

## Appendix C: Special Status Species Summary Tables

The following tables summarize special status species that are present or are likely to be present in the Half Moon Bay Planning Area. Table C-1 is specific to animal species, and Table C-2 is specific to plant species.

**TABLE C-1: SPECIAL STATUS ANIMAL SPECIES WITH POTENTIAL TO OCCUR IN HALF MOON BAY PLANNING AREA**

ANIMAL SPECIES	STATUS FED/STATE	HABITAT	OCCURRENCE IN HALF MOON BAY PLANNING AREA
Monarch Butterfly ( <i>Danaus plexippus</i> ) (Wintering sites)	-/CR	Winter roost sites extend along the coast from northern Mendocino to Baja California. Roosts are typically located in wind-protected groves of Eucalyptus, Monterey pine or Monterey cypress, with nectar and water sources nearby. Native tree species are typically preferred for their higher habitat value.	Winter roosts have been located within Eucalyptus groves at Sweetwood Group Camp area, within Wavecrest near Magnolia Avenue (site has been inactive in recent years), and at other areas with location information suppressed due to their sensitivity.

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San Bruno Elfin Butterfly ( <i>Incisalia mossii bayensis</i> ),	FE/--	Found in coastal, mountainous areas with grassy ground cover, mainly in the vicinity of San Bruno Mountain. Colonies are located on steep, north-facing slopes within the fog belt. Larval host plant is <i>Sedum spathulifolium</i> .	No records for the Planning Area and no suitable habitat. Nearest records are from the vicinity of Montara Mountain.
Steelhead - Central CA Coast ESU ( <i>Oncorhynchus mykiss</i> )	FT/--	Well-oxygenated streams with riffles; loose, silt-free gravel substrate. ESU encompasses drainages in San Francisco and San Pablo Bays east to the Napa River.	Pilarcitos Creek and Frenchmans Creek are historic spawning streams for Steelhead. Pilarcitos Creek, Frenchmans Creek, Arroyo Leon and Apanolio Creek within the Planning Area are designated Critical Habitat for Steelhead.
Northern tidewater Goby ( <i>Eucyclogobius newberryi</i> )	FE/CSC	Found in brackish water habitats along the California coast from San Diego County to the mouth of the Smith River. Found in shallow lagoons and lower stream reaches. Needs fairly still but not stagnant water and high oxygen levels.	Potential habitat may occur during portions of the year when tidal lagoons form at the mouth of Pilarcitos Creek, but the species has never been documented in the Planning Area. Nearest record is from Tunitas Creek in 2015.
California Red-legged Frog ( <i>Rana draytonii</i> )	FT/CSC	Mostly in lowlands and foothills in/near permanent sources of deep water but will disperse far during and after rain. Prefers shorelines with extensive vegetation.	Breeding sites are located at the Caltrans mitigation site near the SAM plant, City property near the City Corporation Yard and at the Half Moon Bay Golf Links (Ocean Course). Has been documented in Pilarcitos

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			Creek, Frenchmans Creek, Arroyo Cañada Verde, at Wavecrest, the Casa del Mar neighborhood, and elsewhere.
Santa Cruz black salamander ( <i>Aneides niger</i> )	--/CSC	Mixed deciduous and coniferous woodlands and coastal grasslands in San Mateo, Santa Cruz and Santa Clara Counties. Adults are found under rocks, talus, and damp woody debris.	No observations within the Planning Area. Nearest occurrence is at Huddart Park in Woodside.
California giant salamander ( <i>Dicamptodon ensatus</i> )	--/CSC	Known from wet coastal forests near streams and seeps from Mendocino County south to Monterey County and east to Napa County. Aquatic larvae are found in cold, clear streams, occasionally in lakes and ponds. Adults are found in wet forests under rocks and logs near streams and lakes.	No observations within the Planning Area. Nearest occurrence is at the end of Purisima Creek Road near Purisima Creek Redwoods Open Space Preserve. Also known from the Tunitas Creek watershed southeast of Half Moon Bay.
Western Pond Turtle ( <i>Emmys marmorata</i> )	-/CSC	Aquatic turtle of ponds, marshes, rivers, streams, and irrigation ditches with aquatic vegetation. Needs basking sites and suitable upland habitat for egg-laying (sandy banks or grassy open fields).	No known records within Half Moon Bay, but suitable habitat for this species occurs within the City.

