Appendix D

Special Status Plant and Animal Species Tables

Table 1. Special-Status Plant Species that Occur or Have Potential to Occur in or near the Project Area

Common and Scientific Name	Legal Status[a] Federal/State /CNPS	Habitat Requirements	Distribution in California	Occurrence in the Project Area
Plants				
California suaeda (*Suaeda california*)	E/--/1B	Margins of coastal salt marsh	Extirpated from San Francisco Bay area; known only from Morro Bay	None observed during rare plant surveys
Fragrant fritilary (*Fritilaria liliacea*)	--/--/1B	Coastal prairie, coastal scrub, valley and foothill grassland; often on serpentinite	Central coastal counties	Habitat at HAAF and the project area not likely to be suitable; none observed during rare plant surveys
Hairless popcorn-jewel flower *(plagiobothrys glaber)*	CNPS 1A	Alkali meadow, coastal salt marsh	Coastal valleys from Marin County to San Benito County	Habitat present in one location; possibly extirpated
Marin dwarf-flax (*Hesperolinon congestum*)	T/T/1B	Serpentine soils in grassland or chaparral habitats	San Francisco Bay area	No suitable habitat at HAAF and study area; none seen during field surveys
Marin knotweed (*Polygonum marinense*)	--/--/3	Coastal salt marsh	Marin, Napa, and Sonoma Counties	None observed during rare plant surveys
Mason's quilwort (*Liliaeopsis masonii*)	--/R/1B	Brackish and freshwater marshes and swamps, riparian scrub	San Francisco Bay and Delta areas	No suitable habitat in the project area; none observed during rare plant field surveys
Mount Tamalpais jewelflower (*Strepanthus glandulosus* spp. *pulchellus*)	--/--1B	Chaparral and grasslands with serpentine soils	Marin County	No suitable habitat; none observed during rare plant field surveys
North Coast semaphore grass *(pleuropogon hooverianus)*	FSC/ST/ CNPS 1B	Freshwater wetlands	Scattered locations in Marin, Sonoma, and Mendocino counties	None observed; presence unlikely

Common and Scientific Name	Legal Status[a] Federal/State /CNPS	Habitat Requirements	Distribution in California	Occurrence in the Project Area
Petaluma popcornflower (*Plagiobothrys mollis* var. *vetitus*)	--/--/1A	Habitat requirements uncertain; possibly salt marsh or mesic grasslands	Known only from type speciment in 1988 near Petaluma	None observed during rare plant surveys
Point Reyes checkerbloom *(sidalcea calycosa ssp. Rhizomata)*	FCS/CNPS 1B	Coastal freshwater marsh	North Coast and northern Central Coast: Marin, Sonoma, and Mendocino counties	None observed; presence unlikely
Point Reyes bird's-beak (*Cordylanthus maritimus* ssp. *palustris*)	--/--1B	Salt marshes	Northern California coastal counties	None observed during rare plant field surveys
Round-headed beaked-rush (*Rhynchospora globularis*)	--/--/2	Freshwater marsh	Sonoma County	None observed during field surveys
Soft bird's-beak (*Cordylanthus mollis* ssp. *mollis*)	E/R/1B	Upper marsh elevations that are regularly inundated but above area receiving daily flooding	San Francisco Bay area counties	None observed during field surveys
Sonoma alopecurus (*Alopecurus aequalis* var. *sonomensis*)	E/--/1B	Wet meadows, freshwater marsh, and riaprian scrub	Marin and Sonoma Counties	Habitat unlikely to occur in the project area; none observed during rare plant field surveys at HAAF
Suisun thistle (*Cirsium hydrophilium* var. *hydrophilum*)	E/--/1B	Brackish tidal marsh and salt marsh	Solano County	None observed during rare plant field surveys at HAAF
Swamp harebell (*Campanula californica*)	--/--/1B	Freshwater marsh, bogs, and mesic sites in conifer forests and grasslands	Central and northern counties of California	Habitat unlikely to occur in the project area; none observed during rare plant field surveys at HAAF
Thurber's reed grass (*Calamagrostis crassiglumis*)	--/--1B	Freshwater and mesic sites in coastal prairie	Northern California counties	None observed during rare plant field surveys at HAAF

Note: Unless otherwise indicated, all survey results are taken from U.S. Army Corps of Engineers 1996.

