

## **APPENDIX H: SPECIAL STATUS SPECIES**



Scientific Name	Common Name	Federal Status	CNPS Status	State Status	Noted in GGNRA Records?	Dominant Habitat Type, or Occurrence Notes	Habitat requirement and/or association	Micro habitat	San Francisco County	San Mateo County	Marin County	Habitat Present at San Francisco Sites?	Habitat Present at San Mateo Sites?	Habitat Present at Marin Sites?	Is there documentation that species exists in GGNRA?	Could the species exist in the Project Area and in what Dominant Habitat Type?	Species Distribution / Range	Occurrence Comments
<b>Invertebrate Species</b>																		
<i>Callophrys mossii bayensis</i>	San Bruno elfin butterfly	FE	n/a		X	Coastal Scrub	Rocky outcrops and cliffs in coastal scrub habitat.	The larval host plant for san bruno elfins is <i>Sedum spathulifolium</i> , a succulent which grows on rocky, north-facing slopes along the coast.		X			MR, SR-CH	TV, MH	YES	Yes in Coastal Scrub	Found in coastal mountains near San Francisco Bay, in the fog-belt of steep north facing slopes that receive little direct sunlight.	Species occurrences at Milagra Ridge (NPS, 2004)(USFWS). Potential temporary impacts would be minimized to be insignificant.
<i>Icaricia icarioides ssp. Missionensis</i>	Mission blue butterfly	FE	n/a		X	Coastal Scrub	Mission blue butterflies are closely tied to three lupine larval host plants— <i>Lupinus albigifrons</i> , <i>L. variicolor</i> , and <i>L. formosus</i> . These host plants tend to occur on grasslands on thin, rocky soils within broader coastal-scrub habitats.			X	X		MR, SR-CH	TV, OV, AL, MH, FB	YES	Yes in Coastal Scrub	Marin Headlands, the coastal ridges in San Mateo County, San Bruno Mountain, and possibly Twin Peaks in San Francisco	Found in Tennessee Valley, Oakwood Valley, Marin Headlands including Fort Baker, Milagra Ridge, and Sweeney Ridges (NPS, 2004).
<b>Fish Species</b>																		
<i>Eucyclogobius newberryi</i>	Tidewater goby	FE, CH	n/a		X	Open Water	Brackish water habitats along the CA coast from Agua Hedionda Lagoon, San Diego Co. to the mouth of the Smith River.	Found in shallow lagoons and lower stream reaches, they need fairly still but not stagnant water & high oxygen levels.	X	X	X			MH	YES	Yes, in Rodeo Lagoon	Eastern Pacific: Del Norte County in northern California, USA to Del Mar in southern California.	Found in Rodeo Lagoon. Additional suitable habitat in GGNRA-managed areas unlikely.
<i>Oncorhynchus kisutch</i>	Coho salmon-- Central California coast	FE,CH	n/a	SE	X	Open Water	Coastal streams draining to ocean (including those to S.F. Bay) with spawning, juvenile rearing habitat, and migratory corridor				X			SB, MB	Yes	Yes, in Streams Such as Redwood Creek	Point Hope, Alaska south to Chamalu Bay, Baja California, Mexico.	Present in Muir Woods, Redwood Creek (NPS, 2004)

Scientific Name	Common Name	Federal Status	CNPS Status	State Status	Noted in GGNRA Records?	Dominant Habitat Type, or Occurrence Notes	Habitat requirement and/or association	Micro habitat	San Francisco County	San Mateo County	Marin County	Habitat Present at San Francisco Sites?	Habitat Present at San Mateo Sites?	Habitat Present at Marin Sites?	Is there documentation that species exists in GGNRA?	Could the species exist in the Project Area and in what Dominant Habitat Type?	Species Distribution / Range	Occurrence Comments
<i>Oncorhynchus mykiss</i>	Steelhead — Central California Coast	FT, CH	n/a		X	Open Water	Coastal streams draining to ocean (including those to s.f. bay) with spawning , juvenile rearing habitat, and migratory corridor		X		X			SB, MB, MH	Yes	Yes, in Streams Such as Redwood Creek	California streams from the Russian River to Aptos Creek, and the drainages of San Francisco and San Pablo Bays eastward to the Napa River (inclusive),	Present in Muir Woods, Redwood Creek (NPS, 2004), Rodeo Creek/Lagoon, Bolinas Lagoon tribs
<b>Reptile and Amphibian Species</b>																		
<i>Rana aurora draytonii</i>	California red-legged frog	FT, CH	n/a		X	Wetlands	Adult require a dense, shrubby or emergent riparian vegetation closely associated with deep (>0.7 meters) still or slow-moving water.	X		X	X		MR,MP, SR	MB, TV, MH	Yes, in Wetlands		California red-legged frogs are still locally abundant within portions of the San Francisco Bay area (including Marin County) and the central coast. Within the remaining distribution of the species, only isolated populations have been documented in the Sierra Nevada, northern Coast, and northern Transverse ranges.	Present at various localities within Marin and San Mateo Counties (NPS, 2004), including Muir Beach and Mori Point.
<i>Thamnophis sirtalis tetrataenia</i>	San Francisco garter snake	FE	n/a	SE	X	Wetlands	Prefer densely vegetated ponds with adjacent plants for basking. Preferred prey species is red-legged frogs. Estivates in burrow holes.			X			MP	NO	Yes, in Wetlands and Upland Habitats		Historically San Francisco peninsula currently known from South San Francisco near airport and Mori Point near Pacifica. Known occurrence at Mori Pt.	

