch. Thatch buildup reduces water

infiltration and tends to constrict the growth of native grasses. Thatch buildup can be eliminated with the use of a dethatching device or rake.

- Soil inoculation. Beneficial fungi help oaks survive times of water stress and allow uptake of nutrients in poor soils. These fungi attach to the roots of host species, but do not tend to survive in areas of nonhost species such as annual grasslands. Treatment would consist of inoculating oak regeneration sites with commercially available fungi and other beneficial organisms, and it is strongly recommended for areas where soils are poor and the population of nonhost species is high.

- Natural oak regeneration should be supplemented with the planting of germinated acorns, grown from oaks collected onsite. Areas particularly favorable for planting include north-facing slopes, deep soils, swales, or other areas with subsurface water. Planting locations would be augured to enhance root development, and plantings should be temporarily caged to prevent rodent damage. Site surveys would be necessary to determine specific planting number and locations.

- Deadwood/leaf litter removal. Deadwood should not be removed, except for fire management purposes, as logs and branches provide valuable microhabitats for invertebrates, reptiles, small mammals, and birds. In addition, the decomposition of deadwood and leaf litter is essential for the replenishment of the soil's nutrients and minerals.

- Pruning. Pruning or clearing of native trees and shrubs should be avoided, except near residential areas for fuel modification purposes, as dense understory and canopy provide necessary wildlife habitat.

- Fertilizers/Pesticides. Neither fertilizers nor pesticides should be used in the open space areas. Fertilizers are unnecessary for the successful growth of native species and promote excessive weed growth. Pesticides are undesirable as they can have long-term adverse effects on the ecosystem.

- Weed Control. Weed control within the natural open space areas should be limited. For the most part, the existing oak understory is dominated by introduced grasses along with many annual native species. These annual grasses are providing erosion control and should not be removed. Persistent invasive species, such as thistles and mustard should be selectively eliminated through the use of such weed control methods as mechanical clearing, mowing, and the use of nonresidual herbicides.

  The primary method of weed eradication that should be used within the natural open space area is mowing. Mowing should be performed twice yearly, in early spring and summer, for fire control, weed control, and to stimulate the growth of native bunchgrasses.

  In areas where there are problem weeds, the area should first be cleared of existing non-native species during the early spring, irrigated frequently so as to germinate weed seeds, then mowed in late spring/early summer before the seeds mature. All mechanical weed removal activities should take place 5 feet outside

of the dripline of any oak tree so as to avoid damage to existing oaks and oak seedlings. Any weed removal within 5 feet of the dripline of any oak should be done by hand.

Herbicides could be used in the existing habitats only if nonchemical means of weed removal are not successful and control is considered to be of greater benefit than leaving the site as is. Selective spraying with appropriate, nonresidual herbicides should be conducted by a weed control specialist under direction of a qualified biologist.

Fuel Modification Program

The fuel modification plans for areas in and adjacent to the Las Virgenes SEA No. 6 would be developed to integrate measures for the protection of structures from fire hazard conditions with the use and management of native plant species and compatible drought-tolerant plants for fire protection. The use of nonvolatile native species and compatible drought-tolerant species would also serve as a natural buffer and transition between residential areas and natural open space. The fuel modification program should include a transition area between a development and open space. Typically, the area is split into three zones that vary the degree of thinning, removal, revegetation, and irrigation.

General guidelines that apply to all three zones include: (1) the retention of nonvolatile native plant species within natural open space areas, including oaks; and (2) the replacement of volatile native plant species with nonvolatile native and drought-tolerant plant species within fuel modification areas. The actual widths of the three zones within the fuel modification area would vary according to slope conditions, degree of irrigation, and existing vegetation.

Additionally, development should strongly encourage the use of nonvolatile drought-tolerant and native plant species within development areas and strongly discourage the use of invasive, non-native plant materials such as pampas grass (Cortaderia sellowiana), fountain grass (Pennisetum spp.), ice plant (Delosperma spp.), periwinkle (Vinca major), trailing lantana (Lantana camara), German ivy (Senecio mikaniodes), Spanish broom (Spartium junceum), French broom (Genista monspessulanus), blue gum (Eucalyptus globulus), Brazilian pepper tree (Schinus terebenthifolius), California pepper tree (Schinus molle), and tree of heaven (Ailanthus altissima) in areas outside the development edge of rural residential areas.

Potential guidelines pertaining to each of the three fuel modification zones are presented below:

- **Zone 1.** The first fuel modification zone is normally used to establish the maximum fire prevention area that will receive the most extensive thinning and removal of flammable vegetation. This area is immediately adjacent to the development and can be planted in fire-retardant low groundcover plants and trees that receive regular irrigation. Low volume irrigation systems can be used in order to prevent saturated conditions in natural areas downslope. Jute netting may be required on the slopes in this zone to prevent erosion until the plants are established.

- **Zone 2.** This zone is often within the areas disturbed by project grading but may extend into natural open space areas. The volume of vegetation is often greatly reduced and low fuel volume native plants will be established by seed or from containers. This zone normally receives periodic thinning to maintain low fuel levels. In addition, invasive grasses are cleared. Existing oaks within this zone will be retained, although some thinning and dead wood removal will be necessary to reduce fuel load.

- **Zone 3.** Native vegetation furthest away from development should be selectively thinned, removing highly flammable plant species such as California sagebrush, California buckwheat, sages, and deadwood so that the structure of the vegetation is open but the soil is not exposed to erosion. If large volumes of vegetation are removed, the area would normally be replanted with low fuel volume native plants and compatible drought-tolerant species that would stabilize the soil (i.e., toyon, laurel sumac, oak).

Management Measures for the Urban/Natural Interface

The following guidelines pertain to the transition areas between the Las Virgenes SEA and residential and other development sites:

- **Buffer Zone.** Successful integration of wildlife habitat into development depends on proper buffering at the interface of these two areas. Development often results in an edge condition where residential lots are located adjacent to areas of natural open space. A conceptual buffer plan using native plant species has been developed for the management of this edge condition. This buffer will limit potential impacts to the natural areas by screening development from wildlife, capturing excess runoff from landscape irrigation that could potentially injure sensitive plants, and providing an edge along residential lots that is aesthetically pleasing while providing many plant species that are valuable to wildlife. This edge should be designed so that it may be integrated into a fuel modification plan for the development that meets all of the requirements of the Los Angeles County Fire Department.

Native plants recommended for this buffer include more mesic species such as toyon (Heteromeles arbutifolia), elderberry (Sambucus mexicana), California lilac (Ceanothus spp.), squaw bush (Rhus trilobata), coffeeberry (Rhamnus californica), and dwarf coyote bush (Baccharis pilularis).

Additional native plant species that are low growing and of low fuel volume, and would not impede views into natural areas, could also be used. These include golden yarrow (Eriophyllum confertiflorum), California poppy (Eschscholzia californica), monkey flower (Diplacus spp.), penstemon (Penstemon spp.), California fuchsia (Epilobium spp.), deerweed (Lotus scoparius), wooly blue curls (Trichostema lanatum), and annual lupine (Lupinus spp.). This zone should be periodically thinned to maintain low fuel levels, as well as cleared of invasive grasses.

- **Signage**. Signs should be located in appropriate areas so as to discourage human intrusion into the SEA.

- **Night Lighting**. Night lights near residential areas should be directed away from the SEA so as not to disrupt nocturnal wildlife activity.

- **Fencing**. Fencing should be used where residential lots abut natural areas to discourage human intrusion into the SEA.

Measures to Preserve Wildlife Movement

The preservation of the Las Virgenes SEA should contribute to maintaining wildlife movement through Liberty Canyon, between the Santa Monica Mountain Mountains and Simi Hills. The SEA currently contains a variety of topography and habitat types to encourage animal movement through the area. Also, the SEA may serve as a refuge for animals that may take generations to traverse connections between habitat due to low mobility (such as rodents and reptiles). Loss of hillside vegetation to piecemeal developments and large projects that alter the habitat or increase human intrusion should be avoided. Other management measures outlined in this section to preserve, restore, or enhance existing habitat will aid the maintenance of the wildlife movement corridor.

The SEA boundary adjustments suggested earlier in this report would significantly increase the value of the Las Virgenes SEA to the Liberty Canyon wildlife movement area and the National Recreational Area dedication lands proposed under the agreement between the Ahmanson Land Company, Potomac Investments, and Bob Hope. The combination of the SEA expansion and the proposed dedications would enlarge the preserved or protected open space in the area, and would provide further protection and review of projects that could potentially diminish the function of

the Liberty Canyon underpass as proposed by Edelman (1990). All of the areas surrounding the SEA are threatened by commercial and residential developments, as indicated by changes in the area since the England and Nelson report (1976). Acquisition of the parcels within the SEA expansion could be obtained, in part, through mitigation for other projects within the SEA or elsewhere in the County.

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APPENDIX A

LIST OF PARCEL OWNERS WITHIN LAS VIRGENES SIGNIFICANT ECOLOGICAL AREA NO. 6

The following list identifies parcel owners within the Las Virgenes Significant Ecological Area No. 6. The number beside each name corresponds to a parcel on the USGS topographical map available at the County Department of Regional Planning. The first digit in the number corresponds to the individual parcel owner, the second digit identifies the number of parcels owned by that individual.

Due to the large number of smaller parcels within the Las Virgenes Significant Ecological Area No. 6, detailed lot lines were not drawn on the USGS topographic maps for several large tracts. Rather, each tract was outlined and the number of lots in each tract were noted on the map.

The following lists, though, still identify the individuals who own parcels within the SEA and the number of parcels owned. For those owners within the tract, the first digit in the numbers assigned to each parcel identifies the tract. The following digit identifies the individual parcel owner; the digit following identifies the number of parcels owned by that individual parcel owner within that tract.

Where individuals own parcels both within these detailed tracts, as well as parcels outside these tracts within the SEA, two or more identification numbers have been assigned. These numbers have been cross-referenced and are noted on the following list.

1-1 2061-007-021 ARTHUR N. WHIZIN 15700 DEVONSHIRE ST. GRANADA HILLS, CA 91344

2-1 2061-007-031 A.T. SALTZER 2002 LERNER LANE SANTA ANA, CA 92705

1-2 2061-007-037 ARTHUR WHIZIN 28914 ROADSIDE DR. AGOURA VAALEY, CA 91301

1-3 2061-007-038 ARTHUR N. WHIZIN 15700 DEVONSHIRE ST. GRANADA HILLS, CA 91344

3-1 2061-007-039 ARTHUR I. KIRKELIS 31836 TYNEBOURNE CT. WESTLAKE VILLAGE, CA 91361

4-1 2061-007-040 SHAMROCK HOLDINGS INC. 4444 LAKESIDE DR. BURBANK, CA 91505

1-4 2061-007-041 ARTHUR N. WHIZIN 15700 DEVONSHIRE ST. GRANADA HILLS, CA 91344

2-2 2061-007-044 A.T. SALTZER 2002 LERNER LANE SANTA ANA, CA 92705

2-3 2061-007-045 A.T. SALTZER 2002 LERNER LANE SANTA ANA, CA 92705

5-1 2061-007-049 AGOURA HILLS ASSOC. 1545 WILSHIRE BLVD. LOS ANGELES, CA 90017

1-5 2061-007-051 ARTHUR N. WHIZIN 15700 DEVONSHIRE ST. GRANADA HILLS, CA 91344

1-6 2061-007-052 ARTHUR N. WHIZIN 15700 DEVONSHIRE ST. GRANADA HILLS, CA 91344

6-1 2061-007-053 ROADSIDE PROPERTIES II LTD 16161 VENTURA BLVD. #855 ENCINO, CA 91436

7-1 2061-007-901 COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT 2250 ALCAZAR ST. LOS ANGELES, CA 90033
(18-16, 21-90)

7-2 2061-007-902 COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT 2250 ALCAZAR ST. LOS ANGELES, CA 90033
(18-16, 21-40)

7-3 2061-007-904 COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT 2250 ALCAZAR ST. LOS ANGELES, CA 90033
(18-16, 21-40)

7-4 2061-007-905 COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT 2250 ALCAZAR ST. LOS ANGELES, CA 90033
(18-16, 21-40)

8-1 2061-007-906 LAS VIRGENES MUNICIPAL WATER DISTRICT 4232 LAS VIRGENES CNYN. RD. CALABASAS, CA 91302

9-1 2061-008-029 LOUIS MARINI 5897 WHELLHOUSE LANE AGOURA HILLS, CA 91301

10-1 2061-008-038 PAUL LEITER 1220 OTONO ROAD PALM SPRINGS, CA 92262

11-1 2061-008-039 NATIONAL ADVERTISING CO. ATTN: R.M. NELLES 2412 THREE SPRING WESTLAKE VILLAGE, CA 91361

12-1 2061-008-040 ALBERT P. GABLEDON 28404 ROADSIDE DR. AGOURA, CA 91301

13-1 2061-008-041 30621 CANWOOD ST. AGOURA HILLS, CA 91301

14-1 2061-008-042 CONSTANCE M. NEALE 6041 N. MYRTLE RD. MYRTLE CREEK, OR 97457

14-2 2061-008-043 CONSTANCE M. NEALE 6041 N. MYRTLE RD. MYRTLE CREEK, OR 97457

15-1 2061-008-044 GILBERT J. ARENA 18864 S. AUBREY DOS PALOS, CA 93620

15-2 2061-008-045 GILBERT J. ARENA 18864 S. AUBREY DOS PALOS, CA 93620

7-5 2061-008-907 COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT 2250 ALCAZAR ST. LOS ANGELES, CA 90033