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San Francisco Garter Snake <i>(Thamnophis sirtalis tetrataenia)</i>	FE/CE, CFP	Found in vicinity of freshwater marshes, ponds and slow-moving streams in San Mateo County. Prefers dense cover and water depths of at least one foot. Also requires uplands near aquatic habitats.	Documented as occurring near the mouth of Pilarcitos Creek and along Pilarcitos Creek near downtown. U.S. Fish and Wildlife Service found suitable dispersal habitat for this species in Wavecrest and nearby areas, Pacific Ridge, Beachwood.
Northern Harrier <i>(Circus cyaneus)</i> (nesting)	-/CSC	Coastal salt marsh and freshwater marsh; nests and forages in grasslands; nests on ground in shrubby vegetation, usually at marsh edge.	San Mateo County Breeding Bird Atlas indicates past confirmed nesting just south of town near Verde Road and probable past nesting just north of town near El Granada. This is a regularly occurring species in Half Moon Bay in winter. Common in winter at Wavecrest and the open fields west of Railroad Avenue.
White-tailed Kite <i>(Elanus caeruleus)</i> (nesting)	-/CFP	Open grassland and agricultural areas throughout Central California.	Breeding confirmed at Wavecrest south of Smith Field park. San Mateo County Breeding Bird Atlas indicates possible past nesting near Miramontes Point. A regularly occurring species in winter. Common in winter at Wavecrest and the area west of Railroad Avenue. Over 100 were counted in the fall of 2007.
Sharp-shinned Hawk <i>(Accipiter striatus)</i>	-/WL	Breeds in ponderosa pine, black oak, riparian deciduous, mixed conifer,	San Mateo County Breeding Bird Atlas recognizes possible past nesting

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(nesting)		and Jeffrey pine habitats. Prefers, but not restricted to, riparian habitats. All habitats except alpine, open prairie, and bare desert used in winter.	within Half Moon Bay. Breeding confirmed just north of town near El Granada in 1993. A regularly occurring species in winter, especially at Wavecrest.
Cooper's Hawk ( <i>Accipiter cooperii</i> ) (nesting)	-/WL	Nests primarily in deciduous riparian forests; forages in open woodlands.	San Mateo County Breeding Bird Atlas indicates past confirmed nesting just south of Half Moon Bay near Verde Road, and possible nesting just north of town near El Granada and just east of town in Higgins Canyon. A regularly occurring species in winter, especially at Wavecrest.
Ferruginous Hawk ( <i>Buteo regalis</i> ) (Wintering)	BCC/WL	Inhabits open country. Winters in small number along California coast and inland valleys.	Winters in small numbers in the Half Moon Bay area. Observed annually in winter at Wavecrest and in the vicinity of the Half Moon Bay Airport.
Swainson's Hawk ( <i>Buteo swainsoni</i> ) (nesting)	BCC/CT	Breeds in stands with few trees in juniper-sage flats, riparian corridors and oak savannah. Requires suitable adjacent foraging areas such as grasslands or alfalfa or grain fields supporting rodent populations.	Occasionally found at Wavecrest in winter and fall migration. An individual of this species that spent the winter of 1998-1999 at Wavecrest represents the first record of overwintering Swainson's hawk in coastal Northern California.

