

25. Tujunga Valley and Hansen Dam SEA

Location

General

The Tujunga Valley and Hansen Dam Significant Ecological Area (SEA) is located on the northern edge of the San Fernando Valley. The SEA consists of the Tujunga Valley and Wash, starting in the riparian areas of the Big Tujunga, which is the main tributary of the Los Angeles River, within the Angeles National Forest and stretching to include Hansen Dam, Hansen Dam Flood Control Basin, Hansen Dam Park, Hansen Dam Golf Course, Tujunga Wash, and industrial areas downstream of the Hansen Dam. The SEA is entirely in the City of Los Angeles. Most of the part of the SEA upstream, including the Hansen Dam, is a California Audubon-designated State Important Bird Area (IBA), which is part of the Los Angeles Flood Control Basin IBA. The Big Tujunga area is recognized for its great importance to migrating birds on the Pacific Flyway as well as the very rare habitat of alluvial fan scrub, which has uncommon resident birds. The Tujunga Wash above Hansen Dam and into the Angeles National Forest beyond the SEA is designated critical habitat for the federally-threatened Santa Ana sucker (*Catostomus santaanae*). Two other fishes of the original native four for the Los Angeles River also occur in the Wash and upstream in the Big Tujunga: arroyo chub (*Gila orcuttii*) and an unnamed subspecies of the speckled dace group (*Rhinichthys osculus* ssp. 3).

The SEA is located within portions of the United States Geological Survey (USGS) 7.5' California Quadrangles: San Fernando, Sunland and Van Nuys.

General Boundary and Resources Description

The SEA boundary encompasses the Tujunga Valley Wash and the Hansen Dam Recreation area. The SEA begins in the Angeles National Forest downstream of the confluence of Pipe Canyon with the Big Tujunga, and generally includes the Wash area for much of its extent. The Wash most of the time has water, and from downstream at Hansen Lake (in the Hansen Dam Park) to beyond the upstream area of the SEA, is critical habitat for the federally-threatened Santa Ana sucker (*Catostomus santaanae*). This critical habitat extends beyond the SEA and beyond the Big Tujunga Dam to near the headwaters in both Mill Creek and the Upper Big Tujunga Canyon. The state fish species of concern, speckled dace (*Rhinichthys osculus* ssp. 3) and arroyo chub (*Gila orcuttii*) also occur here. A finger extends off the Wash, up a ridge with native chaparral habitat towards Mount Lukens. The boundary travels east to west, and the Wash receives multiple tributaries from the north and south as it flows west. The northeastern end of the Los Angeles Flood Basins IBA begins at about the crossing of Oro Vista Avenue over the Big Tujunga Wash. The clubhouse part of the Angeles National Golf Club next to Foothill Boulevard is excluded from the SEA, but most of the golf course, which has the natural braids of the wash running among its greens, is included in the SEA. East and adjacent to the golf course is a state reserve area for the state and federally-endangered slender-horned spineflower (*Dodecahema leptoceras*). This diminutive wash plant is known locally from Santa Clarita to the east end of the San Bernardino Mountains, and south to the Santa Ana Mountains. It is endangered due to all kinds of development that alters wash flood plains. The golf course area once had and may still have some plants.

The Wash, golf course, and the reserve area have an unusual remnant vegetation of alluvial fan scrub, with California junipers (*Juniperus californica*), cactus patches of prickly-pear (*Opuntia littoralis*) and cholla (*O. parryi*), in conjunction with the usual riparian and scrub plants. The very sensitive coastal cactus wren (*Campylorhynchus brunneicapillus sandiegensis*) is in residence in this area. The natural area of riparian vegetation is on the banks of the Wash, golf course, and reserve

next to the Wash, as well as with a remnant native forest in the stream course of Haines Canyon Creek, which joins the Wash at the golf course. This kind of habitat, which once covered the bajada of coalescing coastal alluvial fans next to the mountains of the County has been nearly extirpated by development and flood control. It is only represented in a few places in the County. The San Gabriel Canyon SEA has another example at the Santa Fe Dam Recreation Area. Migratory waterfowl often use the ponds of the golf course that are filled by Haines Canyon Creek and the Big Tujunga. The alluvial fan habitat mixed with riparian forest continues across the Interstate-210 as the Big Tujunga Wash approaches and flows into Hansen Dam Park.