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California Native Plant Society

1A = List 1A species: presumed extinct in California.

1B = List 1B species: rare, threatened, or endangered in California and elsewhere.

2 = List 2 species: rare, threatened, or endangered in California but more common elsewhere.

3 = List 3 species: plants about which more information is needed to determine their status.

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Tab. 2. Special-Status Wildlife Species that Occur or Have Potential to Occur in or near the Project Area

Common and Scientific Name	Legal Status[a] Federal/State	Habitat Requirements	Distribution in California	Occurrence in the Project Area
Invertebrates				
California freshwater shrimp (*Syncaris pacifica*)	E/E	In pool areas of low-elevation, low gradient, permanent streams; among live tree roots of undercut banks, under overhanging woody debri or vegetation	Endemic to Marin, Napa, and Sonoma Counties; extant populations in Lagunitas Creek in Marin Co., Huichica Creek in Napa Co., and Franz, East Austin, Sonoma, and Salmon Creeks in Sonoma Co.	No records; no suitable stream habitat
Ricksecker's water scavenger beetle (*Hydrochara ricksecker*i)	SC/--	Aquatic in vernal pools, ponds, and seasonal wetlands	San Francisco Bay Area including San Mateo, Sonoma, Alameda, and Marin Counties; Also in Solano and Sacramento Counties	No records; nearest record is at Bolinas; no suitable habitat at project site
San Francisco forktail damselfly (*Ischnura gemina*)	SC/--	Occurs in small, shallow ponds, marshes, and human-made channels with sparse emergent vegetation	Endemic to San Francisco Bay Area; extant populations in Marin County south to Santa Cruz County	No records; drainage channel near HAAF is considered marginal-quality habitat
Marin elfin butterfly (*Incisalia mossii*)	SC/--	Occurs in Marin County where Pacific stonecrop occurs	Marin County	No records; Pacific stonecrop was not found in the project area; no suitable habitat is present
Fish				
Tidewater goby (*Eucyclogobius newberryi*)	E/SSC	Shallow lagoons and lower reaches of streams	Coastal California	Observed at mouth of Novato Creek in 1945, although not assumed to be present any longer; tidal marshes in the project area and channel at project site are considered marginal-quality habitat

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Sacramento splittail (*Pogonichthys macrokepidotus*)	T/SSC	Generally restricted to tidal freshwater and low-salinity habitats	Generally upstream of San Pablo Bay	No records; no suitable habitat in the project area
Longfin smelt (*Spirinchus thaleichthys*)	SC/SSC	Spawns in lower Sacramento-San Joaquin River and Suisun Bay; prespawning adults and juveniles inhabit shoal areas of San Pablo Bay	Lower Sacramento-San Joaquin River, Suisun Bay, and San Pablo Bay	Could occur in or near the tidal marsh at and adjacent to HAAF
Central Valley Steelhead (*Oncorhynchus mykiss*)	T/SSC	Spawns in fresh water; juveniles rear in fresh and estuarine water before migrating to the ocean	Central Valley rivers and streams	Juveniles migrating to the ocean may use these areas to rear. Steelhead known in Novato Creek.
Chinook Salmon:		Spawns in fresh water; juveniles rear in fresh and estuarine water before migrating to the ocean	Central Valley rivers and streams	Juveniles migrating to the ocean may use these areas to rear; San Pablo Bay is within the critical habitat defined for winter-run chinook salmon. Chinook reported in Arroyo San Jose in 2001.
winter-run	E/E			
spring-run	T/C			
fall and late fall-run (*Oncorhynchus tshawytscha*)	PT/SSC			
Coho Salmon: Central California ESU (*Oncorhynchus kisutch*)	T/E	Cool, clear water with spawning gravel; migrate to the ocean to feed and grow until sexually mature	Punta Gorda, Humboldt Co. to San Lorenzo River, Santa Cruz Co.	Coho run extirpated in SF Bay, strays only.