Scientific Name	Common Name	Federal Status	CNPS Status	State Status	Noted in GGNRA Records?	Dominant Habitat Type, or Occurrence Notes	Habitat requirement and/or association	Micro habitat	San Francisco County	San Mateo County	Marin County	Habitat Present at San Francisco Sites?	Habitat Present at San Mateo Sites?	Habitat Present at Marin Sites?	Is there documentation that species exists in GGNRA?	Could the species exist in the Project Area and in what Dominant Habitat Type?	Species Distribution / Range	Occurrence Comments
<b>Bird Species</b>																		
<i>Charadrius alexandrinus nivosus</i>	Western snowy plover	FT, CH	n/a		X	Beach	Coastal beaches, sand spits, dune-backed beaches, beaches at river mouths, salt pans at lagoons and estuaries, mud flats, and man-made salt ponds.		X		X	SFS - CF, OB, BB	MP, SPP	SB, MB, TV, MH	Yes	Yes, Coastal Dunes and Beaches	Breeds primarily on coastal beaches from southern Washington to southern Baja California, Mexico.	Overwintering populations on Ocean Beach and smaller population at Wildlife Protection Area at Crissy Field. Periodically sighted at other beaches such as Crissy Field, Baker Beach, and Rodeo Beach.
<i>Riparia riparia</i>	Bank swallow		n/a	ST	X	Beach - Rocky Coast	(Nesting) colonial nester; nests primarily in riparian and other lowland habitats west of the desert.	Requires vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, ocean to dig nesting burrows.	X			SFS - FF			Yes	Yes	Widespread in N. Hemisphere. Winters in S. America, Africa, S. Asia.	Species nests in the Fort Funston cliffs.
<i>Strix occidentalis caurina</i>	Northern spotted owl	FT	n/a		X	Coniferous and evergreen forest.	Utilizes coniferous and mixed-hardwood forest areas for breeding in the project area, often in drainages.				X			HV, OV	Yes	Yes, in Areas with Coniferous Habitat	The range encompasses an area from southwestern British Columbia south through the coastal mountains arid Cascade Range (both west and east sides) of Washington and Oregon, south into southwestern Oregon and northwestern California north of San Francisco	

Scientific Name	Common Name	Federal Status	CNPS Status	State Status	Noted in GGNRA Records?	Dominant Habitat Type, or Occurrence Notes	Habitat requirement and/or association	Micro habitat	San Francisco County	San Mateo County	Marin County	Habitat Present at San Francisco Sites?	Habitat Present at San Mateo Sites?	Habitat Present at Marin Sites?	Is there documentation that species exists in GGNRA?	Could the species exist in the Project Area and in what Dominant Habitat Type?	Species Distribution / Range	Occurrence Comments
<b>Mammal Species</b>																		
<i>Arctocephalus townsendi</i>	Guadalupe fur seal	FT	n/a	ST		Unlikely to occur in Project Area	Rocky habitat near ocean's edge		X	X	X				Yes	Species is Occasional Vagrant in Off-Shore Marine Habitat--Unlikely to be Affected by Dog Management Actions	Breeds along the eastern coast of Guadalupe Island, approximately 200 km west of Baja California. In addition, individuals have been sighted in the southern California Channel Islands, including two males who established territories on San Nicolas Island.	
<i>Eumetopias jubatus</i>	Steller sea lion	FT, CH	n/a		X	Unlikely to occur in Project Area	Protected haul out sites.		X	X	X				Yes	No, B/C No Marine Habitat	Breeds from northern Channel Islands north to Aleutians and Pribilofs. Breeding colony on Ano Nuevo Island.	Historic haul-out at Seal Rock, San Francisco.
<b>Plant Species</b>																		
<i>Arctostaphylos hookeri</i> ssp. <i>ravenii</i>	Presidio (Raven's) manzanita	FE	1B	SE	X	Serpentine - Chaparral	Chaparral, coastal prairie, coastal scrub.	Formerly endemic to S.F. area; only one wild plant plus clones remain.open, rocky serpentine slopes. 20-215m.	X						Yes	Yes, in Serpentine Soils	N Central Coast (San Francisco Presidio) .Plants apparently belong to a single clone	