The SEA has a broad undercrossing of the Interstate-210, which includes a braid of its tributary Haines Canyon Creek crossing under Foothill Boulevard next to Wentworth Street. The Wentworth Street undercrossing is important to wildlife, as it connects to somewhat dispersed horse ranchettes in the Shadow Hills and from there to the natural areas of the Verdugo Mountains and the Verdugo Mountains SEA. Mountain lions may live in the Verdugo Mountains, which would be an important connection for that population as well as for other animals and plants of the Verdugo Mountains.

The Hansen Dam Park is a meeting area for migratory birds with its perennial water and riparian forest that includes some giant sycamores (*Platanus racemosa*) and cottonwoods (*Populus fremontii*). It is a favorite of bird watchers, and the species list has about 260 species. Unusual species have been observed here, such as the federally-endangered coastal California gnatcatcher (*Poliophtila californica californica*). Downstream of the Dam, the Hansen Dam Golf Course is included as an ETA, since the pools and mix of native riparian vegetation along with the ornamentals is attractive to wildlife. The downstream side of the earthen Hansen Dam has been planted with coastal sage scrub, and may be attractive to the gnatcatcher. The quarry and recharge areas have many spots of willow scrub and occasional other native vegetation. The quarry and the recharge pool areas are included in the SEA as ETAs up to the undercrossing of San Fernando Boulevard.

The area southwest of the Dam is used as a spreading ground. This has created several freshwater marsh areas that are used by marsh birds, migratory waterfowl, and shore birds. The area is also valuable as a wildlife corridor. The vegetation in the Tujunga Valley runs nearly uninterrupted from the foot of the Verdugo Mountains well up into the San Gabriel Mountains. The area has been recognized for its importance, and is used by the Audubon Society and local universities and colleges as a sample of a rapidly disappearing habitat type. As a result, the resources of the area are well known.

Vegetation

The SEA possesses several important features. The floodplain behind Hansen Dam supports one of the last examples of open coastal sage scrub vegetation that was once found in the numerous arroyos of the Los Angeles Basin. Portions of the river bottom have surface moisture, and support small pockets of fresh water marsh, which is another limited resource in the County. The remainder of the arroyo and surrounding hillsides are dry, and support several species of plants that are otherwise found only on the desert slopes of the San Gabriel Mountains. Populations of Nevin's barberry (*Berberis nevinii*) and slender-horned spineflower have been found in the Tujunga Valley Wash. Both species are extremely limited in distribution and have been placed on the federal endangered species list.

Vegetation within the SEA is comprised of a variety of community types. The diversity of the communities reflects the topography of the area. All plant species observed or recorded in previous documentation within the SEA are indicated in the *Comprehensive Floral & Faunal Compendium* of the *Los Angeles County SEA Update Study 2000 Background Report*. Sensitive plant species and plant communities occurring or potentially occurring within the SEA are discussed in the Sensitive Biological Resources section.

Descriptions and general locations of the each plant community present within the SEA are given below.

Chaparral: A shrub community composed of robust species. Within this SEA, a number of chaparral sub-communities are found, which are differentiated by their dominant plant species. These include chamise (*Adenostoma fasciculatum*), buck brush (*Ceanothus* spp.), scrub oak (*Quercus berberidifolia*), interior live oak (*Quercus wislizenii*) and mosaics of these depending on mixes of species and elevation. These and other shrub species form dense vegetation covers growing 5 to 10 feet in height. The development of chaparral is pronounced over large hillside areas throughout the SEA.