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Amphibians				
California tiger salamander (*Ambystoma californiense*)	C/SSC	Small ponds, lakes, or vernal pools in grasslands and oak woodlands for larvae; rodent burrows, rock crevices, or fallen logs for cover for adults and for summer dormancy; does not occur in brackish water or saltwater habitats	Central Valley, including Sierra Nevada foothills, up to approximately 1,000 feet, and coastal region from Butte County south to Santa Barbara County	No records; no suitable freshwater habitat; not expected to occur in the project area
California red-legged frog (*Rana aurora draytonii*)	T/SSC	Permanent and semi-permanent aquatic habitats, such as creeks and coldwater ponds, with emergent and submergent vegetation and riparian species along the edges; may estivate in rodent burrows or cracks during dry periods	Found along the coast and coastal mountain ranges of California from Shasta County to San Diego County; Sierra Nevada from Butte County to Fresno County	No records from surveys conducted in the HAAF (Environmental Science Associates 1993) area; no suitable freshwater habitat; not expected to occur in the project area
Foothill yellow-legged frog (*Rana boylii*)	SC/SCC	Creeks or rivers in woodlands or forests with rock and gravel substrate and low overhanging vegetation along the edge; usually found near riffles with rocks and sunny banks nearby	Occurs in the Klamath, Cascade, north Coast, south Coast, and Transverse Ranges; through the Sierra Nevada foothills up to approximately 6,000 feet (1,800 meters) south to Kern County	No records; no suitable habitat

Common and Scientific Name	Legal Status[a] Federal/State	Habitat Requirements	Distribution in California	Occurrence in the Project Area
Reptiles				
Northwestern pond turtle (*Clemmys marmorata marmorata*)	SC/SCC	Woodlands, grasslands, and open forests; occupies ponds, marshes, rivers, streams, and irrigation canals with muddy or rocky bottoms and with watercress, cattails, water lilies, or other aquatic vegetation	In California, range extends from Oregon border of Del Norte and Siskiyou Counties south along the coast to San Francisco Bay, inland through Sacramento Valley, and on the western slope of Sierra Nevada; range overlaps with that of southwestern pond turtle through the Delta and Central Valley to Tulare County	Recorded in Pacheco Pond along HAAF boundary.
Southwestern pond turtle (*Clemmys marmorata pallida*)	SC/SCC	Woodlands, grasslands, and open forests; occupies ponds, marshes, rivers, streams, and irrigation canals with muddy or rocky bottoms and with watercress, cattails, water lilies, or other aquatic vegetation	Occurs along the central coast of California east to the Sierra Nevada and along the southern California coast inland to the Mojave and Sonora Deserts; range overlaps with that of the northwestern pond turtle throughout the Delta and in the Central Valley from Sacramento County to Tulare County	No records; could occur in Pacheco Pond, but none were seen during field surveys
California horned lizard (*Phrynosoma coronatum frontale*)	SC/SSC	Grasslands, brushlands, woodlands, and open coniferous forest with sandy or loose soil; requires abundant ant colonies for foraging	Sacramento Valley, including foothills, south to southern California; Coast Ranges south of Sonoma County; below 4,000 feet in northern California	No records; potential low-quality habitat exists at HAAF; none were seen during field surveys