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Golden Eagle ( <i>Aquila chrysaetos</i> ) (nesting and wintering)	BCC/WL, CFP	Typically frequents rolling foothills, mountain areas, sage-juniper flats and desert.	Occasionally found in Half Moon Bay in winter. Has been found some years at Wavecrest.
American Peregrine Falcon ( <i>Falco peregrinus</i> ) (nesting)	Delisted, BCC/Delisted, CFP	Inhabits open wetlands near cliffs, also occurs in some cities where nests on buildings and bridges.	Species nests at Devils Slide and winters in the area. Occasionally found foraging in Half Moon Bay.
Merlin ( <i>Falco columbarius</i> ) (wintering)	-/WL	Breeds in Canada, winters in a variety of California habitats, including grasslands, savannahs, wetlands, etc.	Winters annually in small numbers in Half Moon Bay. Found every winter in the area west of Railroad Avenue, Wavecrest, and the Half Moon Bay Golf Links.
Western Snowy Plover ( <i>Charadrius alexandrinus nivosus</i> ) (nesting)	FT, BCC/CSC	Found on sandy beaches or marine and estuarine shores; also salt pond levees and shores of large alkali lakes; requires sandy, gravelly or friable soil substrate for nesting. Threatened due to beachfront development, human disturbance, off-leash dogs and other factors.	Nests at Half Moon Bay State Beach, which is designated as critical habitat. Nesting assisted by Plover Watch Program run by State Parks with the help of Sequoia Audubon Society volunteers. Also winters on beaches in the area (40 to 60 can be seen at Half Moon Bay State Beach each winter).
Marbled Murrelet ( <i>Brachyramphus marmoratus</i> ) (nesting)	FT/CE	Nests inland along the coast from Eureka to Oregon border and from Half Moon Bay to Santa Cruz in old growth redwood dominated forests, often in Douglas fir, up to six miles	Marbled Murrelets breed in the San Francisco Watershed in forests located within four miles of Half Moon Bay. The breeding areas are to the north and inland of El Granada.

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		inland. Feeds on the ocean near shore.	During the breeding season foraging birds fly over land to the sea and can be found just offshore from anywhere in Half Moon Bay.
Short-eared Owl ( <i>Asio flammeus</i> ) (nesting)	-/CSC	Found in marshes, both freshwater and salt; lowland meadows; irrigated alfalfa fields. Tule patches/full grass needed for nesting and daytime seclusion. Nests on dry ground in a depression concealed in vegetation.	A population of up to five individuals winters annually at Wavecrest and the area west of Railroad Avenue. Wavecrest is the most important wintering site for the species in San Mateo County, one of the most important wintering sites in the San Francisco Bay Area and is a coastal wintering site for the species of statewide significance. The species of concern designation protects nesting sites, and the California Department of Fish and Wildlife and California Coastal Commission have indicated protections for the wintering population at Wavecrest are warranted.
Burrowing Owl ( <i>Athene cunicularia</i> )	BCC/CSC	Found in open dry annual or perennial grasslands, deserts and scrublands characterized by low growing vegetation. This species is a subterranean nester, dependent upon burrowing mammals, most	Occasionally found in the Planning Area. This species has occurred along the ocean bluffs in Half Moon Bay, at Wavecrest, and most recently at Half Moon Bay State Beach.

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		notably the California ground squirrel.	
Olive-sided Flycatcher ( <i>Contopus cooperi</i> ) (nesting)	BCC/CSC	Uncommon to common, summer resident in a wide variety of forest and woodland habitats below 2800 meters throughout California. Requires large, tall trees, usually conifers, for nesting and roosting sites.	A fairly common nesting species in Half Moon Bay in areas with taller trees, particularly on the inland side of the city where taller eucalyptus and Monterey cypress occur.
Loggerhead Shrike ( <i>Lanius ludovicianus</i> )	BCC/CSC	Habitat includes open areas such as desert, grasslands and savannah. Nests in thickly foliated trees or tall shrubs. Forages in open habitats, which contain trees, fence posts, utility poles, and other perches.	San Mateo County Breeding Bird Atlas indicates past probable breeding just south of Half Moon Bay. Small numbers occur in Half Moon Bay in winter and during migration.
Purple Martin ( <i>Progne subis</i> )	--/CSC	Uses a variety of wooded, low-elevation habitats throughout California. Uses hardwood and hardwood-conifer habitats as well as riparian habitats. Now a rare and local breeder on the coast and in interior mountain ranges.	In 2016, a breeding population of this species was identified approximately four miles from Half Moon Bay along Skyline Boulevard. The birds likely forage at times near the mouth of Pilarcitos Creek.
San Francisco Common Yellowthroat ( <i>Geothlypis trichas sinuosa</i> )	BCC/CSC	Requires thick continuous cover down to water surface for foraging;	Breeding by this species has been confirmed in the mitigation wetlands near the sewage treatment plant, along Frenchmans Creek, at the