Corresponding MCV communities:

- *Adenostoma fasciculatum* (chamise chaparral) Shrubland Alliance
- *Adenostoma fasciculatum-Salvia apiana* (chamise-white sage chaparral) Shrubland Alliance
- *Ceanothus greggii* [vestitus] (cup leaf ceanothus chaparral) Shrubland Alliance
- *Ceanothus oliganthus* (hairy leaf ceanothus chaparral) Shrubland Alliance
- *Prunus ilicifolia* (holly leaf cherry chaparral) Shrubland Alliance
- *Rhus ovata* (sugarbush chaparral) Shrubland Alliance

Coastal Sage Scrub: Consists of drought-deciduous, low, soft-leaved shrubs and herbs on gentle to steep slopes under 1,500 feet in elevation. This community is dominated by California sagebrush, California buckwheat (*Eriogonum fasciculatum*), black sage (*Salvia mellifera*), purple sage (*Salvia leucophylla*), and California brittle bush (*Encelia californica*). Coastal sage scrub is distributed throughout the SEA along dry ridgelines, slopes, and other areas previously disturbed by fire.

Corresponding MCV communities:

- *Artemisia californica* (California sagebrush scrub) Shrubland Alliance
- *Artemisia californica-Salvia mellifera* (California sagebrush-black sage scrub) Shrubland Alliance
- *Artemisia californica-Eriogonum fasciculatum* (California sagebrush-California buckwheat scrub) Shrubland Alliance
- *Encelia californica* (California brittle bush scrub) Shrubland Alliance
- *Dendromecon rigida* (bush poppy scrub) Shrubland Alliance
- *Diplacus* [Mimulus] *aurantiacus* (bush monkeyflower scrub) Shrubland Alliance
- *Salvia apiana* (white sage scrub) Shrubland Alliance
- *Salvia leucophylla* (purple sage scrub) Shrubland Alliance
- *Salvia mellifera* (black sage scrub) Shrubland Alliance
- *Eriogonum fasciculatum* (California buckwheat scrub) Shrubland Alliance
- *Lotus scoparius* [*Acmispon glaber*] (deer weed scrub) Shrubland Alliance

Non-Native Grassland: Consists of dominant invasive annual grasses that are primarily of Mediterranean origin. Dominant species found within this community include wild oat (*Avena fatua*), slender oat, red brome, ripgut brome (*Bromus diandrus*), and herbs such as black mustard and wild radish. Non-native grasslands are located in small to large patches throughout the SEA in previously disturbed areas, cattle pastures, valley bottoms, and along road sides.

Corresponding MCV communities:

- *Avena* (*barbata*, *fatua*) Semi-Natural Herbaceous Stands
- *Brassica* (*nigra*) and other mustards Semi-Natural Herbaceous Stands
- *Bromus* (*diandrus*, *hordeaceus*)-*Brachypodium distachyon* Semi-Natural Herbaceous Stands

- *Bromus rubens*-*Schismus* (*arabicus*, *barbatus*) Semi-Natural Herbaceous Stands
- *Lolium perenne* ([*Festuca perennis*] perennial rye grass fields) Semi-Natural Herbaceous Stands

Coast Live Oak Woodland: Dominated by coast live oak (*Quercus agrifolia* var. *agrifolia*) with a poorly developed shrub layer, which may include toyon (*Heteromeles arbutifolia*), golden currant (*Ribes aureum*), laurel sumac (*Malosma laurina*), western blue elderberry (*Sambucus nigra* var. *caerulea*), and mulefat (*Baccharis salicifolia*). Some coast live oak woodlands in the area include scattered Southern California black walnut (*Juglans californica*) or valley oak (*Quercus lobata*). This community occurs throughout the SEA and generally along canyon bottoms and more mesic north-facing slopes.

Corresponding MCV communities:

- *Quercus agrifolia* (coast live oak woodland) Woodland Alliance

Cottonwood-Willow Riparian Forest: An open broad-leaved winter-deciduous riparian forest dominated by Fremont cottonwood (*Populus fremontii*), arroyo willow (*Salix lasiolepis*), and red willow (*Salix laevigata*). This community occurs in segments along of many of the drainages, ponds, and lakes throughout the SEA.