Common and Scientific Name	Legal Status[a] Federal/State	Habitat Requirements	Distribution in California	Occurrence in the Project Area
Birds				
California brown pelican (*Pelecanus occidentalis californicus*)	E/E	Typically in littoral ocean zones, just outside the surf line; nests on offshore islands	Present along the entire coastline, but does not breed north of Monterey County; extremely rare inland	No suitable nesting habitat; salt marsh in the project area could provide seasonal foraging habitat; could occur year round in open water, but on an irregular basis; none observed onsite during field surveys. Observed in San Pablo Bay off outboard area.
Double-crested cormorant (*Phalacrocorax auritus*)	--/SSC	Winters along the entire California coast and inland over the Coast Ranges into the Central Valley from Tehama County to Fresno County; a permanent resident along the coast from Monterey County to San Diego County, along the Colorado River, Imperial, Riverside, Kern, and King Counties, and the islands off San Francisco; breeds in Siskiyou, Modoc, Lassen, Shasta, Plumas, and Mono Counties; also breeds in the San Francisco Bay area and in Yolo and Sacramento Counties	Rocky coastlines, beaches, inland ponds, and lakes; needs open water for foraging, and nests in riparian forests or on protected islands, usually in snags	No records; no suitable nesting habitat; observed just outside the saltwater marsh and in the wider channels in the marsh at HAAF
Ferruginous hawk (*Buteo regalis*)	SC/SSC	Open terrain in plains and foothills where ground squirrels and other prey are available	Does not nest in California; winter visitor throughout lowland California,, especially in agricultural areas, grassland and savanna	Potential winter visitor; could occur irregularly and in low numbers in the project area

Common and Scientific Name	Legal Status[a] Federal/State	Habitat Requirements	Distribution in California	Occurrence in the Project Area
Cooper's Hawk *(Acciptier cooperi)*	--/SSC	Nests in a wide variety of habitat types, from riparian woodlands and digger pine-oak woodlands through mixed conifer forests	Throughout California except high altitudes in the Sierra Nevada. Winters in the Central Valley, southeastern desert regions, and plains east of the Cascade Range	Recorded occasionally on HAAF site in 1997; no nesting habitat on HAAF site observed.
Sharp-Shinned Hawk *(Accipiter striatus)*	--/SSC	Permanent resident in the Sierra Nevada, Cascade, Klamath, and north Coast Ranges at mid elevations and along the coast in Marin, San Francisco, San Mateo, Santa Cruz, and Monterey Counties. Winters over the rest of the state except at very high elevations	Dense canopy ponderosa pine or mixed-conifer forest and riparian habitats	Recorded occasionally on HAAF in 1997, no nesting habitat found on HAAF.
Merlin *(Falco columbarius)*	--/SSC	Forages along coastlines, open grasslands, savannas, and woodlands; often forages near lakes and other wetlands	Does not nest in California; rare but widespread winter visitor to the Central Valley and coastal areas	Recorded occasionally on the HAAF site in 1997; does not nest in California.
Northern Harrier (*Circus cyaneus*)	--/SSC	Grasslands, meadows, marshes, and seasonal and agricultural wetlands providing tall cover	Throughout lowland California; has been recorded in migration at high elevations	Common with 10 seen foraging in fields on January 30, 2002; two harriers were observed foraging in the salt marsh during 1994; another harrier was observed nesting in the HAAF area during 1994 and 1997 surveys

