

**THE EXTANT AND EXTIRPATED RARE PLANTS OF SAN FRANCISCO**

Scientific Name <sup>b</sup>	Common Name	Family	Rarity Status <sup>d</sup> (fed/st/CNPS)	[Synonymy] SF occurrence notes <sup>h</sup>	Life form Habitat Affinities <sup>i</sup>	# extant SF Occurrences <sup>j</sup>	Flowering Period <sup>k</sup>
<i>Arabis blepharophylla</i>	coast rock cress	Brassicaceae	--/--/4.3	Extant: widespread on rocky bluffs and grasslands	perennial herb Habitat: rocky. • Broadleaved upland forest • Coastal bluff scrub • Coastal prairie • Coastal scrub	12	Feb–May
<i>Arctostaphylos franciscana</i>	Franciscan manzanita	Ericaceae	--/--/1B.1	[ <i>A. hookeri</i> ssp. f.] Extant: Presidio (location suppressed). Historically occurred at Mt. Davidson.	perennial evergreen shrub Habitat: • Coastal scrub (serpentinite)	1	Feb–Apr
<i>Arctostaphylos montana</i> ssp. <i>ravenii</i>	Presidio manzanita	Ericaceae	E/E/1B.1	[ <i>A. hookeri</i> ssp. r.] Extant: Presidio (location suppressed). Historically occurred at Mt. Davidson.	perennial evergreen shrub Habitat: serpentinite outcrops. • Chaparral • Coastal prairie • Coastal scrub	1	Feb–Mar
<i>Arenaria paludicola</i>	marsh sandwort	Caryophyllaceae	E/E/1B	Extirpated. "Swamps; Fort Point." 1899.	perennial stoloniferous herb Habitat: sandy, openings. • Marshes and swamps (freshwater or brackish)	0	May–Aug
<i>Astragalus nuttallii</i> var. <i>nuttallii</i>	ocean bluff milk-vetch	Fabaceae	--/--/4.2	Extant: Baker Beach north, Crissy Field and WWII Memorial.	perennial herb Habitat: • Coastal bluff scrub • Coastal dunes	3	Jan–Nov
<i>Astragalus tener</i> var. <i>tener</i>	alkali milk-vetch	Fabaceae	--/--/1B.2	[ <i>Astragalus tener</i> -E36 Howell et al., 1958] Extirpated. "A plant of low subsaline fields in SF: certainly known only from Mission Dolores." Potrero (1868).	annual herb Habitat: alkaline. • Playas • Valley and foothill grassland (adobe clay) • Vernal pools	0	Mar–Jun
<i>Carex comosa</i>	bristly sedge	Cyperaceae	--/--/2B.1	Extirpated. "Swamps; San Francisco." 1866.	perennial rhizomatous herb Habitat: • Coastal prairie • Marshes and swamps (lake margins) • Valley and foothill grassland	0	May–Sep
<i>Castilleja ambigua</i> ssp. <i>ambigua</i>	johnny-nip	Orobanchaceae	--/--/4.2	Extirpated. "This species probably grew in low places about the borders of salt marshes; San Francisco." 1866.	annual herb (hemiparasitic) Habitat: • Coastal bluff scrub • Coastal prairie • Coastal scrub • Marshes and swamps • Valley and foothill grassland • Vernal pools margins	0	Mar–Aug
<i>Chloropyron maritimum</i> ssp. <i>palustre</i>	Point Reyes bird's-beak	Orobanchaceae	--/--/1B.2	[ <i>Cordylanthus maritimus</i> ssp. <i>palustris</i> ] Extant: Crissy Field.	annual herb (hemiparasitic) Habitat: • Marshes and swamps (coastal salt)	1	Jun–Oct