Corresponding MCV communities:

- *Populus fremontii* (Fremont cottonwood woodlands) Forest Alliance
- *Salix lasiolepis* (arroyo willow thickets) Woodland Alliance
- *Salix laevigata* (red willow thickets) Woodland Alliance

Freshwater Marsh: Small areas supporting freshwater marsh are found at scattered locations. Freshwater marsh requires perennially shallow water or saturated soils. Dominant plants are emergent species including cattails and bulrushes.

Corresponding MCV communities:

- *Phragmites australis* (common reed marshes) Herbaceous Alliance and Semi-Natural Stands
- *Schoenoplectus californicus* (California bulrush marsh) Herbaceous Alliance
- *Typha* (*angustifolia*, *domingensis*, *latifolia*) (cattail marshes) Herbaceous Alliance
- *Lemna* (*minor*) and relatives Provisional (duckweed blooms) Herbaceous Alliance

Disturbed or Barren Areas: Areas that either completely lack vegetation or are dominated by ruderal species. Ruderal vegetation typically found within the SEA include non-native grasses and a high proportion of weedy species, including black mustard and thistle species. Several disturbed areas are scattered throughout the SEA and take the form of residential developments, paved roads, fire breaks, dirt access roads, trails, and other similarly disturbed areas.

Corresponding MCV communities:

No corresponding communities at this time

Wildlife

Wildlife within the SEA is generally diverse and abundant due to large acreages of natural open space and diversity of habitat types. While a few wildlife species are entirely dependent on a single vegetative community, the entire mosaic of all the vegetation communities within the SEA and adjoining areas constitutes a functional ecosystem for a variety of wildlife species, both within the SEA and as part of the regional ecosystem.

The analysis of invertebrates in this study is severely limited due to the lack of data; the SEA, however, undoubtedly supports healthy populations of a diverse assortment of invertebrate species. The native fish populations have been augmented with many additions of non-native fishes from other places, particularly those that are often fished. Amphibian populations are plentiful in the SEA due to the high moisture content provided by freshwater marshes present, as well as the large number of drainages and flood control basin.

The SEA is also likely to support a variety of amphibians within the moister woodland areas and canyon bottoms. Common amphibians to the area are salamanders, Baja California chorus frog (*Pseudacris hypochondriaca*), and California toad (*Anaxyrus halophilus*). Many essential reptilian habitat characteristics are present within the SEA. These include rock outcroppings that allow for high visibility and small mammal burrows for cover and escape from predators and extreme weather. These characteristics, as well as the variety of habitat types present, are likely to support a wide variety of reptilian species. Common reptiles to the area are lizards and snakes. The area southwest of the Dam is used as a spreading ground. This has created several fresh water marsh areas that are used by marsh birds, migratory waterfowl, and shore birds. The many year-round water sources located throughout the SEA provide for abundant raptor foraging, perching, and nesting habitat along the slopes of the San Gabriel and Verdugo Mountain Ranges.

The scrubland, woodland, riparian, and grassland habitats in the SEA provide foraging and cover habitat for year-round residents and seasonal residents. Within the Hansen Dam Recreation Area, the mammals that are expected to be found are typical of those that would “occur regularly in disturbed areas and the urban edge.” These include California ground squirrel (*Spermophilus beecheyi*), Botta’s pocket gopher (*Thomomys bottae*), Virginia opossum (*Didelphis virginiana*), desert cottontail (*Sylvilagus audubonii*), striped and spotted skunks (*Mephitis mephitis* and *Spilogale gracilis*), raccoon (*Procyon lotor*), coyote (*Canis latrans*), mule deer (*Odocoileus hemionus*), etc. The combination of these resources, as well as the confluence of many community types provides a high diversity of animal species.