Common and Scientific Name	Legal Status[a] Federal/State	Habitat Requirements	Distribution in California	Occurrence in the Project Area
White-tailed kite (*Elanus leucurus*)	--/FP	Low foothills or valley areas with valley or live oaks, riparian areas, and marshes near open grasslands for foraging	Lowland areas west of Sierra Nevada from head of Sacramento Valley south, including coastal valleys and foothills to western San Diego County at the Mexico border	Common with 8 seen foraging in fileds on January 30, 2002; nesting not documented yet but probably nests within the project area; nearest known nesting site is approximately 0.5 mile northwest of Novato; suitable foraging habitat occurs in grassland, agricultural, and marsh habitats
Loggerhead shrike *(Lanius ludovicianus)*	--/SSC	Prefers open habitats with scattered shrubs, trees, posts, fences, utility lines, or other perches	Resident and winter visitor in lowlands and foothills throughout California. Rare on coastal slope north of Mendocino County, occurring only in winter	Recorded on HAAF site in 1997, no nesting records on HAAF site.
Osprey *(Pandion haliaetus)*	--/SSC	Nests in snags, trees, or utility poles near the ocean, large lakes, or rivers with abundant fish populations	Nests along the north coast from Marin County to Del Norte County, east through the Klamath and Cascade Ranges, and in the upper Sacramento Valley. Important inland breeding populations at Shasta Lake, Eagle Lake, and Lake Almanor and small numbers elsewhere south through the Sierra Nevada. Winters along the coast from San Mateo County to San Diego County	Recorded on HAAF site in 1997; also observed perching in trees by Pacheco Pond near HAAF

Common and Scientific Name	Legal Status[a] Federal/State	Habitat Requirements	Distribution in California	Occurrence in the Project Area
Bald eagle (*Haliaeetus leucocephalus*)	T/E	In western North America, nests and roosts in coniferous forests and woodlands within 1 mile of a lake, a reservoir, a stream, or the ocean	Nests in Siskiyou, Modoc, Trinity, Shasta, Lassen, Plumas, Butte, Tehama, Lake, and Mendocino Counties and in the Lake Tahoe Basin; reintroduced into the central coast area; winter range includes the rest of California, except the southeastern deserts, very high altitudes in the Sierras, and east of the Sierra Nevada south of Mono County; range expanding into the western Sierra Nevada foothills	Potential occasional forager on HAAF; no suitable nesting habitat in the project area; not a known wintering area
Prairie Falcon (*Falco mexicanus*)	--/SSC	Nests on cliffs or escarpments, usually overlooking dry, open terrain or uplands	Permanent resident in the south Coast, Transverse, Peninsular, and northern Cascade Ranges, the southeastern deserts, Inyo-White Mountains, foothills surrounding the Central Valley, and in the Sierra Nevada in Modoc, Lassen, and Plumas Counties. Winters in the Central Valley, along the coast from Santa Barbara County to San Diego County, and in Marin, Sonoma, Humboldt, Del Norte, and Inyo Counties	Recorded occasionally on HAAF site in 1997, no nesting habitat on HAAF site.

Common and Scientific Name	Legal Status[a] Federal/State	Habitat Requirements	Distribution in California	Occurrence in the Project Area
American peregrine falcon (*Falco preregrinus anatum*)	E/E	Nests and roosts on protected ledges of high cliffs, usually adjacent to lakes, rivers, or marshes that support large populations of other bird species	Permanent resident of the north and south Coast Ranges; may summer on the Cascade and Klamath Ranges south through the Sierra Nevada to Madera County; winters in the Central Valley south through the Transverse and Peninsular Ranges and the plains east of the Cascade Range	No suitable nesting habitat; potential occasional visitor during migration and in winter; recorded foraging on HAAF in 1997.
California black rail (*Laterallus jamaicensis coturniculus*)	SC/T	Tidal salt marshes associated with heavy growth of pickleweed; also occurs in brackish marshes or freshwater marshes at low elevations	Permanent resident in the San Francisco Bay and eastward through the Delta into Sacramento and San Joaquin Counties; small populations in Marin, Santa Cruz, San Luis Obispo, Orange, Riverside, and Imperial Counties	The tidal marsh provides high-quality nesting and foraging habitat; observed in the salt marsh at HAAF (Garcia per. comm.); known in Novato Creek marshes.
California clapper rail (*Rallus longirostris obsoletus*)	E/E	Restricted to salt marshes and tidal sloughs; usually associated with heavy growth of pickleweed; feeds on mollusks removed from mud in sloughs	Marshes around San Francisco Bay and east through the Delta to Suisun Marsh	Tidal marsh provides high-quality nesting and foraging habitat; observed in salt marsh at HAAF (Garcia per. comm.); known in Novato Creek marsh.