16-1.1 2061-009-001 J.L. GAITHER 28311 AGOURA RD. AGOURA, CA 91301

16-1.2 2061-009-002 J.L. GAITHER 28311 AGOURA RD. AGOURA, CA 91301

16-1.3 3061-009-003 J.L. GAITHER 28311 AGOURA RD. AGOURA, CA 91301

16-2.1 3061-009-004 DEBORAH PERLMAN 1736 MANDEVILLE LANE LOS ANGELES, C A90049

16-3.1 2061-009-028 KJAMES N. BOATRIGHT 5517 COLONY DR. AGOURA, CA 91301

16-4.1 2061-009-040 EDWARD S. RINGLE W.P.O. BOX 205 AGOURA, CA 91301

16-5.1 2061-009-041 ROBERT J. KREMPLE 29225 S. LAKE SHORE DR. AGOURA, CA 91301

16-5.2 2061-009-042 ROBERT J. KREMPLE 29225 S. LAKE SHORE DR. AGOURA, CA 91301

16-6.1 2061-009-043 ROBERT D. BERGAN 1833 N. CALLE PETALUMA THOUSAND OAKS, CA 91360

16-7.1 2061-009-044 DOUGLAS R. ABERLE 1159 MELLOW LANE SIMI VALLEY, CA 93065

16-5.3 2061-009-045 ROBERT J. KREMPLE 29225 S. LAKE SHORE DR. AGOURA, CA 91301

16-8.1 2061-009-046 ALBERT P. GABLEDON HORSE TRAILERS INTER. 28404 ROADSIDE DR. AGOURA, CA 91301
(12-2)

16-5.4 2061-009-047 ROBERT J. KREMPLE 29225 S. LAKE SHORE DR. AGOURA, CA 91301

16-5.5 2061-009-049 ROBERT J. KREMPLE 29225 S. LAKE SHORE DR. AGOURA, CA 91301

16-9.1 2061-009-050 OLGA M. PICOY 23327 WELLER PL. WOODLAND HILLS, CA 91367

16-10.1 2061-009-051 JAMES E. DIETRICH 2230 CAREFUL AGOURA, CA 91301

16-11.1 2061-009-052 RICARDO E. FLORES 28366 AGOURA RD. AGOURA, CA 91301

16-12.1 2061-009-054 DONALD E. HAHNER 28351 AGOURA RD. #2 AGOURA, CA 91301

16-13.1 2061-009-055 R.Y. WICALL TRUCKING INC. P.O. BOX 8185 CALABASAS, CA 91301

16-13.2 2061-009-056 R.Y. WICALL TRUCKING INC. P.O. BOX 8185 CALABASAS, CA 91301

16-13.3 2061-009-057 R.Y. WICALL TRUCKING INC. P.O. BOX 8185 CALABASAS, CA 91301

16-14.1 2061-009-059 ALFREDO S. ANNINO 12616 VENTURA BLVD. STUDIO CITY, CA 91604

16-15.1 2061-009-061 HOWARD MEMEL 1299 OCEAN AVE. #62 SANTA MONICA, CA 90401

16-3.2 2061-009-062 JAMES N. BOATRIGHT 5517 COLONY DR. AGOURA, CA 91301

16-14.2 2061-009-063 ALFREDO S. ANNINO 12616-000 VENTURA BLVD. STUDIO CITY, CA 91604

16-16.1 2061-009-907 COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT 2250 ALCAZAR ST. LOS ANGELES, CA 90033
(7-6) (21-40)

16.2 2061-009-912 COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT 2250 ALCAZAR ST. LOS ANGELES, CA 90033
(7-7) (21-40)

16-17.1 2061-010-006 ROBERT C. ST. CLAIR 1739 E. AVENUE Q-11 PALMDALE, CA 93550

16-18.1 2061-010-007 DONALD C. MULLET 3908 UPPER PL. FRIDAY HARBOR, WA 98250

16-18.2 2061-010-008 DONALD C. MULLET 3908 UPPER PL. FRIDAY HARBOR, WA 98250

16-19.1 2061-010-011 THRIFTY OIL CO. ATTN: TAZ LATHAM 10000 LAKEWOOD BLVD. DOWNEY, CA 90240

16-17.2 2061-010-015 ROBERT C. ST. CLAIR 1739 E. AVE. Q-11 PALMDALE, CA 93550

16-17.3 2061-010-016 ROBERT C. ST. CLAIR 1739 E. AVE. Q-11 PALMDALE, CA 93550

16-18.3 2061-010-017 DONALD C. MULLET 3908 UPPER PLACE FRIDAY HARBOR, WA 98250

16-20.1 2061-011-003 GHANSHYAM AMIN 5116 CHESEBRO RD. AGOURA, CA 91301

16-21.1 2061-011-020 LAWRENCE H. DEUTSCH 16133 VENTURA BLVD. #870 ENCINO, CA 91436

16-22.1 2061-011-021 TRI STATE FINANCIAL GROUP 28047 DOROTHY DR. #200 AGOURA HILLS, CA 91301

16-23.1 2061-011-022 AD-RAK HOLDINGS INC. 28047 DOROTHY DR. AGOURA HILLS, CA 91301

16-24.1 2071-012-001 JAMES F. McGUIRE 9743 BLEMAR BLVD. NORTHRIDGE, CA 91235

16-25.1 2061-012-002 ANDREW OZDY 28282 DOROTHY DR. AGOURA HILLS, CA 91301

16-26.1 2061-012-003 CLAUANCH ROOFING INC. 1063 VALLEY HIGH AVE. THOUSAND OAKS, CA 91360

16-22.2 2061-011-009 TRI STATE FINANCIAL GROUP 28047 DOROTHY DR. #200 AGOURA HILLS, CA 91301

16-27.1 2061-011-012 M.A. FIRESTONE P.O. BOX 76 WOODLAND HILLS, CA 91364

16-28.1	2061-011-016	DONALD BELL 13182 CAMINITO POINTE DEL MAR DEL MAR, CA 92105
16-21	2061-011-017	LAWRENCE H. DEUTSCH 16133 VENTURA BLVD. #870 ENCINO, CA 91436
16-21	2061-011-018	LAWRENCE H. DEUTSCH 16133 VENTURA BLVD. #870 ENCINO, CA 91436
16-29.1	2061-012-004	MARIE E. HENTZ 122 VIA CANDELARIA COTO DE CAZA, CA 92679
16-29.2	2061-012-005	MARIE E. HENTZ 122 VIA CANDELARIA COTO DE CAZA, CA 92679
16-29.3	2061-012-006	MARIE E. HENTZ 122 VIA CANDELARIA COTO DE CAZA, CA 92679
16-30.1	2061-012-007	FREDERIC A. SPERBER 5033 OAKDALE WOODLAND, CA 91364
16-31.1	2061-012-008	WAYNE R. WEST 93 N. LOCUST AVE. AGOURA, CA 91301
16-32.1	2061-012-011	JOSEPH TERESI 2399 WINDWARD CRCL. WESTLAKE VILLAGE, CA 91361
16-33.1	2061-012-012	ROSINA PARIS 24760 LOWER TRAIL CARMEL, CA 93921
16-34.1	2061-012-014	RICHARD D. YOUNG 54 SADDLEBOW RD. BELL CANYON, CA 91307
16-34.2	2061-012-015	RICHARD D. YOUNG 54 SADDLEBOW RD. BELL CANYON, CA 91307
16-34.3	2061-012-018	RICHARD D. YOUNG 54 SADDLEBOW RD. BELL CANYON, CA 91307
16-35.1	2061-012-019	C.D.C.I. 1223 WILSHIRE BLVD. #333 SANTA MONICA, CA 90403
16-36.1	2061-012-020	CARL L. HAMMOND 3400 RIDGEFORD RD. WESTLAKE VILLAGE, CA 91361
16-37.1	2061-012-021	DONNELL L. NICHOLS 3321 SIERRA DRIVE WESTLAKE VILLAGE, CA 91361
16-38.1	2061-012-022	PATRICIA PAULSON 352 COSTELLO CT. LOS ALTOS, CA 94022
16-39.1	2061-012-024	JOSEPH A. VANNELLI 28205 AGOURA RD. AGOURA HILLS, CA 91301
16-40.1	2061-012-030	VIRGIL D. HOLLAND 26225 AGOURA RD. AGOURA HILLS, CA 91301
16-41.1	2061-012-032	PHILIP W. MOCALIS 5525 COLONY DR. AGOURA, CA 91301
16-24.2	2061-012-033	JAMES F. McGUIRE 9743 BELMAR AVE. NORTHRIDGE, CA 91324
16-24.3	2061-012-034	JAMES F. McGUIRE 9743 BELMAR AVE. NORTHRIDGE, CA 91324
16-24.4	2061-012-035	JAMES F. McGUIRE 8743 BELMAR AVE. NORTHRIGE, CA 91324
16.32.2	2061-012-038	JOSEPH TERESI 28210 DOROTHY DR. AGOURA HILLS, CA 91301
16-42.1	2061-012-040	JOHN WOLF 31628 VILLAGE CNTR. RD. WESTLKAE VILLAGE, CA 91361
16-43.1	2061-012-041	DONALD C. GODDROW 3643 TWIN LAKE RIDGE WESTLAKE VILLAGE, CA 91361
16-36.2	2061-012-042	CARL A. HAMMOND 3400 RIDGEFORD RD. WESTLAKE VILLAGE, CA 91361