Wildlife Movement

Although wildlife movement is hampered by development surrounding the SEA to the south, animals are still able to move through the adjacent hills and valleys, and through the Verdugo Mountains, well up into the San Gabriel Mountains. Due to its large size and topographic complexity, many linkages are certain to occur within the SEA at various bottlenecks. These linkages allow movement between large open space areas within the SEA. Although there are significantly large open spaces within the SEA, contiguous habitat linkages between them are critical in reducing bottlenecks and providing for long-term sustainability. A wide variety of wildlife use linkages throughout the SEA, including mountain lion (*Puma concolor*), coyote, mule deer, bobcat (*Lynx rufus*), and a number of medium-sized mammals. The Wentworth Street underpass of Interstate-210 is a conduit for wildlife through the dispersed residential neighborhoods of the Shadow Hills. The Shadow Hills are the westernmost extent of the Verdugo Mountains, which provide a large area of natural habitat for wildlife.

Sensitive Biological Resources

Sensitive biological resources are habitats or individual species that have special recognition by federal, state, or local conservation agencies and organizations as endangered, threatened, and/or rare. This is due to the species’ declining or limited population sizes, which usually results from habitat loss. Watch lists of such resources are maintained by the California Department of Fish and Game (CDFG), the United States Fish and Wildlife Service (USFWS), and special groups, such as the California Native Plant Society (CNPS). The following sections indicate the habitats as well as plant and animal species present, or potentially present within the SEA, which have been accorded special recognition. When species are federally-listed as endangered or threatened, they often have

federally-designated, geographically-specific “critical habitat areas.” Critical habitat areas, after extensive study by experts, are judged to be essential to conservation and maintenance of the species. Most of the stream course of this SEA is critical habitat for the federally-threatened Santa Ana sucker, and also provides habitat for two co-occurring native fish of state concern, the speckled dace and the arroyo chub.

Sensitive Plant Communities and Habitats

The SEA supports several habitat types considered sensitive by resource agencies. These are inventoried by California Department of Fish and Game (CDFG) in the California Natural Diversity Database (CNDDDB) [2011]. The CNDDDB includes state and federally-listed endangered, threatened, and rare vascular plants, as well as several sensitive vertebrate species. The array and composition of these communities has been discussed earlier in this section (see Section 2, Vegetation, above). These communities include chamise-white sage chaparral, holly leaf cherry chaparral, California brittle bush scrub, bush monkeyflower scrub, white sage scrub, and Fremont cottonwood woodlands, which occur throughout the SEA. These communities, or closely related designations, are considered high priority communities by the CDFG, which indicates that they are experiencing a decline throughout their range. The array and composition of these communities has been discussed in the Vegetation section.

Sensitive Plant Species

The statuses of rare plants are hierarchically categorized by the CNPS using a rank and decimal system. The initial category level of Rare Plant Rank is indicated by the ranks 1A (presumed extinct in California), 1B (rare or endangered in California and elsewhere), 2 (rare or endangered in California but more common elsewhere), 3 (more information needed, a review list), and 4 (limited distribution). In cases where the CNPS has further identified the specific threat to the species, a decimal or Threat Code is added: .1 (seriously endangered in California), .2 (fairly endangered in California), or .3 (not very endangered in California).

The following special-status plant taxa have been reported or have the potential to occur within the SEA, based on known habitat requirements and geographic range information:

- Braunton's milk-vetch (*Astragalus brauntonii*) FE, RPR 1B.1
- Nevin's barberry (*Berberis nevinii*) FE, SE, RPR 1B.1
- Lewis' evening-primrose (*Camissonia lewisii*) RPR 3
- Southern tarplant (*Centromadia parryi* ssp. *australis*) RPR 1B.1
- San Fernando Valley spineflower (*Chorizanthe parryi* var. *fernandina*) FC, SE, RPR 1B.1
- Parry's spineflower (*Chorizanthe parryi* var. *parryi*) RPR 1B.1
- Slender-horned spineflower (*Dodecahema leptoceras*) FE, SE, RPR 1B.1
- Mesa horkelia (*Horkelia cuneata* ssp. *puberula*) RPR 1B.1
- Coulter's goldfields (*Lasthenia glabrata* ssp. *coulteri*) RPR 1B.1
- Davidson's bushmallow (*Malacothamnus davidsonii*) RPR 1B.2
- White rabbit-tobacco (*Pseudognaphalium leucocephalum*) RPR 2.2
- Chaparral ragwort (*Senecio aphanactis*) RPR 2.2
- Greata's aster (*Symphotrichum greatae*) RPR 1B.3
- Slender mariposa lily (*Calochortus clavatus* var. *gracilis*) RPR 1B.2
- Plummer's mariposa lily (*Calochortus plummerae*) RPR 1B.2
- California satintail (*Imperata brevifolia*) RPR 2.1