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		tall grasses, tule patches, willows for nesting.	mouth of Pilarcitos Creek, in riparian corridors at Wavecrest, and on the Half Moon Bay Golf Course (Old Course).
Yellow Warbler ( <i>Septophaga petechia</i> ) (Nesting)	BCC/CSC	Breeds in deciduous riparian woodlands, widespread during fall migration.	San Mateo Breeding Bird Atlas lists this species as a nesting species in riparian habitat within Half Moon Bay. Nesting Yellow Warblers have been documented along Pilarcitos Creek in the riparian area behind Safeway and in the riparian area upstream from the Main Street Bridge. Species is common in Half Moon Bay during fall migration.
Grasshopper Sparrow ( <i>Ammodramus savannarum</i> )	--/CSC	Found in dense grasslands, especially those with a variety of grasses and tall forbs and scattered shrubs for singing perches.	This species breeds in various spots in Half Moon Bay. Nesting has been documented in grasslands at the Johnston House, at Wavecrest and in the coastal prairie between Kelly and Poplar Avenue. Sites vary from year to year; some sites are not used annually.
Bryant's Savannah Sparrow ( <i>Passerculus sandwichensis alaudinus</i> )	--/CSC	Occupies low tidally influenced habitats, adjacent ruderal areas, moist grasslands within and just	This is a common species in Half Moon Bay. A sizeable and important breeding and wintering population has been documented in Half Moon Bay. The area of highest use is

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		above the fog belt, and, infrequently drier grasslands.	Wavecrest and the area west of Railroad Avenue, generally between Kelly Avenue and Redondo Beach Road. Lower densities exist south of Redondo Beach Road adjacent to the golf course, and some also occur to the north of Kelly Avenue.
Large-billed Savannah Sparrow ( <i>Passerculus sandwichensis rostratus</i> ) (wintering)	--/CSC	Breeding habitat limited to open, low salt marsh vegetation, including grasses, pickleweed, etc. around the mouth of the Colorado River and adjacent coastlines of the uppermost Gulf of California. Winters along shorelines.	For at least two winters one or two Large-billed Savannah Sparrows wintered near the City of Half Moon Bay at Pillar Point Harbor. The species may winter on Half Moon Bay beaches.
San Francisco Dusky-Footed Woodrat ( <i>Neotoma fuscipes annectens</i> )	-/CSC	Found in forested habitats of moderate canopy and moderate to dense understory.	San Francisco dusky-footed woodrat houses can be found in riparian vegetation, Central Coast Scrub habitat, and in forested areas, particularly on the inland side of the City where taller eucalyptus and cypress occur.
American badger ( <i>Taxidea taxus</i> )	-/CSC	Drier open stages of most shrub, forest, and herbaceous habitats; needs sufficient food, friable soils and open, uncultivated ground.	The CNDDDB documents occurrences of American badger in the hills northeast of Half Moon Bay.

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Pallid bat <i>(Antrozous pallidus)</i>	--/CSC	Roosts primarily in oak woodland and ponderosa pine habitats; forages in open areas.	Has not been reported from the Planning Area but could occur.
Townsend's Big-eared Bat <i>(Corynorhinus townsendii)</i>	--/CCT, CSC	Found in desert scrub and coniferous forests. Roost in caves or abandoned mines and occasionally are found to roost in buildings.	Has not been reported from the Planning Area but could occur.

Table C-1 Status Codes:

FE: Federally-listed Endangered	CE: California State-listed Endangered
FT: Federally-listed Threatened	CT: California State-listed Threatened
FPE: Federally-proposed Endangered	CR: California Rare
FPT: Federally-proposed Threatened	FP: California Fully Protected
BCC: USFWS Bird Species of Conservation Concern	CSC: CDFW Species of Special Concern
	WL: CDFW Watch List Species

Table C-1 Sources:

- California Department of Fish and Game. November 1990. California's Wildlife, Volume II, Birds.*
- California Department of Fish and Wildlife, Natural Heritage Division. California Natural Diversity Data Base for the Half Moon Bay 7.5-Minute Quadrangle Map and surrounding areas, May 2018.*
- California Department of Fish and Wildlife. Special Animals List. July 2017.*
- Jaramillo, Alvaro. 2016. Local Expert Ornithologist and Senior Biologist, San Francisco Bay Bird Observatory. Notes submitted to the City of Half Moon Bay regarding the General Plan Update.*
- Jaramillo, Alvaro. 2018. Local Expert Ornithologist and Senior Biologist, San Francisco Bay Bird Observatory. Personal Communication.*
- Sequoia Audubon Society. May 2001. San Mateo County Breeding Bird Atlas.*
- Shuford, David W. and Thomas Gardali, editors. 2008. California Bird Species of Special Concern. Western Field Ornithologists and California Department of Fish and Game.*