16-44.1 2061-012-043 VIRGIL D. HOLLAND 6308 CAPRICORN AVE. AGOURA, CA 91302

16-39.2 2061-012-044 JOSEPH A. VANNELLI 28205 AGOURA RD. AGOURA HILLS, CA 91301

16-45.1 2061-012-045 IRA T. DEUTSCH 16138 WYANDOTTE ST. VAN NUYS, CA 91406

16-45.2 2061-012-046 IRA T. DEUTSCH 16138 WYANDOTTE ST. VAN NUYS, CA 91406

16-34.4 2061-012-047 RICHARD D. YOUNG 54 SADDLEBOW RD. BELL CANYON, CA 91307

16-34.5 2061-012-048 RICHARD D. YOUNG 54 SADDLEBOW RD. BELL CANYON, CA 91307

16-34.6 2061-012-049 RICHARD D. YOUNG 54 SADDLEBOW RD. BELL CANYON, CA 91307

16-46.1 2061-012-050 JACK SKENE 3003 REDONDO CAMARILLO, CA 93010

16-47.1 2061-013-001 PLAZA INTERNATIONAL 21777 VENTURA BLVD. #251 WOODLAND HILLS, CA 91364

16-47.2 2061-013-002 PLAZA INTERNATIONAL 21777 VENTURA BLVD. #251 WOODLAND HILLS, CA 91364

16-47.3 2061-013-003 PLAZA INTERNATIONAL 21777 VENTURA BLVD. #251 WOODLAND HILLS, CA 91364

16-47.4 2061-013-004 PLAZA INTERNATIONAL 21777 VENTURA BLVD. #251 WOODLAND HILLS, CA 91364

16-47.5 2061-013-005 PLAZA INTERNATIONAL 21777 VENTURA BLVD. #251 WOODLAND HILLS, CA 91364

16-48.1 2061-013-011 ROBERT C. BOYD P.O. BOX 51 AGOURA HILLA, CA 91301

16-49.1 2061-013-013 CRAIG J. SAUNDERS 4860 SAN JUAN DR. FRIDAY HARBOR, WA 98250

16-50.1 2061-013-015 JOHN COSTIN 23801 CALABASAS RD. #2033 CALABASAS, CA 91302

16-51.1 2061-013-021 FRANK A. ALONSO JR. 13215 LOUVRE ST. PACOIMA, CA 91331

16-47.6 2061-013-024 PLAZA INTERNATIONAL 21777 VENTURA BLVD. #251 WOODLAND HILLS, CA 91364

16-47.7 2061-013-025 PLAZA INTERNATIONAL 21777 VENTURA BLVD. #251 WOODLAND HILLS, CA 91364

16-49.2 2061-013-028 CRAIG J. SAUNDERS 4860 SAN JUAN DR. FRIDAY HARBOR, WA 98250

16-52.1 2061-013-029 MELBA BERNFIELD 9100 WILSHIRE BLVD. 8TH FLOOR BEVERLY HILLS, CA 90212

16-53.1 2061-013-030 PALO COMADO CNYN. ASSOC. LESSEE:WILLIAM WILLMAN 16045 ROYAL MOUNT DR. ENCINO, CA 91436

16-54.1 2061-013-031 HENRY KOSLOV 30001 MULHOLLAND HWY. CORNELL, CA 91301

16-55.1 2061-013-032 MARY L. TRIPLETT 29910 RAINBOW CREST DR. AGOURA, CA 91301

16-49.2 2061-013-033 CRAIG J. SAUNDERS 4869 SAN JUAN DR. FRIDAY HARBOR, WA 98250

16-47.8 2061-013-036 PLAZA INTERNATIONAL 21777 VENTURA BLVD. #251 WOODLAND HILLS, CA 91364

16-21.3 2061-013-037 TRI STATE FINANCIAL GRP. 28047 DOROTHY DR. #200 AGOURA HILLS, CA 91301

16-35.2 2061-013-038 C.D.C.I. 28240 AGOURA RD. #301 AGOURA HILLS, CA 91301

16-47.9 2061-013-039 PLAZA INTERNATIONAL 21777 VENTURA BLVD. #251 WOODLAND HILLS, CA 91364

16-47.10 2061-013-040 PLAZA INTERNATIONAL 21777 VENTURA BLVD. #251 WOODLAND HILLS, CA 91364

16-56.1 2061-013-041 MICHAEL MITCHELL 789 ALVISO DR. CAMARILLO, CA 93010

16-57.1 2061-013-042 C.A. RASMUSSEN CO. 2360 SHASTA WAY SIMI VALLEY, CA 93065

16-58.1 2061-013-043 TOKAI BANK OF CALIFORNIA ATTN: CONRAD NORIEGA 5841 ROWLAND AVE. TEMPLE CITY, CA 91780

16-58.2 2061-013-044 TOKAI BANK OF CALIFORNIA ATTN: CONRAD NORIEGA 5841 ROWLAND AVE. TEMPLE CITY, CA 91780

16-58.3 2061-013-045 TOKAI BANK OF CALIFORNIA ATTN: CONRAD NORIEGA 5841 ROWLAND AVE. TEMPLE CITY, CA 91780

2061-014-003 RIOPHARM U.S.A. INC. P.O. BOX 48187 LOS ANGELES, CA 90049

2061-014-004 RIOPHARM U.S.A. INC. P.O. BOX 48187 LOS ANGELES, CA 90049

2061-014-005 DOUGLAS DUITSMAN RIOPHARM U.S.A. INC. P.O. BOX 48187 LOS ANGELES, CA 90049

2061-014-006 DOUGLAS DUITSMAN RIOPHARM U.S.A. INC. P.O. BOX 48187 LOS ANGELES, CA 90049

17-1 2061-015-005 WELKIN TRADING LTD. 1702 BERKELEY ST. SANTA MONICA, CA 90404

18-1.1 2061-016-007 FRANK ANNINO C.D.C.I. 1223 WILSHIRE BLVD. #333 SANTA MONICA, CA 90403
(16-35)

18-1.2 2061-016-015 CONSTRUCTION DESIGN & CONSULTING INC. 1223 WILSHIRE BLVD. #333 SANTA MONICA, CA 90403
(16-35)

18-2.1 2061-016-020 ROBERT B. BAKER W.P.O. BOX 98 AGOURA HILLS, CA 91301

18-3.1 2061-016-021 ALFRED B. CRAIG P.O. BOX 26A41 LOS ANGELES, CA 90049

18-4.1 2061-016-023 VINCE CRAIG 181 N. AVENDIA VERA CRUZ ANAHEIM, CA 92805

18-5.1 2061-016-025 JANOS PUSZTAI 28245 LAURA LA PLANTE DR. AGOURA HILLS, CA 91301

18-6.1 2061-016-026 MICHAEL B. MAST 28237 LAURA LA PLANTE DR. AGOURA HILLS, CA 91301

18-7.1 2061-016-027 LOLITA I. CAFFERIO 4920 LEWIS RD. AGOURA, CA 91301

18-8.1 2061-016-028 JOHN C. HAGERMAN JR. 2010 VISTA ALCEDO CAMARILLO, CA 93010

18-9.1 2061-016-029 LJUBOMIR VUJICIC 13405 INGLEWOOD AVE. #2 HAWTHORNE, CA 90250

18-1.3 2061-016-035 CONSTRUCTION DESIGN & CONSULTING INC. 28240 AGOURA RD. #301 AGOURA HILLS, CA 91301
(16-35)

18-1.4 2061-016-036 CONSTRUCTION DESIGN & CONSULTING INC. 28240 AGOURA RD. #301 AGOURA HILLS, CA 91301
(16-35)

18-10.1 2061-016-038 CARL SELTZER 3703 SEAHORD DR. MALIBU, CA 90265

18-11.1 2061-016-039 INDIAN HILLS LTD. 28240 AGOURA RD. #301 AGOURA HILLS, CA 91301

18-11.2 2061-016-040 INDIAN HILLS LTD. 28240 AGOURA RD. #301 AGOURA HILLS, CA 91301

18-11.3 2061-016-041 INDIAN HILLS LTD. 28240 AGOURA RD. #301 AGOURA HILLS, CA 91301

18-11.4 2061-016-042 INDIAN HILLS LTD. 28240 AGOURA RD. #301 AGOURA HILLS, CA 91301

18-10.2 2061-016-043 CARL SELTZER 3703 SEAHORN DR. MALIBU, CA 90265

18-12.1 2061-016-044 ANNINO FAMILY & BELL BRAND 1223 WILSHIRE BLVD. #333 SANTA MONICA, CA 90403

18-13.1 2061-016-045 CLEMENTE F. SANTOS 6063 CALMFIELD AGOURA HILLS, CA 91301

18-13.2 2061-016-046 CLEMENTE F. SANTOS 6063 CALMFIELD AGOURA HILLS, CA 91301

18-13.3 2061-016-047 CLEMENTE F. SANTOS 6063 CALMFIELD AGOURA HILLS, CA 91301

18-13.4 2061-016-048 CLEMENTE F. SANTOS 6063 CALMFIELD AGOURA HILLS, CA 91301

18-1.5 2061-016-049 CONSTRUCTION DESIGN & CONSULTING INC. 28240 AGOURA RD. #301 AGOURA HILLS, CA 91301
(16-35)

18-1.6 2061-016-050 CONSTRUCTION DESIGN & CONSULTING INC. 28240 AGOURA RD. #301 AGOURA HILLS, CA 91301
(16-35)

18-1.7 2061-016-051 CONSTRUCTION DESIGN & CONSULTING INC. 28240 AGOURA RD. #301 AGOURA HILLS, CA 91301
(16-35)

18-14.1	2061-016-052	MARIANNE A. THOMPSON 4620 CORTLAND DR. CORONA DEL MAR, CA 92625
18-15.1	2061-016-053	GOBIN HIRANANDANI 8910 MEGAN PL. WEST HILLS, CA 91304
18-14.2	2061-016-054	MARIANNE A. THOMPSON 4620 CORTLAND DR. CORONA DEL MAR, CA 92625
18-16.1	2061-016-055	MAJID MERAT 28191 LAURA LA PLANTE DR. AGOURA, CA 91301
18-2.2	2061-016-056	ROBERT B. BAKER P.O. BOX 98 AGOURA, CA 91301
18-3.2	2061-016-057	AKFRED B. CRAIG P.O. BOX 26841 LOS ANGELES, CA 90049
18-17.1	2061-016-058	JOHN R. DUNCAN 28207 LAURA LA PLANTE DR. AGOURA, CA 91301
18-4.2	2061-016-059	VINCE CRAIG 28024 DOROTHY DR. AGOURA, CA 91301
18-9.2	2061-016-060	LJUBOMIR VUJICIC 28300 AGOURA RD. AGOURA, CA 91301
18-9.3	2061-016-061	LJUBOMIR VUJICIC 28300 AGOURA RD. AGOURA, CA 91301
18-9.4	2061-016-062	LJUBOMIR VUJICIC 13405 INGLEWOOD AVE. #2 HAWTHORNE, CA 90250
18-4.3	2061-016-063	VINCE CRAIG 181 AVENDIA VERA CRUZ ANAHEIM, CA 92805
18-18.1	2061-017-001	ROBERT E. BARKER 28258 LAURA LA PLANTE AGOURA HILLS, CA 91301
18-19.1	2061-017-003	JOSEPH C. MINEO 3616 SUMMERSET REDDING, CA 96002
18-20.1	2061-017-006	HERMAN BYE 2204 RUSTIC PARK THOUSAND OAKS, CA 91362
18-21.1	2061-017-007	STEVEN SLOAN 28790 EAGLETON ST. AGOURA HILLS, CA 91301
18-22.1	2061-017-008	WILLIAM H. KAUFMANN 1123 ELK AVENUE #8 GLENDALE, CA 91205
18-23.1	2061-017-011	RUSSELL H. HEMSATH 17015 RAYEN ST. NORTHRIDGE, CA 91325
18-23.2	2061-017-012	RUSSELL H. HEMSATH 17015 RAYEN ST. NORTHRIDGE, CA 91325
18-24.1	2061-017-013	RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361
18-24.2	2061-017-014	RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361
18-24.3	2061-017-015	RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361
18-24.4	2061-017-016	RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361
18-24.5	2061-017-017	RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361
18-24.6	2061-017-018	RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361
18-24.7	2061-017-019	RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361

18-24.8 2061-017-020 RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361

18-24.9 2061-017-021 RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361

18-24.10 2061-017-022 RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361

18.24.11 2061-017-023 RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361

18-24.12 2061-017-024 RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361

18-24.13 2061-017-025 RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361

18-24.14 2061-017-026 RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361

18-24.15 2061-017-027 RITA R. BILLIE 105 MERRY OAK LANE WESTLAKE VILLAGE, CA 91361

18-25.1 2061-017-028 TOM MOGAN 28250 LAURA LA PLANTE AGOURA, CA 91301

18-26.1 2061-017-029 VERONA DEV. CO. P.O. BOX 425 TARZANA, CA 91356

18-27.1 2061-017-030 GREGORY J. PARRONE 31515 LINDERO CNYN. RD. #5 WESTLAKE VILLAGE, CA 91361

18-28.1 2061-017-900 U.S. GOVERNMENT c/o: GNRL. SVCS. ADM. 300 N. LOS ANGELES ST. LOS ANGELES, CA 90012

18-28.2 2061-017-901 U.S. GOVERNMENT c/o: GNRL. SVCS. ADM. 300 N. LOS ANGELES ST. LOS ANGELES, CA 90012

18-29.1 2061-018-001 TINA L. CAMPBELL W.P.O. BOX 425 TARZANA, CA 91356

18-30.1 2061-018-002 RAJNI PATEL 28354 LAURA LA PLANTE DR. AGOURA HILLS, CA 91301

18-31.1 2061-018-003 WILLI R. ECKHOFF 28348 LAURA LA PLANTE DR. AGOURA HILLS, CA 91301

18-32.1 2061-018-004 TIMOTHY PHILLIPS 28342 LAURA LA PLANTE DR. AGOURA HILLS, CA 91301

18-33.1 2061-018-005 ROBERT G. HAMBURG 121 W. VICTORIA PL. W. FT. LEE, NJ 07024

18-34.1 2061-018-006 JEFF M. GUNDERSON 28332 LAURA LA PLANTE DR. AGOURA HILLS, CA 91301

18-8.2 2061-018-007 JOHN C. HAGERMAN 2010 VISTA ALCEDO CAMARILLO, CA 93010

18-35.1 2061-018-008 N.B.S.C. CUSTODIAN 17609 VENTURA BLVD. #306 ENCINO, CA 91316

18-36.1 2061-018-009 RANDALL RALSTON 28316 LAURA LA PLANTE DR. AGOURA HILLS, CA 91301

18-37.1 2061-018-010 THOMAS E. SWIFT 28310 LAURA LA PLANTE DR. AGOURA HILLS, CA 91301

18-38.1 2061-018-011 JAMES A. GARABEDIAN 28306 LAURA LA PLANTE DR. AGOURA HILLS, CA 91301

18-39.1 2061-018-012 RON Y. MORINISHI 28302 LAURA LA PLANTE DR. AGOURA HILLS, CA 91301

18-40.1	2061-018-013	JOHN C. GLENNON 1023 N. LA BREA HOLLYWOOD, CA 90038
18-40.2	2061-018-014	JOHN C. GLENNON 1023 N. LA BREA HOLLYWOOD, CA 90038
18-41-1	2061-018-015	GREGORY W. STECKLER 11028 BLIX ST. N. HOLLYWOOD, CA 91602
18-42.1	2061-018-016	JEANNETTE SMARS 9019 GARIBALDI AVE. TEMPLE CITY, CA 96780
18-41.2	2061-018-017	GREGORY W. STECKLER 11028 BLIX ST. N. HOLLYWOOD, CA 91602
18-43.1	2061-018-018	FRED ZAMINI 1831 CAMDEN AVE. #4 LOS ANGELES, CA 90025
18-44.1	2061-018-019	GENE C. DONEHOD 714 MALAT NEWBURY PARK, CA 91320
18-45.1	2061-018-020	STUART R. CAMPBELL 3066 SUNSET LANE OXNARD, CA 93035
18-45.2	2061-018-021	STUART R. CAMPBELL 3066 SUNSET LANE OXNARD, CA 93035
18-46.1	2061-018-022	RUTH D. HUGHES 1707 BROCKTON #6 LOS ANGELES, CA 90025
18-47.1	2061-018-023	DEBBIE K. WILLIAMS P.O. BOX 314 AGOURA, CA 91301
18-48.1	2061-018-024	LEE BLEIBERG 1675 BERKSHIRE DR. THOUSAND OAKS, CA 91362
18-48.2	2061-018-025	LEE BLEIBERG 1675 BERKSHIRE DR. THOUSAND OAKS, CA 91362
18-49.1	2061-018-026	HARRY C. THORNBERRY 2150 VISTA DEL MAR VENTURA, CA 93001
18-50.1	2061-018-027	TERRENCE M. AHERN 28401 W. RENEE DR. AGOURA HILLS, CA 91301
18-51.1	2061-018-028	RICK R. SPARR 28407 W. RENEE DR. AGOURA HILLS, CA 91301
18-52.1	2061-018-029	NAGI MEKHIEL 28413 W. RENEE DR. AGOURA HILLS, CA 91301
18-53.1	2061-019-002	MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301
18-53.2	2061-019-003	MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301
18-53.3	2061-019-004	MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301
18-53.4	2061-019-005	MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301
18-53.5	2061-019-006	MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301
18-53.6	2061-019-007	MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301
18-53.7	2061-019-008	MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301
18-53.8	2061-019-009	MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301
18-53.9	2061-019-010	MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301