Common and Scientific Name	Legal Status[a] Federal/State	Habitat Requirements	Distribution in California	Occurrence in the Project Area
Western snowy plover (coastal population) (*Charadrius alexandrinus nivosus*)	T/SCC	Coastal beaches above the normal high tide limit in flat, open areas with sandy or saline substrates; vegetation and driftwood are usually sparse or absent	Population defined as those birds that nest adjacent to or near tidal waters, including all nests along the mainland coast, peninsulas, offshore islands, and adjacent bays and estuaries. Twenty breeding sites are known in California from Del Norte to Diego County	No records; no suitable nesting habitat; could forage in seasonal wetlands and mudflats in the project area
California least tern (*Sterna antillarum browni*)	E/E	Nests on sandy, upper ocean beaches, and occasionally uses mudflats; forages on adjacent surf line, estuaries, or the open ocean	Nests on beaches along the San Francisco Bay and Delta and along the southern California coast from southern San Luis Obispo County south to San Diego County	No records; no suitable nesting habitat; could forage in shallow water beyond the salt marsh
Short-eared owl (*Asio flammeus*)	--/SSC	Freshwater and salt marshes, lowland meadows, and irrigated alfalfa fields; needs dense tules or tall grass for nesting and daytime roosts	Permanent resident along the coast from Del Norte County to Monterey County although very rare in summer north of San Francisco Bay, in the Sierra Nevada north of Nevada County, in the plains east of the Cascades, and in Mono County; small, isolated populations	One observed on January 30, 2002; salt marsh and fields within the project area are suitable nesting and foraging habitat; recorded on HAAF site in 1997.
Western burrowing owl (*Athene cunicularia hypugea*)	SC/SSC	Level, open, dry, heavily grazed or low stature grassland or desert vegetation with available burrows	Lowlands throughout California, including the Central Valley, northeastern plateau, southeastern deserts, and coastal areas; rare along south coast	Formerly nested along the edges of the runway and levees at HAAF; none observed during 1994 field surveys; LSA found and passively relocated 7-9 individuals from HAAF site in 1997; could be a winter visitor, irregular visitor, or resident

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Little willow flycatcher (*Empidonax traillii brewsteri*)	SC/E	Riparian areas and large, wet meadows with abundant willows for breeding; usually found in riparian habitats during migration	Summer range includes a narrow strip along the eastern Sierra Nevada from Shasta County to Kern County and another strip along the western Sierra Nevada from El Dorado County to Madera County; widespread in migration	No records; no suitable nesting habitat occurs in the project area; potential occasional forager on HAAF site.
Saltmarsh common yellowthroat (*Geothlypis trichas sinuosa*)	SC/SSC	Freshwater marshes in summer and salt or brackish marshes in fall and winter; requires tall grasses, tules, and willow thickets for nesting and cover	Found only in the San Francisco Bay area in Marin, Napa, Sonoma, Solano, San Francisco, San Mateo, Santa Clara, and Alameda Counties	Suitable habitat occurs in tidal marshes in the project area; observed at the project area in coastal salt marsh; previously observed in or near confluence of Arroyo San Jose and Pacheco Creek.
Bell's sage sparrow (*Amphispiza belli belli*)	SC/SCC	Prefers chaparral habitats dominated by chamise	Western Sierra foothills from El Dorado County south to Mariposa County, inner Coast Ranges from Shasta County southward, extending to coastal area from Marin County to San Diego County; from southern San Benito County to San Bernardino County; absent from innermost Coast Ranges and desert slopes of San Gabriel and San Bernardino Mountains	No records; no suitable habitat
San Pablo song sparrow (*Melospiza melodia samuelis*)	SC/SCC	Brackish and tidal marshes supporting cattails, tules, various sedges, pickleweed, and riparian scrub	Restricted to San Pablo Bay area	Suitable tidal marsh habitat occurs in the project area; observed in saltmarsh habitat during 1994, 1997 and 2002
Mammals				