**TABLE C-2: SPECIAL STATUS PLANT SPECIES WITH POTENTIAL TO OCCUR IN HALF MOON BAY PLANNING AREA**

PLANT SPECIES	STATUS FED/STATE/CNPS	HABITAT	OCCURRENCE IN HALF MOON BAY PLANNING AREA
San Mateo thorn-mint ( <i>Acanthomintha duttonii</i> )	FE/CE/1B.1	Chaparral, valley and foothill coastal scrub, vernal pools. Endemic from very uncommon San Mateo serpentine vertisol clays. 50-200m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Blasdale's bent grass ( <i>Agrostis blasdalei</i> )	-/-/1B.2	Coastal dunes, coastal bluff scrub, coastal prairie. Sandy or gravelly soil close to rocks; often in nutrient-poor soil with sparse vegetation. 5-105m	Has not been documented as occurring in the Half Moon Bay Planning Area.
Franciscan onion ( <i>Allium peninsulare franciscanum</i> )	-/-/1B.2	Found in cismontane woodland and valley and foothill grassland in clay soils and serpentine on dry hillsides. 100-300m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Bent-flowered fiddleneck ( <i>Amsinckia lunaris</i> )	-/-/1B.2	Cismontane woodland and valley and foothill grassland. 50-500m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Anderson's manzanita ( <i>Arctostaphylos andersonii</i> )	-/-/1B.2	Broadleaved upland forest, chaparral, North Coast coniferous forest, open sites, redwood forest. 180-800m..	Has not been documented as occurring in the Half Moon Bay Planning Area.

*Half Moon Bay - Local Coastal Land Use Plan  
Appendix C*

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Kings Mountain manzanita ( <i>Arctostaphylos regismontana</i> )	-/-/1B.2	Broadleaved upland forest, chaparral, North Coast coniferous forest, on granitic or sandstone outcrops. 305-730m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Montara manzanita ( <i>Arctostaphylos montaraensis</i> )	-/-/1B.2	Slopes and ridges in chaparral and Coastal scrub. 150-500m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Coastal marsh milk-vetch ( <i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i> )	-/-/1B.2	Found in mesic sites in dunes or along streams in coastal dunes and coastal salt marshes. 0-30m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Pappose tarplant ( <i>Centromadia parryi</i> ssp. <i>parryi</i> )	--/--/1B.2	Found in mesic and often alkaline site in coastal prairie, meadows and seeps, coastal salt marsh and valley and foothill grasslands. 2-420m	Has not been documented as occurring in the Half Moon Bay Planning Area.
Points Reyes salty bird's beak ( <i>Chloropyron maritimum</i> spp. <i>palustre</i> )	-/-/1B.2	Usually in coastal salt marsh with <i>Salicornia</i> , <i>Distichlis</i> , <i>Jaumea</i> , <i>Spartina</i> , etc. 0-15m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
San Francisco Bay spineflower ( <i>Chorizanthe cuspidata</i> <i>cuspidata</i> )	-/-/1B.1	Found on sandy soil on terraces and slopes within coastal bluff scrub, coastal dunes, coastal prairie and coastal scrub. 5-550m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Franciscan thistle ( <i>Cirsium andrewsii</i> )	-/-/1B.2	Found in Coastal bluff scrub. Broadleaved upland forest, coastal prairie on ultramafic soils. -150m	Has not been documented as occurring in the Half Moon Bay Planning Area.