18-53.10 2061-019-011 MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301

18-53.11 2061-019-012 MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301

18-53.12 2061-019-013 MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301

18-53.13 2061-019-014 MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301

18-53.14 2061-019-015 MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301

18-53.15 2061-019-016 MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301

18-53.16 2061-019-017 MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301

18-53.17 2061-019-018 MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301

18-53.18 2061-019-019 MERTON H. BAKER BT. GO. DEVELOPERS P.O. BOX 68 AGOURA, CA 91301

18-54.1 2061-019-020 JOSEPH TOTH 840 NEWPORT CNTR. DR. #700 NEWPORT BEACH, CA 92660
(58)

18-54.2 2061-019-021 JOSEPH TOTH 840 NEWPORT CNTR. DR. #700 NEWPORT BEACH, CA 92660
(57)

18-54.3 2061-019-022 JOSEPH TOTH 840 NEWPORT CNTR. DR. #700 NEWPORT BEACH, CA 92660
(58)

18-54.4 2061-019-023 JOSEPH TOTH 840 NEWPORT CNTR. DR. #700 NEWPORT BEACH, CA 92660
(58)

18-54.5 2061-019-024 JOSEPH TOTH 840 NEWPORT CNTR. DR. #700 NEWPORT BEACH, CA 92660
(58)

18-54.6 2061-019-025 JOSEPH TOTH 840 NEWPORT CNTR. DR. #700 NEWPORT BEACH, CA 92660
(58)

18-54.7 2061-019-026 JOSEPH TOTH 840 NEWPORT CNTR. DR. #700 NEWPORT BEACH, CA 92660
(58)

18-55 2061-019-900 LAS VIRGENES MUNICIPAL WATER DISTRICT 4232 LAS VIRGENES CNYN. RD. CALABASAS, CA 91302
(8)

18-56.1 2061-020-001 PAULINE D. SCOTT P.O. BOX 68 AGOURA, CA 91301
(57)

18-56.2 2061-020-002 PAULINE D. SCOTT P.O. BOX 68 AGOURA, CA 91301
(57)

18-56.3 2061-020-003 PAULINE D. SCOTT P.O. BOX 68 AGOURA, CA 91301
(57)

18-56.4 2061-020-004 PAULINE D. SCOTT P.O. BOX 68 AGOURA, CA 91301
(57)

18-56.5 2061-020-005 PAULINE D. SCOTT P.O. BOX 68 AGOURA, CA 91301
(57)

18-56.6 2061-020-006 PAULINE D. SCOTT P.O. BOX 68 AGOURA, CA 91301
(57)

18-56.7 2061-020-007 PAULINE D. SCOTT P.O. BOX 68 AGOURA, CA 91301
(57)

18-56.8 2061-020-008 PAULINE D. SCOTT P.O. BOX 68 AGOURA, CA 91301
(57)

18-56.9 2061-020-009 PAULINE D. SCOTT P.O. BOX 68 AGOURA, CA 91301
(57)

18-77.1 2061-022-024 JONATHAN PERLAMN 1736 MANDEVILLE LANE LOS ANGELES, CA 90049

18.78.1 2061-022-025 NARCISO TEJADA 11575 NORRIS AVE. SAN FERNANDO, CA 91340

18-79.1 2061-022-026 ROBSAR CORP. 223 THOUSAND OAKS BLVD. THOUSAND OAKS, CA 91360

18-80.1 2061-022-027 ELISE K. VARELA c/o: INDAIN HILLS DEV. W.P.O. BOX 5550 LOS ANGELES, CA 90049

18-81.1 2061-022-028 BEVERLY K. ASHE 28425 W. LEWIS PL. AGOURA HILLS, CA 91301

18-82.1 2061-022-029 TOM F. WOO 15035 DEL GADO DR. SHERMAN OAKS, CA 91403

18-82.2 2061-022-030 TOM F. WOO 15035 DEL GADO DR. SHERMAN OAKS, CA 91403

18-83.1 2061-022-031 GUENTER SCHMIDT 1994 FERNDALE PL. THOUSAND OAKS, CA 91360

18-84.1 2061-022-034 RICHARDO E. FLORES 28366 AGOURA RD. AGOURA, CA 91301

18-85.1 2061-022-035 NICHOLAS E. ANGELOS 4911 LEWIS ROAD AGOURA, CA 91301

18-86.1 2061-022-036 TERRY SCHROEDER 4901 LEWIS ROAD AGOURA, CA 91301

18-87.1 2061-022-038 PAUL M. SALISBURY 4919 LEWIS ROAD AGOURA, CA 91301

18-67.2 2061-022-039 WILLIAM HUSS 29348 AGOURA RD. AGOURA, CA 91301

18-68.3 2061-022-041 EDWARD E. GRIPP 1449 DORAL CRCL. THOUSAND OAKS, CA 91362

18-68.4 2061-022-042 EDWARD E. GRIPP 1449 DORAL CRCL. THOUSAND OAKS, CA 91362

18-88.1 2061-022-044 WILFRED J. CAMPEAU 5738 CHIMINEAS AVE. TARZANA, CA 91356

18-68.5 2061-022-045 EDWARD E. GRIPP 1449 DORAL CRCL. THOUSAND OAKS, CA 91362

18-68.6 2061-022-046 EDWARD E. GRIPP 1449 DORAL CRCL. THOUSAND OAKS, CA 91362

18-89.1 2061-022-047 RALPH A. MEDEIROS JR. 28420 LEWIS PL. AGOURA, CA 91301

18-90.1 2061-022-048 ERIC A. TIERK 28410 LEWIS PL. AGOURA HILLS, CA 91301

18-26.2 2061-022-049 VERONA DEV. CO. 3520 DAFFODIL CORONA DEL MAR, CA 92625

18-26.3 2061-022-050 VERONA DEV. CO. 3520 DAFFODIL CORONA DEL MAR, CA 92625

18-26.4 2061-022-051 VERONA DEV. CO. 3520 DAFFODIL CORONA DEL MAR, CA 92625

19-1 2061-023-002 WILBUR A. WIKHOLM 17642 PALO VERDE AVE. CERRITOS, CA 90701

20-1.1 2061-024-001 LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864

20-2.2 2061-024-002 LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864

20-3	2061-024-003	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
20-4	2061-024-004	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-1.1	2061-025-001	A & B PROPERTY INV. INC. P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-1.2	2061-025-002	A & B PROPERTY INV. INC. P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-2.1	2061-025-003	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-2.2	2061-025-004	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-2.3	2061-025-005	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-2.4	2061-025-006	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-2.5	2061-025-007	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-3.1	2061-025-008	CORRINE P. LOBO 20004 PARTHENIA ST. NORTHRIDGE, CA 91324
21-3.2	2061-025-009	CORRINE P. LOBO 20004 PARTHENIA ST. NORTHRIDGE, CA 91324
21-4.1	2061-025-010	JAN BRONSON 9850 LANARK ST. SUN VALLEY, CA 91352
21-5.1	2061-025-011	TERRY R. STARBARD 28905 OAK PATH DR. AGOURA, CA 91301
21-6.1	2061-025-012	HASSANE S. AYASS 1741 MISSION ST. S. PASADENA, CA 91030
21-7.1	2061-025-013	CARLOS M. ASCIONE 3712 MAGNOLIA BLVD. BURBANK, CA 91505
21-8.2	2061-025-014	CARLOS M. ASCIONE 3712 MAGNOLIA BLVD. BURBANK, CA 91505
21-8.3	2061-025-015	CARLOS M. ASCIONE 3712 MAGNOLIA BLVD. BURBANK, CA 91505
21-8.4	2061-025-016	CARLOS M. ASCIONE 3712 MAGNOLIA BLVD. BURBANK, CA 91505
21-9.1	2061-025-017	ROBERT H. REDDIN 4068 KRAFT AVE. STUDIO CITY, CA 91301
21-10.1	2061-025-018	DWIGHT D. COX 4926 VEJAR DR. AGOURA HILLS, CA 91301
21-2.6	2061-025-019	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-11.1	2061-025-020	JOHN D. BASSETT 237 PENINSULA DR. LAKE ALMANOR, CA 96137
21-2.7	2061-025-021	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-2.8	2061-025-022	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-2.9	2061-025-023	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-12.1	2061-025-024	PAUL R. McCLYMONT WAKIKIKI BUSINESS PLAZA NUMBER 1707 HONOLULU, HI

21-2.10	2061-025-025	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-10.2	2061-025-034	DWIGHT D. COX 4926 VEJAR DR. AGOURA HILLS, CA 91301
21-13.1	2061-025-035	STEVEN L. PEDRETTI 4944 VEJAR DR. AGOURA HILLS, CA 91301
21-14.1	2061-025-036	ROBERT A. KNAUSS 4956 VEJAR DR. AGOURA HILLS, CA 91301
21-15.1	2061-025-037	MICHAEL T. GALLAGHER 4966 VEJAR DR. AGOURA HILLS, CA 91301
21-2.11	2061-025-038	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-2.12	2061-025-039	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-2.13	2061-025-040	ROBERT STROUD P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-16.1	2061-025-041	JAMES D. VIGIL 4936 VEJAR DR. AGOURA, CA 91301
21-17.1	2061-025-900	CITY OF AGOURA HILLS 30101 AGOURA CT. #102 AGOURA HILLS, CA 91301
21-18.1 (20)	2861-026-001	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.2 (20)	2861-026-002	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.3 (20)	2861-026-003	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.4 (20)	2861-026-004	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.5 (20)	2861-026-005	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.6 (20)	2861-026-006	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.7 (20)	2861-026-007	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.8 (20)	2861-026-008	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.9 (20)	2861-026-009	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.10 (20)	2061-026-010	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.11 (20)	2061-026-011	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.12 (20)	2061-026-012	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.13 (20)	2061-026-013	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.14 (20)	2061-026-014	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.15 (20)	2061-026-015	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.16 (20)	2061-027-001	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864

21-18.16 (20)	2061-027-002	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.17 (20)	2061-027-003	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.18 (20)	2061-027-004	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.19 (20)	2061-027-005	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.20 (20)	2061-027-006	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.21 (20)	2061-027-007	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.22 (20)	2061-027-008	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.23 (20)	2061-027-009	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.24 (20)	2061-027-010	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.25 (20)	2061-027-011	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-18.26 (20)	2061-027-012	LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864
21-19.1	2061-028-002	ROCCO SOLDATO 6940 BERQUIST CANOGA PARK, CA 91307
21-20.1	2061-028-003	CONNIE S. MORA 10345 OLYMPIC BLVD. LOS ANGELES, CA 90064
21-21.1	2061-028-004	JUDITH GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-21.1	2061-028-005	JUDITH GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-21.3	2061-028-006	JUDITH GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-18.26 (20)	2061-028-007	LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-18.27 (20)	2061-028-008	LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-18.28 (20)	2061-028-009	LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-18.29 (20)	2061-028-010	LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-18.30 (20)	2061-028-011	LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-18.31 (20)	2061-028-012	LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-18.32 (20)	2061-028-013	LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-18.33 (20)	2061-028-014	LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864
21-18.34 (20)	2061-028-015	LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864

21-18.35 (20) 2061-028-016 LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864