Sensitive Animal Species

The following special-status animal species are reported or have the potential to occur within the SEA, based on known habitat requirements and known range attributes:

- California red-legged frog (*Rana draytonii*) FT, SSC
- Western spadefoot (*Spea hammondi*) BLMS, SSC
- Coast Range newt (*Taricha torosa*) SSC
- Silvery legless lizard (*Anniella pulchra pulchra*) FSS, SSC
- Coastal whiptail (*Aspidoscelis tigris stejnegeri*) CDFG Special Animals List
- Western pond turtle (*Emys marmorata*) BLMS, FSS, SSC
- Coast horned lizard (*Phrynosoma blainvillii*) BLMS, FSS, SSC
- Two-striped garter snake (*Thamnophis hammondi*) BLMS, FSS, SSC
- Cooper's hawk (*Accipiter cooperii*) CDFG Watch List
- Southern California rufous-crowned sparrow (*Aimophila ruficeps canescens*) CDFG Watch List
- Bell's sage sparrow (*Amphispiza belli belli*) BCC, CDFG Watch List
- Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*) FC, BCC, FSS, SE
- White-tailed kite (*Elanus leucurus*) CDFG Fully Protected
- Southwestern willow flycatcher (*Empidonax traillii extimus*) FE, FSS, SE, USBC, AWL, ABC
- California horned lark (*Eremophila alpestris actia*) CDFG Watch List, LAA
- Prairie falcon (*Falco mexicanus*) BCC, CDFG Watch List, LAA
- American peregrine falcon (*Falco peregrinus anatum*) BCC, FSS, SE, CDF, CDFG Fully Protected, AWL, ABC
- Coastal California gnatcatcher (*Poliophtila californica californica*) FT, SSC, USBC, AWL, ABC
- Least Bell's vireo (*Vireo bellii pusillus*) FE, BCC, SE, USBC, AWL, ABC
- Pallid bat (*Antrozous pallidus*) FSS, BLMS, SSC, WBWG High
- Spotted bat (*Euderma maculatum*) BLMS, SSC, WBWG High
- Western mastiff bat (*Eumops perotis californicus*) BLMS, SSC, WBWG High
- Silver-haired bat (*Lasionycteris noctivagans*) WBWG Medium
- Hoary bat (*Lasiurus cinereus*) WBWG Medium
- Western yellow bat (*Lasiurus xanthinus*) WBWG High
- San Diego black-tailed jackrabbit (*Lepus californicus bennettii*) SSC
- California leaf-nosed bat (*Macrotus californicus*) FSS, SSC, WBWG High
- San Diego desert woodrat (*Neotoma lepida intermedia*) SSC
- Big free-tailed bat (*Nyctinomops macrotis*) SSC, WBWG Medium-High
- Southern grasshopper mouse (*Onychomys torridus ramona*) SSC
- Los Angeles pocket mouse (*Perognathus longimembris brevinasus*) FSS, SSC
- American badger (*Taxidea taxus*) SSC
- Santa Ana sucker (*Catostomus santaanae*) FT, SSC
- Arroyo chub (*Gila orcuttii*) SSC
- Santa Ana speckled dace (*Rhinichthys osculus* ssp. 3) SSC

Ecological Transition Areas (ETAs)

ETAs in this SEA are chiefly on the south side of Hansen Dam and include the dam restoration of coastal sage scrub, the golf course with intermixed native and ornamental plants, a quarry, and the spreading grounds along the course of the Tujunga Creek. These areas are very attractive to birds, both residents and migrants, and connect the values of the SEA resource area to areas both upstream and downstream from the SEA.