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<i>Chloropyron molle</i> ssp. <i>molle</i>	soft bird's-beak	Orobanchaceae	E/R/1B.2	[ <i>Cordylanthus mollis</i> -Howell et al., 1958] Extirpated. "Rare endemic of salt marshes bordering San Francisco Bay." 1881. Not listed for SF by CNPS (2014).	annual herb (hemiparasitic) Habitat: • Marshes and swamps (coastal salt)	0	Jul–Nov
<i>Chorizanthe cuspidata</i> ssp. <i>cuspidata</i>	San Francisco spineflower	Polygonaceae	--/--/1B.2	Extant: widespread on sandy sites and remnant dunes.	annual herb Habitat: sandy. • Coastal bluff scrub • Coastal dunes • Coastal prairie • Coastal scrub	10	Apr–Aug
<i>Chorizanthe robusta</i> var. <i>robusta</i>	robust spineflower	Polygonaceae	E/--/1B.1	Extirpated. Ocean View District (1889).	annual herb Habitat: sandy or gravelly. • Chaparral (maritime) • Cismontane woodland (openings) • Coastal dunes • Coastal scrub	0	Apr–Sep
<i>Cirsium andrewsii</i>	Franciscan thistle	Asteraceae	--/--/1B.2	Extant: Baker Beach north, Presidio coastal bluffs, and Fort Pt. bluffs.	perennial herb Habitat: mesic, sometimes serpentinite. • Broadleafed upland forest • Coastal bluff scrub • Coastal prairie • Coastal scrub	3	Mar–Jul
<i>Cirsium hydrophilum</i> var. <i>vaseyi</i>	Mt. Tamalpais thistle	Asteraceae	--/--/1B.2	Extirpated. Presidio (1890). Not listed for SF by CNPS (2014).	perennial herb Habitat: serpentinite seeps. • Broadleafed upland forest • Chaparral • Meadows and seeps	0	May–Aug
<i>Cirsium occidentale</i> var. <i>compactum</i>	compact cobwebby thistle	Asteraceae	--/--/1B.2	Extirpated. Ocean View (1908), Stanley Drive east of Lake Merced (1957)	perennial herb Habitat: • Chaparral • Coastal dunes • Coastal prairie • Coastal scrub	0	Apr–Jun
<i>Clarkia franciscana</i>	Presidio clarkia	Onagraceae	E/E/1B.1	Extant: Inspiration Pt. and WWII Memorial.	annual herb Habitat: • Coastal scrub • Valley and foothill grassland (serpentinite)	2	May–Jul
<i>Collinsia corymbosa</i>	round-headed Chinese houses	Plantaginaceae	--/--/1B.2	Extant: Baker Beach north and Crissy Field.	annual herb Habitat: • Coastal dunes	2	Apr–Jun
<i>Collinsia multicolor</i>	San Francisco collinsia	Plantaginaceae	--/--/1B.2	Extant: Bayview Hill.	annual herb Habitat: sometimes serpentinite. • Closed-cone coniferous forest • Coastal scrub	1	Mar–May
<i>Equisetum palustre</i>	marsh horsetail	Equisetaceae	--/--/3	Extirpated. Lake Merced (1934)	perennial rhizomatous herb Habitat: • Marshes and swamps	0	n/a