21-18.36 (20) 2061-028-017 LEONARD GERTLER P.O. BOX 8164 CRESTLINE, CA 92325-1864

21-22.1 2061-028-020 JO ANN R. RICH 4915 VEJAR DR. AGOURA HILLS, CA 91301

21-23.1 2061-028-021 STEVE W. STOCKS 310 W. REDWOOD OXNARD, CA 93030

21-24.1 2061-028-026 GARY M. FAULKNER 4963 VEJARD DR. AGOURA HILLS, CA 91301

21-25.1 2061-028-027 KEITH SETTLE 4967 VEJARD DR. AGOURA HILLS, CA 91301

21-26.1 2061-028-034 ANGELO D. MILANO 37 VILLARD AVE. HASTINGS ON HUDSON, NY 10706

21-26.2 2061-028-036 ANGELO D. MILANO 37 VILLARD AVE. HASTINGS ON HUDSON, NY 10706

21-27.1 2061-028-037 CHARLES FIORE 4933 VEJAR DR. AGOURA HILLS, CA 91301

21-28.1 2061-028-038 FRANK GENTILE 4949 VEJAR DR. AGOURA HILLS, CA 91301

21-29.1 2061-028-039 ROBERT R. LASPADA 3725 THOUSAND OAKS BLVD. #201D WESTLAKE VILLAGE, CA 91361

21-17.2 2061-028-900 CITY OF AGOURA HILLS 30101 AGOURA CT. #102 AGOURA HILLS, CA 91301

21-17.3 2061-028-901 CITY OF AGOURA HILLS 30101 AGOURA CT. #102 AGOURA HILLS, CA 91301

21-21.4 2061-029-001 JUDITH GERLER P.O. BOX 1864 CRESTLINE, CA 92325-1864

21-30.1 2061-029-002 SAMUEL SHAFRAN 6118 FAIRHAVEN CT. AGOURA HILLS, CA 91301

21-31.1 2061-029-003 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.2 2061-029-004 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.3 2061-029-005 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.4 2061-029-006 WOODLAND AMERICAN HOMES P.O. BOX 1710 AGOURA HILLS, CA 91301

21-32.1 2061-029-007 MICHAEL BARMASSE 28902 AGOURA RD. AGOURA, CA 91301

21-33.1 2061-029-008 ROBERT W. EDMONDSON 2682 CEDAR WOOD PL. THOUSAND OAKS, CA 91362

21-34.1 2061-029-009 ROBERT W. EDMONDSON 2682 CEDAR WOOD PL. THOUSAND OAKS, CA 91362

21-34.2 2061-029-010 ROBERT W. EDMONDSON 2682 CEDAR WOOD PL. THOUSAND OAKS, CA 91362

21-34.3 2061-029-011 ROBERT W. EDMONDSON 2682 CEDAR WOOD PL. THOUSAND OAKS, CA 91362

21-31.19 2061-030-010 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.20 2061-030-011 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.21 2061-030-012 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.22 2061-030-013 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-18.39 (20) 2061-030-014 LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864

21-18.40 (20) 2061-030-015 LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864

21-18.41 (20) 2061-030-016 LEONARD GERTLER P.O. BOX 1864 CRESTLINE, CA 92325-1864

21-31.23 2061-031-001 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.24 2061-031-002 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.25 2061-031-003 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.26 2061-031-004 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.27 2061-031-005 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.28 2061-031-006 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.29 2061-031-007 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.30 2061-031-008 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-31.31 2061-031-009 WOODLAND AMERICAN HOMES 5200 KANAN RD. #225 AGOURA HILLS, CA 91301

21-35.1 2061-031-010 ANNIO DOMINICK 28240 AGOURA RD. #205 AGOURA HILLS, CA 91301

21-36.1 2061-031-019 BEAUTIFUL CITY HOLDING CO. c/o: LAWRENCE M. BERLIN 15700 DEVONSHIRE ST. GRANADA HILLS, CA 91344

21-37.1 2061-031-020 FAIR OAKS DEV. CO. 1239 20TH ST. #100 SANTA MONICA, CA 90404

21-38.1 2061-031-022 BRUCE F. WHIZIN 4458 MATILIJA AVE. SHERMAN OAKS, CA 91423

21-39.1 2061-031-023 BERNARD SANDLER 9200 SUNSET BLVD. #706 LOS ANGELES, CA 90069

21-39.2 2061-031-024 BERNARD SANDLER 9200 SUNSET BLVD. #706 LOS ANGELES, CA 90069

21-40.1 2061-031-900 COUNTY OF LOS ANGELES FLOOD CONTROL DIST. 2250 ALCAZAR ST. LOS ANGELES, CA 90033
(18-16,7)

21-40.2 2061-031-901 COUNTY OF LOS ANGELES FLOOD CONTROL DIST. 2250 ALCAZAR ST. LOS ANGELES, CA 90033
(18-16,7)

21-40.3 2061-031-902 COUNTY OF LOS ANGELES FLOOD CONTROL DIST. 2250 ALCAZAR ST. LOS ANGELES, CA 90033
(18-16,7)

21-40.4 2061-031-903 COUNTY OF LOS ANGELES FLOOD CONTROL DIST. 2250 ALCAZAR ST. LOS ANGELES, CA 90033
(18-16,7)

22-1.1 2061-035-001 GERALD K. UNICK 27957 VIA AMISTOSA AGOURA HILLS, CA 91301

22-2.1 2061-035-002 CHARLENE M. WHITWORTH 27949 VIA AMISTOSA AGOURA HILLS, CA 91301

22-3.1 2061-035-003 ODY MILTON 27941 VIA AMISTOSA AGOURA HILLS, CA 91301

22-4.1 2061-035-004 ROBERTO ANDRADE 27935 VIA AMISTOSA AGOURA HILLS, CA 91301

22-5.1 2061-035-005 BARRY M. SPENCER 27929 VIA AMISTOSA AGOURA HILLS, CA 91301

22-6.1 2061-035-006 STEVEN M. ROSENBERG 27923 VIA AMISTOSA AGOURA HILLS, CA 91301

22-7.1 2061-035-007 TIMOTHY J. WEIS 27917 VIA AMISTOSA AGOURA HILLS, CA 91301

22-8.1 2061-035-008 JAMES P. O'CONNELL 27909 VIA AMISTOSA AGOURA HILLS, CA 91301

22-9.1 2061-035-009 HILDA A. CUTLER 27903 VIA AMISTOSA AGOURA HILLS, CA 91301

22-10.1 2061-035-010 RON L. LAWRENCE 27839 VIA AMISTOSA AGOURA HILLS, CA 91301

22-11.1 2061-035-011 FRANK FONTANA 27833 VIA AMISTOSA AGOURA HILLS, CA 91301

22-12.1 2061-035-012 GLENN RUSSELL 27827 VIA AMISTOSA AGOURA HILLS, CA 91301

22-13.1 2061-035-013 RUSSELL C. FEURST 27821 VIA AMISTOSA AGOURA HILLS, CA 91301

22-14.1 2061-035-014 HOWARD E. BATES 27815 VIA AMISTOSA AGOURA HILLS, CA 91301

22-15.1 2061-035-015 LOUIS J. TOULET 27807 VIA AMISTOSA AGOURA HILLS, CA 91301

22-16.1 2061-035-016 JAKOB HOFFMAN 27803 VIA AMISTOSA AGOURA HILLS, CA 91301

22-17.1 2061-035-017 DEAN A. LENSING 27801 VIA AMISTOSA AGOURA HILLS, CA 91301

22-18.1 2061-035-048 RICHARD J. O'LINN II 27952 VIA AMISTOSA AGOURA HILLS, CA 91301

22-19.1 2061-035-050 ALTON McCLOUD 27814 VIA AMISTOSA AGOURA HILLS, CA 91301

22-20.1 2061-035-051 KEN E. WOODGRIFT 27828 VIA AMISTOSA AGOURA HILLS, CA 91301

22-21.1 2061-035-052 JOHN T. HARGETT 4936 CALLE MONTECILLO AGOURA, CA 91301

22-22.1 2061-035-053 LOUIS ALFONSO 4901 CALLE MONTECILLO AGOURA, CA 91301

23-1 2063-001-014 PACIFIC LIGHTING CMRCL. LOANS INC. ATTN:WALD RODMAN 6055 WASHINGTON BLVD. #700 CITY OF COMMERCE, CA

24-1 2063-006-018 JACK V. RICH 4318 CORNELL RD. AGOURA, CA 91301

24-2 2063-006-019 JACK V. RICH 4318 CORNELL RD. AGOURA, CA 91301

25-1 2063-006-020 RAYMONDA A. MALONEY 4270 CORNELL RD. AGOURA, CA 91301

25-2 2063-006-021 RAYMOND A. MALONEY 4270 CORNELL RD. AGOURA, CA 91301

26-1 2063-006-022 BEAUTIFUL CITY HOLDING CO. INC. c/o: L. M. BERLIN 15700 DEVONSHIRE ST. GRANADA HILLS, CA 91344

26-2 2063-006-023 BEAUTIFUL CITY HOLDING CO. c/o: L. M. BERLIN 15700 DEVONSHIRE ST. GRANADA HILLS, CA 91344

27-1 2063-006-901 COUNTY OF LOS ANGELES 320 W. TEMPLE STREET LOS ANGELES, CA 90012

28-1 2063-007-017 AMERICAN MOBILEHOME CORP. P.O. BOX 2114 SANTA MONICA, CA 90404

29-1 2063-007-018 MERTON H. BAKER 32812 PUEBLO TR. CATHEDRAL CITY, CA 92812
(18-53)

30-1 2063-007-021 ROBERT A. SIMONEAU 23762 LADRILLO ST. WOODLAND HILLS, CA 91367

31-1 2063-007-023 MICHAEL R. DRUCKER 28705 WAGON RD. AGOURA, CA 91301

32-1 2063-007-026 KEITH E. HARVIE 28604 WAGON ROAD AGOURA, CA 91301

33-1 2063-007-027 BILL SPEARS 28620 WAGON ROAD AGOURA, CA 91301

34-1 2063-007-028 ALFRED V. CONTARINO 28660 WAGON ROAD AGOURA, CA 91301

35-1 2063-007-029 MALCOLM R. CURRIE 28780 WAGON ROAD AGOURA, CA 91301

36-1 2063-007-030 BRITT H. GREKO 30343 CANWOOD ST. #106 AGOURA, CA 91301

37-1 2063-007-031 GARY L. RAFFERTY 3388 CORNELL RD. AGOURA, CA 91301

38-1 2063-007-032 JACK GILL 3434 CORNELL RD. AGOURA, CA 91301

22-23.1	2061-035-018	GIL R. VAZQUEZ 27800 VIA AMISTOSA AGOURA HILLS, CA 91301
22-24.1	2061-035-019	HOW DAH CHOY 27802 VIA AMISTOSA AGOURA HILLS, CA 91301
22-25.1	2061-035-020	EMMANUEL A. AGUSTIN 27804 VIA AMISTOSA AGOURA HILLS, CA 91301
22-26.1	2061-035-021	LINO G. MANASALA 27806 VIA AMISTOSA AGOURA HILLS, CA 91301
22-27.1	2061-035-022	GUY BALLARD 27810 VIA AMISTOSA AGOURA HILLS, CA 91301
22-28.1	2061-035-023	STEVEN BURLINGAME 27816 VIA AMISTOSA AGOURA HILLS, CA 91301
22-29.1	2061-035-024	ANDREW BASS 27824 VIA AMISTOSA AGOURA HILLS, CA 91301
22-30.1	2061-035-025	THOMAS M. FLAHERTY 27828 VIA AMISTOSA AGOURA HILLS, CA 91301
22-31.1	2061-035-026	LAURA TAYLOR 3908 STATE ST. SANTA BARBARA, CA 91305
22-32.1	2061-035-027	EARNESTINE BASEY 27864 CALLE MONTECILLO AGOURA HILLS, CA 91301
22-33.1	2061-035-028	DWAYNE E. TRITLE 27817 CALLE MARGARITA AGOURA HILLS, CA 91301
22-34.1	2061-035-029	GERALD WOLFE 27807 CALLE MARGARITA AGOURA HILLS, CA 91301
22-35.1	2061-035-030	JOSE E. LEON 27801 CALLE MARGARITA AGOURA HILLS, CA 91301
22-36.1	2061-035-031	CHARLES W. ALFONSO 27800 CALLE MARGARITA AGOURA HILLS, CA 91301
22-27.1	2061-035-032	JAMES F. WESELY 27802 CALLE MARGARITA AGOURA HILLS, CA 91301
22-38.1	2061-035-033	DEE W. MORRIS 27806 CALLE MARGARITA AGOURA HILLS, CA 91301
22-39.1	2061-035-037	LAWRENCE G. REAM 4926 CALLE MONTECILLO AGOURA HILLS, CA 91301
22-40.1	2061-035-038	IBRAHIM MASSAIS 4916 CALLE MONTECILLO AGOURA HILLS, CA 91301
22-41.1	2061-035-039	SAMIR S. YANNI 4906 CALLE MONTECILLO AGOURA HILLS, CA 91301
22-42.1	2061-035-040	BORIS BRASLAVSKY 4900 CALLE MONTECILLO AGOURA HILLS, CA 91301
22-43.1	2061-035-042	THOMAS R. BOOTH 27904 VIA AMISTOSA AGOURA HILLS, CA 91301
22-44.1	2061-035-043	ROBERT GLIDER 27910 VIA AMISTOSA AGOURA HILLS, CA 91301
22-45.1	2061-035-044	JAMES M. TAYLOR 27918 VIA AMISTOSA AGOURA HILLS, CA 91301
22-46.1	2061-035-045	ARTHUR N. ESTRADA 27924 VIA AMISTOSA AGOURA HILLS, CA 91301
22-47.1	2061-035-046	PAUL TRAPP 27932 VIA AMISTOSA AGOURA HILLS, CA 91301
22-48.1	2061-035-047	WILLIAM F. FERBER 27938 VIA AMISTOSA AGOURA HILLS, CA 91301