*Half Moon Bay - Local Coastal Land Use Plan  
Appendix C*

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Fountain thistle ( <i>Cirsium fontinale fontinale</i> )	-/-/1B.2	Endemic to serpentine seeps in valley and foothill grassland and chaparral in San Mateo County. 90-180m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
San Francisco collinsia ( <i>Collinsia multicolor</i> )	FE/CE/1B.1	Found in closed-cone coniferous forest and coastal scrub. Usually on decomposed mudstone shale mixed with humus. 30-250m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Western leatherwood ( <i>Dirca occidentalis</i> )	-/-/1B.2	On brushy slopes and mesic sites mostly in mixed evergreen and foothill woodland communities. 30-550m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
San Mateo woolly sunflower ( <i>Eriophyllum latilobum</i> )	-/-/1B.2	Endemic to cismontane woodland in San Mateo County, often on roadcuts and serpentine. 45-150m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Hillsborough chocolate lily ( <i>Fritillaria biflora ineziana</i> )	FE/CE/1B.1	Endemic to serpentine cismontane woodland, valley and foothill grassland of San Mateo County.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Fragrant fritillary ( <i>Fritillaria liliacea</i> )	-/-/1B.1	Coastal scrub, valley and foothill grassland, coastal prairie, often on ultramafic soils. 3-410m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
San Francisco gumplant ( <i>Grindelia hirsutula var. maritima</i> )	-/-/3.2	Coastal bluff scrub and grasslands. 15-400m.	Has not been documented as occurring in the Half Moon Bay Planning Area.

*Half Moon Bay - Local Coastal Land Use Plan  
Appendix C*

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Short-leaved evax ( <i>Hesperovax sparsiflora</i> var. <i>brevifolia</i> )	-/-/1B.2	Sandy bluffs and flats in Coastal bluff scrub, coastal dunes. 0-200M.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Marin western flax ( <i>Hesperolinon congestum</i> )	FT/CT/1B.1	Chaparral, valley and foothill grassland. Found in serpentine barrens and serpentine grassland and chaparral. 31-365m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Kellogg's horkelia ( <i>Horkelia cuneata</i> ssp. <i>sericea</i> )	-/-/1B.1	Closed-cone coniferous forest, coastal scrub. Old dunes, coastal sandhills; generally under 200 m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Point Reyes horkelia ( <i>Horkelia marinensis</i> )	-/-/1B.2	Coastal dunes, coastal prairie and coastal scrub; in sandy flats and dunes of grassland or scrub habitats near the coast. 5-30m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Perennial goldfields ( <i>Lasthenia californica</i> ssp. <i>macrantha</i> )	-/-/1B.2	Coastal bluff scrub, coastal dunes and coastal scrub. 5-520m.	Present in the Planning Area. This species occurs along the edge of the coastal bluff within Coastal Prairie habitat at Wavecrest and the area west of Railroad Avenue. Populations as mapped in the CNDDDB are included in Figure 6-3 and are designated as Potential ESHA.
Coast yellow leptosiphon ( <i>Leptosiphon croceus</i> )	-/-/1B.1	Coastal bluff scrub and coastal prairie. (10- 150m).	Has not been documented as occurring in the Half Moon Bay Planning Area.



*Half Moon Bay - Local Coastal Land Use Plan  
Appendix C*

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Rose leptosiphon ( <i>Leptosiphon rosaceus</i> )	-/-/1B.1	Coastal bluff scrub. 0-100m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Crystal Springs lessingia ( <i>Lessingia arachnoidea</i> )	-/-/1B.2	Grassy slopes, roadsides in serpentine soils of coastal sage scrub, valley and foothill grassland and cismontane woodland. 60-200m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
<i>Ornduff's meadowfoam</i> ( <i>Limnanathes douglasii</i> ssp. <i>ornduffi</i> )	-/-/1B.1	Agricultural fields. Meadows and seeps. 10-20m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Arcuate bush mallow ( <i>Malacothamnus arcuatus</i> )	-/-/1B.2	Found in gravelly alluvium in chaparral. 80-355m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Davidson's bush mallow ( <i>Malacothamnus davidsonii</i> )	-/-/1B.2	Sandy washes in coastal scrub, riparian woodland and chaparral. 180-855m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Marsh microseris ( <i>Microseris paludosa</i> )	-/-/1B.1	Closed-cone coniferous forest, cismontane woodland, coastal scrub, valley and foothill grassland. 5-300m.	Has not been documented as occurring in the Half Moon Bay Planning Area.