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<i>Eriophorum gracile</i>	slender cottongrass	Cyperaceae	--/--/4.3	Extirpated. "In marshes near the Russ Gardens at Sixth and Harrison streets."	perennial rhizomatous herb Habitat: acidic. • Bogs and fens • Meadows and seeps • Upper montane coniferous forest	0	May–Sep
<i>Erysimum franciscanum</i>	San Francisco wallflower	Brassicaceae	--/--/4.2	Extant: common on remnant dunes.	perennial herb Habitat: often serpentinite or granitic, sometimes roadsides. • Chaparral • Coastal dunes • Coastal scrub • Valley and foothill grassland	15	Mar–Jun
<i>Extriplex joaquinana</i>	San Joaquin spearscale	Chenopodiaceae	--/--/1B.2	[ <i>Atriplex joaquiniana</i> ] Extirpated. "...known in SF from a low brackish area bordering the bay just north of Bayview Hills." Not listed for SF by CNPS (2014).	annual herb Habitat: alkaline. • Chenopod scrub • Meadows and seeps • Playas • Valley and foothill grassland	0	Apr–Oct
<i>Fritillaria liliacea</i>	fragrant fritillary	Liliaceae	--/--/1B.2	Extant: Bernal Hill.	perennial bulbiferous herb Habitat: Often serpentinite. • Cismontane woodland • Coastal prairie • Coastal scrub • Valley and foothill grassland	1	Feb–Apr
<i>Gilia capitata</i> ssp. <i>chamissonis</i>	blue coast gilia	Polemoniaceae	--/--/1B.1	Extant: multiple sandy sites.	annual herb Habitat: • Coastal dunes • Coastal scrub	13	Apr–Jul
<i>Gilia millefoliata</i>	dark-eyed gilia	Polemoniaceae	--/--/1B.2	[ <i>Gilia clivorum</i> in part-Howell et al., 1958] Extirpated. "Rare in open rocky grassland: SF; on serpentine at the Presidio, Potrero Hills, Hunters Pt.; Bayview Hills." Mission Dolores (1868), Mission Hills (1900), Presidio (1912)	annual herb Habitat: • Coastal dunes	0	Apr–Jul
<i>Grindelia hirsutula</i>	hairy gumplant	Asteraceae	--/--/3.2	[ <i>G. h.</i> vars. <i>maritima</i> and <i>hirsutula</i> , <i>G. rubricaulis</i> var. <i>confertum</i> ] Extant: widespread on grassy slopes.	perennial herb Habitat: sandy or serpentinite. • Coastal bluff scrub • Coastal scrub • Valley and foothill grassland	18	Jun–Sep

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<i>Helianthella castanea</i>	Diablo helianthella	Asteraceae	--/--/1B.2	Extirpated. "Open grassy slopes or edges of brush or woods: near Ocean View; hills of southeastern SF; Bayview Hills." Presidio (1892), Bay View Hills (1920).	perennial herb Habitat: • Broadleaved upland forest • Chaparral • Cismontane woodland • Coastal scrub • Riparian woodland • Valley and foothill grassland	0	Mar–Jun
<i>Hemizonia congesta</i> ssp. <i>congesta</i>	white seaside tarplant	Asteraceae	--/--/1B.2	Extirpated. southeast SF (early 1900s). Not listed for SF by CNPS (2014).	annual herb Habitat: sometimes roadsides. • Valley and foothill grassland	0	Apr–Nov
<i>Hesperevax sparsiflora</i> var. <i>brevifolia</i>	short-leaved evax	Asteraceae	--/--/1B.2	Extirpated. McLaren Park (1956).	annual herb Habitat: • Coastal bluff scrub (sandy) • Coastal dunes • Coastal prairie	0	Mar–Jun
<i>Hesperolinon congestum</i>	Marin western flax	Linaceae	T/T/1B.1	[ <i>Linum c.</i> ] Extant: Presidio coastal bluffs, Inspiration Pt., and WWII Memorial.	annual herb Habitat: serpentinite. • Chaparral • Valley and foothill grassland	3	Apr–Jul
<i>Heteranthera dubia</i>	water star-grass	Pontederiaceae	--/--/2B.2	Extirpated (listed as extant by CNPS [2014]). Known from a single 1879 SF record.	perennial herb Habitat: Requires a pH of 7 or higher, usually in slightly eutrophic waters. • Marshes and swamps (alkaline, still or slow-moving water)	0	Jul–Oct
<i>Horkelia cuneata</i> var. <i>sericea</i>	Kellogg's horkelia	Rosaceae	--/--/1B.1	[ <i>H. c. ssp. s.</i> ] Extant: Baker Beach north and Presidio coastal bluffs.	perennial herb Habitat: sand or gravel, openings. • Closed-cone coniferous forest • Chaparral (maritime) • Coastal dunes • Coastal scrub	2	Apr–Sep
<i>Hosackia gracilis</i>	harlequin lotus	Fabaceae	--/--/4.2	[ <i>Lotus formosissimus</i> -Howell et al., 1958] Extirpated (listed as extant by CNPS [2014]). "An attractive coastal plant growing in low wet places, in SF known only from Ocean View." 1923.	perennial rhizomatous herb Habitat: wetlands, roadsides. • Broadleaved upland forest • Coastal bluff scrub • Closed-cone coniferous forest • Cismontane woodland • Coastal prairie • Coastal scrub • Meadows and seeps • Marshes and swamps • North Coast coniferous forest • Valley and foothill grassland	0	Mar–Jul