Scientific Name	Common Name	Federal Status	CNPS Status	State Status	Noted in GGNRA Records?	Dominant Habitat Type, or Occurrence Notes	Habitat requirement and/or association	Micro habitat	San Francisco County	San Mateo County	Marin County	Habitat Present at San Francisco Sites?	Habitat Present at San Mateo Sites?	Habitat Present at Marin Sites?	Is there documentation that species exists in GGNRA?	Could the species exist in the Project Area and in what Dominant Habitat Type?	Species Distribution / Range	Occurrence Comments
<i>Hesperolinon congestum</i>	Marin dwarf-flax "Marin Western Flax"	FT	1B	ST	X	Serpentine - Chaparral	Chaparral, valley and foothill grassland.	Known only from Marin, S.F., and San Mateo Counties. In serpentine barrens and in serpentine grassland and chaparral. 30-365m.	X	X	X	SFS - CF, BB	MR, SR-CH, MP, PP	SB, MB, HV, TV, OV, AL, MH, FB	Yes	Yes in Chaparral	NW San Francisco Bay Area. Occurs on Presidio coastal area. **Special Status Vascular Plant Species Monitoring Report GGNRA 2001. It requires openings in grassland habitat with limited thatch and vegetation cover and open soil/outcrops's.	Its decline is attributable to invasive by invasive non-native vegetation; the population would be enhanced by invasive species control and management. The fuel reduction actions for San Francisco lands may need further USFWS consultation to reduce direct affects during vegetation removal and to maximize long-term benefits.
<i>Lessingia germanorum</i>	San Francisco lessingia	FE	1B	SE	X	Coastal Scrub	Coastal scrub.	Known only from San Francisco and San Mateo counties. From remnant dunes. Open sandy soils relatively free of competing plants. 20-125m.	X	X		SFS	MR, SR-CH, MP, PP		Yes	Yes, in Coastal Scrub	San Francisco Bay Area. Species located in the coastal habitat region of the Presidio (Special Status Vascular Plant Species Monitoring Report, GGNRA 2001).	It is anticipated that the rear dune population located at Crissy Field would be unaffected by FMP actions. Species colonizes areas that have been recently disturbed, resulting in possible long-term benefit. The limited population would also be enhanced by invasive species control and management. The fuel reduction actions for San Francisco lands may need further USFWS consultation to reduce direct affects during vegetation removal and to maximize long-term benefits.

Scientific Name	Common Name	Federal Status	CNPS Status	State Status	Noted in GGNRA Records?	Dominant Habitat Type, or Occurrence Notes	Habitat requirement and/or association	Micro habitat	San Francisco County	San Mateo County	Marin County	Habitat Present at San Francisco Sites?	Habitat Present at San Mateo Sites?	Habitat Present at Marin Sites?	Is there documentation that species exists in GGNRA?	Could the species exist in the Project Area and in what Dominant Habitat Type?	Species Distribution / Range	Occurrence Comments
<i>Potentilla hickmanii</i>	Hickman's potentilla (Hickman's cinquefoil)	FE	1B	SE		Coastal Scrub	Coastal bluff scrub, closed-cone coniferous forest, meadows and seeps, marshes and swamps.	Freshwater marshes, seeps, and small streams in open or forested areas along the coast. 5-125m.		X			MR, SR-CH, MP, PP		No	Yes, in Coastal Scrub	N&C Central Coast. Greene's popcorn flower is extirpated in San Francisco.	Per communication w/ Marin-CNPS, no Marin pops known. CNDDDB - Occurrences in San Mateo County - Montara Mountain Quad
<i>Suaeda californica</i>	California seablite	FE			X	Wetlands	Coastal salt marshes.		X			CF, LE			Yes	Yes, in Salt Marshes	Central Coast .	Species was re-introduced into Crissy Field marsh (1999) however no transplants survived (pers. comm. Ling He (NPS) 2004).

**KEY:**

**RTE Status**

CH = Critical Habitat  
 FC = Federal Candidate  
 FT = Federally Threatened  
 FC = Federal Candidate  
 R = Rare  
 ST = State Threatened  
 SE = State Endangered  
 SC = State Candidate

**San Fransisco Co. Sites**

BB = Baker Beach  
 CF = Crissy Field  
 FF = Fort Funston  
 SFS = San Fran Site  
 SFS-CF = San Fran Site / Crissy Field

**San Mateo Co. Sites**

MR = Milagra Ridge  
 MP = Mori Point  
 PP = Pedro Point  
 SR-CH = Sweeny Ridge / Cattle Hill

**Marin Co. Sites**

AL = Alta Ave Fire Road / Orchard Fire Road / Pacheco Fire Road  
 FB = Fort Baker  
 HV = Homestead Valley  
 MB = Muir Beach  
 MH = Marin Headlands Trails  
 OV = Oakwood Valley  
 SB = Stinson Beach  
 TV = Tennessee Valley