34-2 2063-007-034 GROSS & COMPANY INC. 359 SAN MIGUEL DR. #102 NEWPORT BEACH, CA 92660

40-2 2063-007-036 TERRALL C. YORK 28635 WAGON RD. AGOURA, CA 91301

41-1 2063-007-037 BRIAN L. HELLER 2637 TOWNSGATE RD. #100 WESTLAKE VILLAGE, CA 91361

42-1 2063-007-038 PATRICIA K. KANAN 132 19TH STREET MANHATTAN BEACH, CA 90266

43-1 2063-007-041 PHILIP A. GIBA 28655 WAGON RD. AGOURA, CA 91301

44-1 2063-007-042 E.J. SPIELMAN P.O. BOX 787 AGOURA, CA 91301

45-1 2063-007-043 LEO A. GALLAGHER JR. 6042 WOODLAND VW. DR. WOODLAND HILLS, CA 91367

46-1 2063-007-048 MELVIN K. BERNIE 3000 EMPIRE AVE. BURBANK, CA 91504

47-1 2063-007-049 ANDREW GLASSMAN 28725 WAGON RD. AGOURA, CA 91301

48-1 2063-008-001 HARVEY F. WILSON 4987 OLIVAS PARK DR. #100 VENTURA, CA 93001

49-1 2063-008-002 LAMONT McNAMARA 29101 PIAUTE TR. AGOURA, CA 91301

49-2 2063-008-003 HARVEY F. WILSON 4987 OLIVAS PARK DR. #100 VENTURA, CA 93001

33-2 2063-008-004 KEITH E. HARVIE 28604 WAGON ROAD AGOURA, CA 91301

33-3 2063-008-005 KEITH E. HARVIE 28604 WAGON ROAD AGOURA, CA 91301

49-1 2063-008-006 ASSOCIATED LA PALMA 4987 OLIVAS PARK DR. #100 VENTURA, CA 93003

49-2 2063-008-007 ASSOCIATED LA PALMA 4987 OLIVAS PARK DR. #100 VENTURA, CA 93003

50-1 2063-008-008 ADELMO A. PORTANOVA P.O. BOX 730 AGOURA HILLS, CA 91301

51-1 2063-008-012 R.L.G. MANAGEMENT INC. 1280 TERMINAL WAY #15 RENO, NV 89502

52-1 2063-008-013 NICK PANCHEV 285 S. SIERRA MADRE BLVD. PASADENA, CA 91101

53-1 2063-008-020 ROY L. HORTON 2584 VIA TEJON PALOS VERDES EST,CA 90274

48-2 2063-008-021 HARVEY F. WILSON 4987 OLIVAS PARK DR. #100 VENTURA, CA 93001

54-1 2863-008-025 ALBERT ABRAMS 4355 SEPULVEDA BLVD. #103 SHERMAN OAKS, CA 91403

55-1 2863-008-027 JACK BERMAN 28600 WAGON RD. AGOURA, CA 91301

56-1 2063-008-900 STATE OF CALIFORNIA DEPT. OF GNRL. SVCS. 650 HOWE AVENUE SACRAMENTO, CA 95825

57-1	2061-020-010	PAULINE D. SCOTT P.O. BOX 68 AGOURA, CA 91301
58-1	2061-020-011	JOSEPH TOTH 840 NEWPORT CENTER DR. #700 NEWPORT BEACH, CA 92660
58-2	2061-020-012	JOSEPH TOTH 840 NEWPORT CENTER DR. #700 NEWPORT BEACH, CA 92660
58-3	2061-020-013	JOSEPH TOTH 840 NEWPORT CENTER DR. #700 NEWPORT BEACH, CA 92660
58-4	2061-020-014	JOSEPH TOTH 840 NEWPORT CENTER DR. #700 NEWPORT BEACH, CA 92660
58-5	2061-020-015	JOSEPH TOTH 840 NEWPORT CENTER DR. #700 NEWPORT BEACH, CA 92660
58-6	2061-020-016	JOSEPH TOTH 840 NEWPORT CENTER DR. #700 NEWPORT BEACH, CA 92660
58-7	2061-020-017	JOSEPH TOTH 840 NEWPORT CENTER DR. #700 NEWPORT BEACH, CA 92660

LEGEND:

* number was not requested.

59-1 2061-006-008 PACKARD ADELBERT A TR PACKARD TRUST 23808 LONG VALLEY RD HIDDEN HILLS CA 91302

60-1 2061-006-023 BEAUDINE WILLIAM W JR AND PATRICIA L C/O SIMON SHAHOUN 29160 ROADSIDE DR AGOURA CA 91301

42-2 2061-006-034 KANAN PATRICIA K 132 N 019 ST MANHATTAN BEACH CA 90266

61-1 2061-006-035 CONEJO VALLEY U-STORE-IT 29055 AGOURA RD AGOURA CA 91301 AGOURA RD AGOURA CA

62-1 2061-006-036 CANEJO VALLEY U-STORE-IT 29055 AGOURA RD AGOURA CA 91301 AGOURA RD AGOURA CA

62-2 2061-006-037 ARTINIAN AVEDIS AND BARBARA TRS ARTINIAN FAMILY TR 16447 WESTFALL PL ENCINO CA 91436

62-3 2061-006-038 ARTINIAN AVEDIS AND BARBARA TRS ARTINIAN FAMILY TR 16447 WESTFALL PL ENCINO CA 91436

63-1 2061-006-039 ARTINIAN AVEDIS AND BARBARA TRS ARTINIAN FAMILY TR 16447 WESTFALL PL ENCINO CA 91436

60-2 2061-006-040 BEAUDINE HARRINGTON C/0 AGOURA HILLS INVESTMENTS 14663 TITUS STREET PANORAMA CITY CA 91402

64-1 2061-006-041 BEAUDINE WILLIAM W JR AND PATRICIA L 5461 BOTHWELL RD TARZANA CA 91356

65-1 2061-006-042 TUCHMAN MICHAEL D PO BOX 339 AGOURA CA 29112 ROADSIDE DR AGOURA CA

27-2 2061-006-044 FIELD HOUSE JEAN MERTON 100 N WESTLAKE BLVD # 202 WESTLAKE VILLAGE CA 9136 29045 AGOURA RD AGOURA HILLS CA

7-6 2061-006-900 LA COUNTY

27-3 2061-006-902 LA CO FLOOD CONTROL DIST

7-7 2061-006-903 LA COUNTY

26-1 2061-033-011 BEAUTIFUL CITY HOLDING CO INC C/O LAWRENCE M BERLIN 15700 DEVONSHIRE ST GRANADA HILLS CA 91344

66-1 2061-033-013 INTERNATIONAL CHURCH OF THE FOURSQUARE GOSPEL

67-1 2061-033-015 MILLER JOHN W AND SHARLENS A ET AL BUCHANAN DAVID F

7-8 2061-033-904 LA CO FLOOD CONTROL DISTRICT

68-1 2061-034-001 MC CUNE WALTER L 28128 LAURA LA PLANTE DR AGOURA CA 91301

69-1 2061-034-002 WONG CHRIS C AND JOANNA S 4911 N CALLE ROBLEDA AGOURA HILLS CA 91301

70-1 2061-034-003 STEWART WILLIAM K PAMELA E 4927 N CALLE ROBLEDA AGOURA HILLS 91301

71-1 2061-034-004 VASSERMAN YURY AND FLORA 4933 N CALLE ROBLEDA N AGOURA HILLS CA 91301

72-1 2061-034-006 VANIS JOHN C JR 5308 N DERRY AVE # Y AGOURA HILLS CA 91301

73-1 2061-034-007 PINEDA URBANO A AND MARGARET O 4941 N CALLE ROBLEDA AGOURA CA 91301

74-1 2061-034-008 PEARSON PHILLIP R AND PHYLLIS M 4949 N CALLE ROBLEDA AGOURA CA 91301

75-1 2061-023-009 NOVAK ROBERT L AND BETH 4955 N CALLE ROBLEDA AGOURA HILLS CA 91301

76-1 2061-034-010 COURT MILTON H AND MARJORIE J 28023 W VIA AMISTOSA AGOURA CA 91301

77-1 2061-034-011 RYAN DOUGLAS E 23017 W VIA AMISTOSA AGOURA HILLS CA 91301

78-1 2061-034-012 CHAMBERLIN GARY AND CAROL 28009 W VIA AMISTOS AGOURA HILLS CA 91301

79-1 2061-034-013 FENTON ROBERT 28003 W VIA AMISTOSA AGOURA CA 91301

80-1 2061-034-014 AKHTAR ANWAR AND AHSAN ZAHRA 28006 W VIA AMISTOSA AGOURA HILLS CA 91301

81-1 2061-034-015 MUNSON CONCHITA R 28016 W VIA AMISTOSA AGOURA HILLS CA 91301

82-1 2061-034-016 KATZ MARKS AND PAMELA R 28022 2 VIA AMISTOSA AGOURA CA 91301

83-1 2061-034-017 JEFFREY BAIZE 28030 W VIA AMISTOSA AGOURA HILLS CA 91031

84-1 2061-034-018 ROZZEN DAVID AND MARIAN J 4942 N CALLE ROBLEDA AGOURA CA

85-1 2061-034-019 ARNOLD ROY L AND JEAN A 4930 N CALLE ROBLEDA AGOURA CA 91301

86-1 2061-034-020 SHERWOOD JUDIETH V 4922 N CALLE ROBLEDA AGOURA HILLS CA 91301

87-1 2061 034-025 BEAMS GEORGE L AND ELAINE T 4935 N CALLE ROBLEDA AGOURA HILLS CA 91301

88-1 2061-034-026 BANK OF AMERICA 1800 AVENUE OF THE STARS #200 LOS ANGELES CA 90006

88-2 2061-034-027 BANK OF AMERICA 1800 AVENUE OF THE STARS #200 LOS ANGELES CA 90006

89-1 2061-034-029 HUGHES PETER G AND JEAN 4914 CALLE ROBLEDA AGOUR CA 91301

89-2 2061-034-31 HUGHES PETER G AND JEAN 4914 CALLE ROBLEDA AGOUR CA 91301

90-1 2061-034-32 CAMINO REAL SAVINGS AND P O BOX 400 SAN FERNANDO CA

90-2 2061-034-034 CAMINO REAL SAVINGS AND P O BOX 400 SAN FERNANDO CA

91-1 2061-034-039 KOPF KALUS J AND COLETTE 4908 CALLE ROBLEDA AGOURA HILLS CA 91031

92-1 2061-034-040 ETTAN WINSSHTEIN 4902 CALLE ROBLEDA AGOURA HILLS CA 91301

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70-1 2061-034-003 STEWART WILLIAM K PAMELA E 4927 N CALLE ROBLEDA AGOURA HILLS 91301

71-1 2061-034-004 VASSERMAN YURY AND FLORA 4933 N CALLE ROBLEDA N AGOURA HILLS CA 91301

72-1 2061-034-006 VANIS JOHN C JR 5308 N DERRY AVE # Y AGOURA HILLS CA 91301

73-1 2061-034-007 PINEDA URBANO A AND MARGARET O 4941 N CALLE ROBLEDA AGOURA CA 91301

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78-1 2061-034-012 CHAMBERLIN GARY AND CAROL 28009 W VIA AMISTOS AGOURA HILLS CA 91301

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80-1 2061-034-014 AKHTAR ANWAR AND AHSAN ZAHRA 28006 W VIA AMISTOSA AGOURA HILLS CA 91301

81-1 2061-034-015 MUNSON CONCHITA R 28016 W VIA AMISTOSA AGOURA HILLS CA 91301

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92-1 2061-034-040 ETTAN WINSSHTEIN 4902 CALLE ROBLEDA AGOURA HILLS CA 91301

APPENDIX B

FLORAL AND FAUNAL COMPENDIA FOR THE LAS VIRGENES SIGNIFICANT ECOLOGICAL AREA

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 COMPENDIUM[1]

LEGEND

HABITAT[2]

CHAP - Chaparral
CSCS - Coastal Sage-Chaparral Scrub
GR - Valley and Foothill Grassland
OW - Coast Live Oak Woodland

ABUNDANCE[3]