Regional Biological Value

The SEA meets all SEA designation criteria and supports many regional biological values. Each criterion and how it is met is described below.

CRITERIA ANALYSIS OF THE TUJUNGA VALLEY AND HANSEN DAM SEA

	Criterion	Status	Justification
A)	The habitat of core populations of endangered or threatened plant or animal species.	Met	The Tujunga Valley Wash supports populations of the federally-endangered plants Nevin’s barberry and slender-horned spineflower. Most of the SEA is critical habitat for the federally-threatened Santa Ana sucker. Two other sensitive native fishes, speckled dace and arroyo chub, co-occur with the sucker. Coastal California gnatcatcher may be a resident of the area. The coastal cactus wren nests in the alluvial fan vegetation of the SEA.
B)	On a regional basis, biotic communities, vegetative associations, and habitat of plant or animal species that are either unique or are restricted in distribution.	Met	The stream is naturally perennial, but largely controlled by the upstream Big Tujunga Dam. Similar wash and floodplain habitat of these plants and fishes is under considerable pressure from development and from flood-control hard channelization throughout Southern California. The rarity of the vegetation extends to other biota that use these areas, and these plants are indicators for a widespread loss of this kind of habitat. Several birds considered species of special concern occur in the SEA. They typically occupy alluvial scrub areas ,such as the outwash fans formerly found where mountain canyons exit onto the plain of the Los Angeles Basin, and are in this habitat in the SEA.
C)	Within the County, biotic communities, vegetative associations, and habitat of plant or animal species that are either unique or are restricted in distribution	Met	The wash and floodplain habitat of these plants, fishes, and birds is under considerable pressure from development and for flood-control hard channelization throughout Los Angeles and is much diminished from the continuous habitat it once was.
D)	Habitat that at some point in the life cycle of a species or group of species, serves as concentrated breeding, feeding, resting, or migrating grounds and is limited in availability either	Met	This SEA is located on one of the main tributaries of the Los Angeles River, Tujunga Canyon and connects with the Hansen Dam flood and recharge area. In spite of the channelization of the Los Angeles River, this

	regionally or in the County.		area is still an important connecting and migration area for plants and wildlife between the San Gabriel Mountains, the Verdugo Mountains, and the San Fernando Valley. It is an important rest area for aerial fauna traveling between the Santa Monica Mountains and the San Gabriel Mountains.
E)	Biotic resources that are of scientific interest because they are either an extreme in physical/geographical limitations, or represent unusual variation in a population or community.	Met	The scarcity of natural alluvial wash and fan habitats in Los Angeles ensures that the remaining ones are good areas for scientific study of birds and other organisms that were once more common in the Los Angeles area.
F)	Areas that would provide for the preservation of relatively undisturbed examples of the original natural biotic communities in the County.	Met	The Tujunga Valley Wash is a relatively undisturbed example of the alluvial washes and fans that once lined the mountains of Los Angeles. It is near a fresh water marsh area used as a spreading ground that is southwest of the dam. A fresh water marsh near the stream exit from the mountains would have been typical of the former configuration with faults along the mountain base, creating uneven ground that would contain marsh pockets. Now most of this type of area has been developed for residences, and most of the washes have been altered as flood control projects. The Wash, therefore, is important to preserve.

In conclusion, the area is an SEA because it contains: A) the habitat of core populations of endangered and threatened plant and animal species; B-C), biotic communities, vegetative associations, and habitat of plant or animal species that are restricted in distribution on a regional basis and limited in availability in the County; D) habitat for breeding, feeding, resting, and migrating that is limited both in the County and regionally; E) biotic resources that are of scientific interest because they are either an extreme in physical/geographical limitations, or represent unusual variation in a population or community; and F) areas that provide for the preservation of relatively undisturbed examples of original natural biotic communities in the County.

25. Tujunga Valley and Hansen Dam SEA Sources

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