*Half Moon Bay - Local Coastal Land Use Plan  
Appendix C*

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Woodland woollythreads ( <i>Monolopiagracilens</i> )	-/-/1B.2	Chaparral, valley and foothill grasslands (serpentine), cismontane woodland, broadleaved upland forests, North Coast coniferous forest. Found in grassy sites in openings in sandy to rocky soils. Often seen on serpentine after burns but may have only weak affinity to serpentine. 100-1200m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
White-rayed pentachaeta ( <i>Pentachaeta bellidiflora</i> )	FE/CE/1B.1	Mostly on soils derived from serpentine bedrock or open, dry rocky slopes and grassy areas of valley and foothill grassland. 35-620m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Choris's popcornflower ( <i>Plagiobothrys chorisianus</i> )	-/-/1B.2	Grassy and moist places, coastal scrub, chaparral; < 100m.	Present in the Planning Area. This species occurs within the mix of grassland, scrub, wetlands and coastal prairie at Wavecrest and the area west of Railroad Avenue. Populations as mapped in the CNDDDB are included in Figure 6-3 and are designated as Potential ESHA.
Oregon polemonium ( <i>Polemonium carneum</i> )	-/-/2B.2	Found in Coastal prairie, coastal scrub and lower montane coniferous forest. 0-1830m.	Has not been documented as occurring in the Half Moon Bay Planning Area.

*Half Moon Bay - Local Coastal Land Use Plan  
Appendix C*

<b>PLANT SPECIES</b>	<b>STATUS FED/STATE/CNPS</b>	<b>HABITAT</b>	<b>OCCURRENCE IN HALF MOON BAY PLANNING AREA</b>
Hickman's cinquefoil ( <i>Potentilla hickmanii</i> )	FE/CE/1B.1	Open habitats within closed cone coniferous forest, coastal bluff scrub, freshwater marsh, meadows and seeps, wetlands. 10-149m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Chaparral ragwort ( <i>Senecio aphanactis</i> )	-/-/1B.2	Known from foothill woodland and chaparral habitats. 15-800m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
San Francisco campion ( <i>Silene verecunda veracunda</i> )	-/-/2B.2	Often on mudstone or shale in coastal scrub, valley and foothill grassland, coastal bluff scrub, chaparral and coastal prairie. 30-645m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Saline clover ( <i>Trifolium depauperatum</i> var. <i>hydrophilum</i> )	-/-/1B.2	Found in mesic alkaline sites in marshes and swamps, valley and foothill grassland and vernal pools. 0-300m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
San Francisco owl's clover ( <i>Triphysaria floribunda</i> )	-/-/1B.2	Coastal prairie, valley and foothill grassland, on both serpentine and non-serpentine. 10-160m.	Has not been documented as occurring in the Half Moon Bay Planning Area.
Long-beard lichen ( <i>Usnea longissima</i> )	-/-/4.3	North Coast coniferous forest, broadleaved upland forest. Grows in the "redwood zone" on a variety of trees including big leaf maple, oaks, ash, Douglas fir and bay. 0-700 m in California.	Has not been documented as occurring in the Half Moon Bay Planning Area.

Table C-2 Status Codes:

FE	Federal-listed Endangered
FT	Federal-listed Threatened
FPE	Federal Proposed Endangered
FPT	Federal Proposed Threatened
CE	California State-listed Endangered
CT	California State-listed Threatened
CR	California Rare
FP	California Fully Protected
CSC	California Species of Special Concern

California Rare Plant Rank 1A:	Plants presumed extirpated in California and either rare or extinct elsewhere.
California Rare Plant Rank 1B:	Plants rare, threatened, or endangered in California and elsewhere.
California Rare Plant Rank 2A:	Plants presumed extirpated in California, but more common elsewhere.
California Rare Plant Rank 2B:	Plants rare, threatened, or endangered in California, but more numerous elsewhere.
California Rare Plant Rank 3:	Plants about which more information is needed – a review list.
California Rare Plant Rank 4:	Plants of limited distribution – a watch list.

California Native Plant Society Threat Ranks

- 0.1-Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)
- 0.2-Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)
- 0.3-Not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

*Table C-2 Sources:*

*California Natural Diversity Data Base, Natural Heritage Division, California Department of Fish and Wildlife for the Half Moon Bay 7.5-Minute Quadrangle Map and surrounding areas, information dated May 2018.*

*Corelli, Toni. 2017-2018 Consultation. Professional Botanist and Environmental Consultant, California Native Plant Society*