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

CONIFERAE

CUPRESSACEAE - CYPRESS FAMILY	CHAP	CSCS	GR	OW
Juniperus californica California juniper	i	-	-	-

ANGIOSPERMAE (DICOTYLEDONES)

AMARANTHACEAE - AMARANTH FAMILY				
* Amaranthus sp. pigweed	i	-	-	-
ANACARDIACEAE - SUMAC FAMILY				
Malosma laurina laurel sumac	o	c	-	-
Rhus integrifolia lemonadeberry	i	-	-	-
Toxicodendron diversilobum poison-oak	o	i	-	o
ASCLEPIADACEAE - MILKWEED FAMILY				
Asclepias fascicularis narrow-leaved milkweed	-	-	o	-
ASTERACEAE - SUNFLOWER FAMILY				
Ambrosia psilostachya western ragweed	i	i	i	i
Artemisia californica coastal sagebrush	i	a	-	-

ASTERACEAE - SUNFLOWER FAMILY (continued)	CHAP	CSCS	GR	OW
Artemisia douglasiana California mugwort	-	-	-	o
Baccharis salicifolia mulefat	-	i	-	i
* Centaurea melitensis tocalote	o	o	f	o
Cirsium californicum California thistle	-	-	o	-
* Cirsium vulgare bull thistle	-	-	o	-
* Conyza canadensis horseweed	-	-	i	-
Corethrogyne filaginifolia cudweed aster	o	o	o	o
Encelia californica California bush sunflower	-	i	-	-
Ericameria linearifolia narrow-leaved goldenbush	-	-	i	-
Eriophyllum confertiflorum golden yarrow	i	o	-	-
Gnaphalium californicum California everlasting	i	i	-	-
* Gnaphalium luteo-album white cudweed	i	i	i	i
Grindelia robusta gum-plant	-	-	i	-
Helianthus annuus common sunflower	-	-	-	i
Hemizonia fasciculata fascicled tarweed	i	i	o	i
Heterotheca grandiflora telegraph weed	-	-	i	-
Isocoma veneta coastal goldenbush	i	o	o	i
* Lactuca serriola prickly lettuce	-	-	i	i
Malacothrix saxatilis cliff malacothrix	o	o	-	-
* Silybum marianum milk thistle	-	-	o	-

ASTERACEAE - SUNFLOWER FAMILY (continued)	CHAP	CSCS	GR	OW
* Sonchus oleraceus common sow-thistle	-	-	i	-
Stephanomeria virgata twiggy wreathplant	i	i	o	-
BORAGINACEAE - BORAGE FAMILY				
Amsinckia intermedia common fiddleneck	i	i	o	i
BRASSICACEAE - MUSTARD FAMILY				
* Brassica geniculata short-podded mustard	o	o	f	o
* Brassica nigra black mustard	o	o	f	o
* Capsella bursa-pastoris shepherd's-purse	-	-	i	-
Lepidium nitidum shining peppergrass	-	-	o	-
* Sisymbrium irio London-rocket	i	o	o	o
CAPRIFOLIACEAE - HONEYSUCKLE FAMILY				
Lonicera subspicata southern honeysuckle	o	-	-	o
Sambucus mexicana Mexican elderberry	o	o	-	o
CARYOPHYLLACEAE - PINK FAMILY				
* Silene gallica common catchfly	i	i	o	-

CHENOPODIACEAE - GOOSEFOOT FAMILY	CHAP	CSCS	GR	OW
* Atriplex rosea redscale	-	-	i	-
* Chenopodium album lamb's-quarters	i	i	o	-
* Chenopodium ambrosioides Mexican-tea	-	i	-	-
Chenopodium californicum California goosefoot	i	i	i	i
* Salsola australis Russian-thistle	-	-	o	-
CONVOLVULACEAE - MORNING-GLORY FAMILY				
Calystegia macrostegia western bindweed	i	i	o	i
* Convolvulus arvensis field bindweed	i	i	o	i
Cuscuta californica California dodder	o	o	-	-
CRASSULACEAE - STONECROP FAMILY				
Crassula conata dwarf stonecrop	-	-	i	-
Dudleya cymosa lax dudleya	-	-	i	-
Dudleya lanceolata lance-leaved dudleya	i	i	i	-
Dudleya pulverulenta chalk dudleya	-	i	-	-
CUCURBITACEAE - GOURD FAMILY				
Cucurbita foetidissima coyote-melon	-	-	i	-
Marah macrocarpus wild cucumber	o	o	-	o

EUPHORBIACEAE - SPURGE FAMILY	CHAP	CSCS	GR	OW
Chamaesyce albomarginata rattlesnake spurge	i	i	-	-
Croton californicus California croton	-	i	i	-
Eremocarpus setigerus doveweed	-	-	o	-
FABACEAE - PEA FAMILY				
Astragalus trichopodus Santa Barbara locoweed	-	-	i	-
Lotus scoparius deerweed	i	f	o	o
Lupinus bicolor Lindley's annual lupine	i	i	i	-
Lupinus longifolius Watson's bush lupine	i	i	-	-
* Medicago polymorpha bur-clover	-	-	o	-
* Melilotus indicus yellow sweet-clover	-	-	i	i
* Vicia villosa winter vetch	-	i	-	-
FAGACEAE - BEECH FAMILY				
Quercus agrifolia coast live oak	o	-	-	a
Quercus dumosa California scrub oak	a	i	-	o
Quercus lobata valley oak	-	-	-	f
GERANIACEAE - GERANIUM FAMILY				
* Erodium cicutarium red-stemmed filaree	o	o	c	o

HYDROPHYLLACEAE - WATERLEAF FAMILY	CHAP	CSCS	GR	OW
Eucrypta chrysanthemifolia common eucrypta	i	i	-	-
Phacelia distans wild heliotrope	-	-	-	i
JUGLANDACEAE - WALNUT FAMILY				
Juglans californica California black walnut	i	-	-	i
LAMIACEAE - MINT FAMILY				
* Marrubium vulgare horehound	i	i	o	i
Salvia apiana white sage	i	o	-	-
Salvia columbariae chia	o	o	i	-
Salvia leucophylla purple sage	o	a	-	i
Salvia mellifera black sage	i	o	-	i
MALVACEAE - MALLOW FAMILY				
Malacothamnus fasciculatus mesa bushmallow	o	a	o	i
* Malva parviflora cheeseweed	-	-	o	-
ONAGRACEAE - EVENING-PRIMROSE FAMILY				
Clarkia deflexa clarkia	i	i	i	i

	CHAP	CSCS	GR	OW
PAEONIACEAE - PEONY FAMILY				
Paeonia californica California peony	i	-	-	-
PAPAVERACEAE - POPPY FAMILY				
Eschscholzia californica California poppy	i	i	o	i
POLYGONACEAE - BUCKWHEAT FAMILY				
Eriogonum elongatum long-stemmed buckwheat	i	o	-	-
Eriogonum fasciculatum California buckwheat	o	c	o	i
* Polygonum arenastrum common knotweed	-	-	i	-
* Rumex crispus curly dock	-	-	i	-
PRIMULACEAE - PRIMROSE FAMILY				
* Anagallis arvensis scarlet pimpernel	-	-	o	-
RHAMNACEAE - BUCKTHORN FAMILY				
Ceanothus megacarpus big-poded ceanothus	o	-	-	-
Rhamnus californica California coffeeberry	o	-	-	o

ROSACEAE - ROSE FAMILY	CHAP	CSCS	GR	OW
Adenostoma fasciculatum chamise	a	o	-	-
Cereocarpus betuloides mountain mahagany	a	o	-	-
Heteromeles arbutifolia toyon	o	o	-	i
Rubus ursinus California blackberry	i	-	-	o
RUBIACEAE - MADDER FAMILY				
Galium angustifolium narrow-leaved bedstraw	o	i	-	o
* Galium aparine goose grass	-	-	-	o
SCROPHULARIACEAE - FIGWORT FAMILY				
Castilleja affinis coast paintbrush	i	o	-	-
Diplacus longiflorus sticky monkey-flower	o	o	-	-
Keckiella cordifolia heart-leaved penstemon	o	o	-	-
SOLANACEAE - NIGHTSHADE FAMILY				
* Datura stramonium annual jimsonweed	-	-	i	-
* Nicotiana glauca tree tobacco	-	-	o	-
Solanum douglasii Douglas' nightshade	i	i	i	o
Solanum xanti chaparral nightshade	i	i	o	-

VERBENACEAE - VERVAIN FAMILY	CHAP	CSCS	GR	OW
Verbena lasiostachys western verbena	i	i	-	o
VISCACEAE - MISTLETOE FAMILY				
Phoradendron villosum oak mistletoe	-	-	-	o
ZYGOPHYLLACEAE - CALTROP FAMILY				
* Tribulus terrestris puncture vine	-	-	i	-
ANGIOSPERMAE (MONOCOTYLEDONES)				
AGAVACEAE - AGAVE FAMILY				
Yucca whipplei Spanish bayonet	o	c	-	-
ALLIACEAE - ONION FAMILY				
Allium sp. onion	i	i	o	-
Bloomeria crocea common golden stars	i	i	u	-
Dichelostemma pulchellum blue dicks	o	o	o	o

LILIACEAE - LILY FAMILY	CHAP	CSCS	GR	OW
Calochortus catalinae Catalina mariposa	i	i	i	-
Calochortus venustus mariposa	i	i	i	-
Chlorogalum pomeridianum soap plant	o	o	-	-
POACEAE - GRASS FAMILY				
* Avena barbata slender oat	o	o	a	o
* Bromus diandrus ripgut grass	o	o	a	o
* Bromus rubens foxtail chess	o	o	c	o
Elymus condensatus giant wild rye	i	a	-	o
* Hordeum murinum glaucous foxtail barley	i	i	o	o
* Hordeum leporinum hare barley	i	i	o	o
* Lolium multiflorum Italian ryegrass	-	-	o	o
Melica imperfecta coast range melic	o	o	-	i
* Oryzopsis miliacea millet ricegrass	i	i	-	i
Stipa coronata giant needlegrass	o	o	-	-
Stipa lepida small-flowered needlegrass	o	o	o	-
Vulpia megalura foxtail fescue	i	i	i	-

FAUNAL COMPENDIUM[1]

LEGEND

ABUNDANCE[2]

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)[3]

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

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[1] List includes species observed or expected to occur on or in the immediate vicinity of the site.

[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.

[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.

INVERTEBRATES

CLASS INSECTA - INSECTS

ORDER LEPIDOPTERA - BUTTERFLIES AND SKIPPERS

PAPILIONIDAE - SWALLOWTAILS AND PARNASSIANS

Papilio zelicaon zelicaon
anise swallowtail
larval food plant(s): various Apiaceae, including Foeniculum vulgare; citrus (Rutaceae)

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

Colias eurytheme

alfalfa butterfly
larval food plant(s): the non-native Medicago sativa; Lotus scoparius, Trifolium spp. and possibly Astragalus spp. (all Fabaceae)

Colias alexandra harfordii
Harford's sulfur
larval food plant(s): Astragalus spp. (Fabaceae)

Phoebis sennae marcellina
senna sulfur
larval food plant(s): non-native Cassia spp. (Fabaceae); in deserts, possibly natives C. armata and C. covesii

Eurema nicippe
nicippe sulfur
larval food plant(s): Cassia spp. and probably other Fabaceae

Anthocharis sara sara
Sara orangetip
larval food plant(s): Arabis spp., Barbarea vulgaris, Brassica kaber, Descurainea spp. and Sisymbrium officinale (all Brassicaceae)

DANAIDAE - MILKWEED BUTTERFLIES

Danaus plexippus
monarch
larval food plant(s): Asclepias spp. (Asclepiadaceae)

SATYRIDAE - SATYRS, ARCTICS AND RINGLETS

Coenonympha tullia california
California ringlet
larval food plant(s): both native and non-native grasses (Poaceae)

Cercyonis sthenele silvestris
sylvan satyr
larval food plant(s): grasses (Poaceae)

NYMPHALIDAE - BRUSH-FOOTED BUTTERFLIES

Euphydryas chalcedona chalcedona

chalcedon checkerspot, common checkerspot

larval food plant(s): most commonly Mimulus aurantiacus and Scrophularia californica (both Scrophulariaceae), but a variety of other hosts are also used (mainly Scrophulariaceae)

Melieaea (Chlosyne) leanira wrightii

Wright's leanira checkerspot

larval food plant(s): Castilleja spp. (Scrophulariaceae)

Nymphalis antiopa antiopa

mourning cloak

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

Vanessa atalanta rubria

red admiral

larval food plant(s): Urtica holosericea, and perhaps Parietaria spp. in deserts (both Urticaceae); widespread non-natives hops, Humulus lupulus (Moraceae) and baby's tears, Soleirolia soleirolii (Urticaceae)

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

Vanessa (Cynthia) carye anabella

west coast lady

larval food plant(s): Malva spp., Sidalcea spp. (Malvaceae), and Urtica holosericea (Urticaceae); Sphaeralcea ambigua (Malvaceae) in desert areas