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Suisun ornate shrew (*Sorex ornatus sinuosus*)	SC/SSC	Tidal, salt, and brackish marshes containing pickleweed, grindelia, bulrushes, or cattails; requires driftwood or other objects for nesting cover	Restricted to San Pablo Bay and Suisun Bay, both in Solano County	No records; not likely to occur in the project area
Greater mastiff bat (*Eumops perotis californicus*)	SC/SSC	Roosts and breeds in deep, narrow rock crevices; may also use crevices in trees, buildings, and tunnels; forages in a variety of semiarid to arid habitats	Occurs along the eastern San Joaquin Valley from El Dorado County through Kern County; also found along the south Coast, Peninsular, and Transverse Ranges from San Francisco to the Mexico border	No records; suitable roosting sites exist in the project area, but no presence of species found on HAAF site.
Long-eared myotis (*Myotis evotis*)	SC/--	Occurs primarily in high elevation coniferous forests, but also found in mixed hardwood/conifer, high desert, and humid coastal conifer habitats	Sierra Nevada, Klamath Mountains, Coast Ranges, and Transverse and Peninsular Ranges	The project area is at the edge of the species' range; no suitable roosting sites
Fringed myotis (*Myotis thysanodes*)	SC/--	Found in a wide variety of habitats from low desert scrub to high elevation coniferous forests. Day and night roosts in caves, mines, trees, buildings, and rock crevices	Sierra Nevada, Klamath Mountains, Coast Ranges, and Transverse and Peninsular Ranges	The project area is at the edge of the species' range; no suitable roosting sites
Long-legged myotis (*Myotis volans*)	SC/--	Most common in woodlands and forests above 4,000 feet, but occurs from sea level to 11,000 feet	Mountains throughout California	The project area is at the edge of the species' range; no suitable roosting sites
Yuma myotis (*Myotis yumanensis*)	SC/--	Roosts colonially in a variety of natural and human-made sites, including caves, mines, buildings, bridges, and trees; in northern California, maternity colonies are usually in fire-scarred redwoods, pines, or oaks; forages for insects over water bodies	Considered common and widespread in northern California; colonies known from Marin and San Francisco Counties	The project area is at the edge of the species' range; suitable roosting sites exist in project area, but no presence of species found on HAAF site.

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Pallid bat (*Antrozous pallidus*)	SC/SSC	Occurs in a variety of habitats from desert to coniferous forest. Most closely associated with oak, yellow pine, redwood, and giant sequoia habitats in northern California and oak woodland, grassland, and desert scrub in southern California. Relies heavily on trees for roosts	Occurs throughout California except the high Sierra from Shasta to Kern County and the northwest coast, primarily at lower and mid elevations	Suitable roosting sites exist in the project area, but no presence of species found on site.
Pacific western big-eared bat (*Plecotus townsendii townsendii*)	SC/SSC	Roosts in caves, tunnels, mines, and dark attics of abandoned buildings; very sensitive to disturbances and may abandon a roost after onsite visit	Coastal regions from Del Norte County south to Santa Barbara County	No records; suitable roosting sites exist in the project area, but no presence of species found on HAAF site.
Saltmarsh harvest mouse (*Reithrodontomys raviventris*)	E/E and FP	Brackish and salt marshes; primarily associated with pickleweed	San Francisco, San Pablo, and Suisun Bays; western most portion of the Delta	Suitable habitat exists along the salt marshes in the project area; assumed to occur in the salt marsh in the project area
Point Reyes jumping mouse (*Zapus trinotatus orarius*)	SC/SSC	Moist, marshy habitats with grasses and forbs	Confined to the Point Reyes area	No records; no suitable habitat

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