Vanessa (Cynthia) virginiensis

Virginia lady

larval food plant(s): Gnaphalium spp., Anaphalis margaritacea (both Asteraceae)

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 virgulti
Behr's metalmark
larval food plant(s): probably Eriogonum fasiculatum 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 californicum
California hairstreak
larval food plant(s): Quercus spp. (Fagaceae)

Satyrium saepium chalcis
southern buckthorn hairstreak
larval food plant(s):

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 affinis perplexa
California green hairstreak
larval food plant(s): Lotus spp. (Fabaceae), Eriogonum 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)

Hemiargus isola alce
Mexican blue
larval food plant(s):

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

Euphilotes (Philotes) bernardino bernardino
Bernardino blue
larval food plant(s): Eriogonum fasciculatum sspp. fasciculatum, polifolium and foliolosum (Polygonaceae)

Glaucopsyche lygdamus australis
southern blue
larval food plant(s): Lotus scoparius (Fabaceae)

Celastrina argiolus echo
echo blue
larval food plant(s): Ceanothus spp. (Rhamnaceae), Cornus spp. (Cornaceae), Spiraea (Rosaceae) and possibly various Fabaceae

HESPERIIDAE - SKIPPERS

Lerodea eufala
eufala skipper
larval food plant(s): unidentified grasses (Poaceae)

Ochlodes sylvanoides sylvanoides
woodland skipper
larval food plant(s): unidentified grasses (Poaceae)

Ochlodes agricola agricola
rural skipper
larval food plant(s): grasses (Poaceae)

Atalopetes campestris
field skipper
larval food plant(s): grasses (Poaceae)

Polites sabuleti sabuleti
sandhill skipper
larval food plant(s):

Hesperia comma leussleri
Leussler's skipper
larval food plant(s):

Hesperia columbia
Columbia skipper
larval food plant(s):

Hylephila phyleus
fiery skipper
larval food plant(s): bermuda grass, Cynodon dactylon Poaceae

Heliopetes ericetorum
large white skipper
larval food plant(s): various Malvaceae, especially Malacothamnus fasciculatus

Pyrgus communis albescens
western checkered skipper
larval food plant(s): Malvaceae, especially Malva spp. and Sidalcea spp.

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

Erynnis tristis tristis
mournful duskywing
larval food plant(s): Quercus agrifolia, Q. lobata and Q. douglasii (Fagaceae)

Erynnis propterius propterius
western oak duskywing
larval food plant(s):

TERRESTRIAL VERTEBRATES

AMPHIBIANS

PLETHODONTIDAE - LUNGLESS SALAMANDERS	Abundance
Batrachoseps pacificus Pacific slender salamander	u
Batrachoseps nigriventris black-bellied salamander	u

BUFONIDAE - TRUE TOADS

Bufo boreas western toad	u

REPTILES

IGUANIDAE - IGUANID LIZARDS

Phrynosoma coronatum coast horned lizard	o
Sceloporus occidentalis western fence lizard	c
Uta stansburiana side-blotched lizard	c

SCINCIDAE - SKINKS

Eumeces skiltonianus western skink	f

TEIIDAE - WHIPTAIL LIZARDS

Cnemidophorus tigris western whiptail	o

ANGUIDAE - ALLIGATOR LIZARDS

Gerrhonotus multicarinatus southern alligator lizard	f

COLUBRIDAE - COLUBRID SNAKES	Abundance
Coluber constrictor racer	u
Diadophis punctatus ringneck snake	f
Lampropeltis getulus common kingsnake	f
Masticophis flagellum coachwhip	u
Masticophis lateralis striped racer	f
Pituophis melanoleucus gopher snake	c
Tantilla planiceps western black-headed snake	o

VIPERIDAE - VIPERS

Crotalus viridis western rattlesnake	f

BIRDS

CATHARTIDAE - NEW WORLD VULTURES

Cathartes aura turkey vulture	f,R

ACCIPITRIDAE - HAWKS

+	Elanus caeruleus northern harrier	o,W
+	Accipiter striatus sharp-shinned hawk	o,W
	Accipiter cooperii Cooper's hawk	u,W/s,R
+	Buteo lineatus red-shouldered hawk	u,R
	Buteo jamaicensis red-tailed hawk	f,R

FALCONIDAE - FALCONS	Abundance
Falco sparverius American kestrel	f,R
Falco mexicanus prairie falcon	s,W

PHASIANIDAE - PHEASANTS & QUAILS

+	Callipepla californica California quail	c,R

COLUMBIDAE - PIGEONS & DOVES

+	Zenaida macroura mourning dove	c,R

CUCULIDAE - CUCKOOS & ROADRUNNERS

	Geococcyx californianus greater roadrunner	u,R

TYTONIDAE - BARN OWLS

	Tyto alba barn owl	u,R

STRIGIDAE - TRUE OWLS

	Otus kennicottii western screech-owl	o,R
	Bubo virginianus great horned owl	f,R

CAPRIMULGIDAE - GOATSUCKERS

	Phalaenoptilus nuttallii common poorwill	u,S/u,T

APODIDAE - SWIFTS		Abundance
	Chaetura vauxi Vaux's swift	f,T
	Aeronautes saxatalis white-throated swift	f,R

TROCHILIDAE - HUMMINGBIRDS

	Archilochus alexandri black-chinned hummingbird	u,S
+	Calypte anna Anna's hummingbird	c,R
	Calypte costae Costa's hummingbird	o,T
	Selasphorus rufus rufous hummingbird	f,T
	Selasphorus sasin Allen's hummingbird	o,T

PICIDAE - WOODPECKERS

+	Melanerpes formicivorus acorn woodpecker	f,R
	Sphyrapicus ruber	s,W

	red-breasted sapsucker	
+	Picoides nuttallii	f,R
	Nuttall's woodpecker	
	Picoides pubescens	o,V
	downy woodpecker	
+	Colaptes auratus	f,W/f,T
	northern flicker	

TYRANNIDAE - TYRANT FLYCATCHERS

	Contopus borealis	u,T
	olive-sided flycatcher	
	Contopus sordidulus	f,T
	western wood-pewee	
	Empidonax hammondii	o,T
	Hammond's flycatcher	
	Empidonax difficilis	f,T
	Pacific-slope flycatcher	
	Sayornis nigricans	u,R
	black phoebe	
+	Sayornis saya	u,W
	Say's phoebe	

TYRANNIDAE - TYRANT FLYCATCHERS		Abundance
	Myiarchus cinerascens	f,S
	ash-throated flycatcher	
	Tyrannus verticalis	u,S
	western kingbird	

ALAUDIDAE - LARKS

	Eremophila alpestris	u,W
	horned lark	

HIRUNDINIDAE - SWALLOWS

	Tachycineta bicolor	f,T
	tree swallow	

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

CORVIDAE - JAYS & CROWS

+	Aphelocoma coerulescens scrub jay	c,R
+	Corvus brachyrhynchos American crow	c,R
+	Corvus corax common raven	f,R

PARIDAE - TITMICE

	Parus inornatus plain titmouse	f,R

AEGITHALIDAE - BUSHTITS

	Psaltriparus minimus bushtit	c,R

SITTIDAE - NUTHATCHES

		Abundance
	Sitta carolinensis white-breasted nuthatch	o,R

TROGLODYTIDAE - WRENS

	Thryomanes bewickii Bewick's wren	o,R

+	Troglodytes aedon house wren	f,W

MUSCICAPIDAE - KINGLETS, GNATCATCHERS, THRUSHES & BABBLERS

+	Regulus calendula ruby-crowned kinglet	f,W
+	Polioptila caerulea blue-gray gnatcatcher	u,R
	Sialia mexicana western bluebird	u,R
	Catharus guttatus hermit thrush	c,W
	Turdus migratorius American robin	f,W
+	Chamaea fasciata wrentit	u,R

MIMIDAE - THRASHERS

+	Mimus polyglottos northern mockingbird	f,R
+	Toxostoma redivivum California thrasher	u,R

PTILOGONATIDAE - SILKY-FLYCATCHERS

	Phainopepla nitens phainopepla	f,S

LANIIDAE - SHRIKES

	Lanius ludovicianus loggerhead shrike	o,R

	STURNIDAE - STARLINGS	Abundance
*	Sturnus vulgaris European starling	c,R
	VIREONIDAE - VIREOS	
	Vireo solitarius solitary vireo	o,T
	Vireo huttoni Hutton's vireo	f,R
	Vireo gilvus warbling vireo	f,T
	EMBERIZIDAE - WOOD WARBLERS, TANAGERS, BUNTINGS & BLACKBIRDS	
	Vermivora celata orange-crowned warbler	c,T
	Vermivora ruficapilla Nashville warbler	u,T
	Dendroica petechia yellow warbler	o,T
+	Dendroica coronata yellow-rumped warbler	c,W/f,T
	Dendroica nigrescens black-throated gray warbler	f,T
	Dendroica townsendi Townsend's warbler	f,T
	Dendroica occidentalis hermit warbler	u,T
	Oporornis tolmiei MacGillivray's warbler	o,T
	Geothlypis trichas common yellowthroat	f,T
	Wilsonia pusilla Wilson's warbler	c,T
	Piranga ludoviciana western tanager	f,T
	Pheucticus melanocephalus black-headed grosbeak	f,S

	Passerina amoena lazuli bunting	u,T
+	Pipilo chlorurus green-tailed towhee	s,T
+	Pipilo erythrophthalmus rufous-sided towhee	f,R
+	Pipilo crissalis California towhee	c,R

EMBERIZIDAE - WOOD WARBLERS, TANAGERS, BUNTINGS & BLACKBIRDS (continued)

		Abundance
	Chondestes grammacus lark sparrow	o,R
	Amphispiza belli sage sparrow	s,R
	Passerculus sandwichensis savannah sparrow	u,W
	Passerella iliaca fox sparrow	f,W
	Melospiza lincolnii Lincoln's sparrow	u,W
+	Zonotrichia atricapilla golden-crowned sparrow	f,W
+	Zonotrichia leucophrys white-crowned sparrow	c,W
	Junco hyemalis dark-eyed junco	f,W
	Agelaius phoeniceus red-winged blackbird	o,V
+	Sturnella neglecta western meadowlark	u,W
	Molothrus ater brown-headed cowbird	o,V
	Icterus galbula northern oriole	o,S

FRINGILLIDAE - FINCHES

+	Carpodacus mexicanus house finch	c,R

+	Carduelis psaltria lesser goldfinch	f,R
	Carduelis lawrencei Lawrence's goldfinch	o,V
	Carduelis tristis American goldfinch	u,W

MAMMALS

DIDELPHIDAE - NEW WORLD OPOSSUMS

*	Didelphis virginiana Virginia opossum	o

SORICIDAE - SHREWS	Abundance
Sorex ornatus ornate shrew	s
Notiosorex crawfordi desert shrew	o

VESPERTILIONIDAE - EVENING BATS[1]

Myotis yumanensis
Yuma myotis
Myotis evotis
long-eared myotis
Myotis thysanodes
fringed myotis
Myotis volans
long-legged myotis
Myotis californicus
California myotis
Myotis leibii
small-footed myotis
Pipistrellus hesperus
western pipistrelle
Eptesicus fuscus

big brown bat

Lasiurus borealis
red bat

Lasiurus cinereus
hoary bat

Plecotus townsendii
Townsend's big-eared bat

Antrozous pallidus
pallid bat

MOLOSSIDAE - FREE-TAILED BATS[1]

Tadarida brasiliensis
Brazilian free-tailed bat

Eumops perotis
western mastiff bat

LEPORIDAE - HARES & RABBITS	Abundance
Sylvilagus bachmani brush rabbit	u
Sylvilagus audubonii desert cottontail	f
Lepus californicus black-tailed jackrabbit	o

SCIURIDAE - SQUIRRELS

Spermophilus beecheyi California ground squirrel	c

GEOMYIDAE - POCKET GOPHERS

Thomomys bottae	u

[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.

Botta's pocket gopher

HETEROMYIDAE - POCKET MICE & KANGAROO RATS

Perognathus californicus California pocket mouse	u
Dipodomys agilis agile kangaroo rat	u

CRICETIDAE - NEW WORLD RATS & MICE

Reithrodontomys megalotis western harvest mouse	c
Peromyscus californicus California mouse	f
Peromyscus maniculatus deer mouse	c
Peromyscus boylii brush mouse	u
Neotoma fuscipes dusky-footed woodrat	f

MURIDAE - OLD WORLD RATS & MICE

*	Mus musculus house mouse	u

CANIDAE - WOLVES & FOXES	Abundance
Canis latrans coyote	f
Urocyon cinereoargenteus gray fox	o

MUSTELIDAE - WEASELS, SKUNKS & OTTERS

Mustela frenata	o

long-tailed weasel	
Taxidea taxus	s
badger	
Spilogale gracilis	u
western spotted skunk	
Mephitis mephitis	f
striped skunk	

FELIDAE - CATS

Felis concolor	s
mountain lion	
Felis rufus	o
bobcat	

CERVIDAE - DEERS

Odocoileus hemionus	u
mule deer	