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<i>Iris longipetala</i>	coast iris	Iridaceae	--/--/4.2	Extant: Fairly common and widespread.	perennial rhizomatous herb Habitat: mesic. • Coastal prairie • Lower montane coniferous forest • Meadows and seeps	17	Mar–May
<i>Layia carnosa</i>	beach layia	Asteraceae	E/E/1B.1	Extirpated. "SF sand dunes" (1904).	annual herb Habitat: • Coastal dunes • Coastal scrub (sandy)	0	Mar–Jul
<i>Leptosiphon croceus</i>	coast yellow leptosiphon	Polemoniaceae	--/--/1B.1	[ <i>Linanthus androsaceus</i> ssp. <i>croceus</i> - Howell et al., 1958] Extirpated. "Forming colonies in grasslands in sandy soil: Presidio; Lake Merced." 1902. Not listed for SF by CNPS (2014).	annual herb Habitat: • Coastal bluff scrub • Coastal prairie	0	Apr–May
<i>Leptosiphon grandiflorus</i>	large-flowered leptosiphon	Polemoniaceae	--/--/4.2	[ <i>Linanthus grandiflorus</i> ] Extirpated (listed as extant by CNPS [2014]). "Open grassland: near Presidio; Lakeview (near Lake Merced)." 1866.	annual herb Habitat: usually sandy. • Coastal bluff scrub • Closed-cone coniferous forest • Cismontane woodland • Coastal dunes • Coastal prairie • Coastal scrub • Valley and foothill grassland	0	Apr–Aug
<i>Leptosiphon rosaceus</i>	rose leptosiphon	Polemoniaceae	--/--/1B.1	Extirpated. SF (1885).	annual herb Habitat: • Coastal bluff scrub	0	Apr–Jul
<i>Lessingia germanorum</i>	San Francisco lessingia	Asteraceae	E/E/1B.1	Extant: Presidio and Fort Funston.	annual herb Habitat: • Coastal scrub (remnant dunes)	8	Jun–Nov
<i>Lilium maritimum</i>	coast lily	Liliaceae	--/--/1B.1	Extirpated, if ever present; . Listed as having possibly occurred here by CNPS (2014).	perennial bulbiferous herb Habitat: sometimes roadside. • Broadleafed upland forest • Closed-cone coniferous forest • Coastal prairie • Coastal scrub • Marshes and swamps (freshwater) • North Coast coniferous forest	0	May–Aug
<i>Microseris paludosa</i> *	marsh microseris	Asteraceae	--/--/1B.2	Extirpated but reintroduced at Inspiration Pt. Recorded historically from the Presidio.	perennial herb Habitat: • Closed-cone coniferous forest • Cismontane woodland • Coastal scrub • Valley and foothill grassland	1	Apr–Jul

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<i>Microseris sylvatica</i> *	sylvan microseris	Asteraceae	--/--/4.2	Extirpated. Presidio. Reintroduced at Mountain Lake. Not listed for SF by CNPS (2014).	perennial herb Habitat: • Chaparral • Cismontane woodland • Great Basin scrub • Pinyon and juniper woodland • Valley and foothill grassland (serpentine)	0	Mar–Jun
<i>Monardella sinuata</i> ssp. <i>nigrescens</i>	northern curly-leaved monardella	Lamiaceae	--/--/1B.2	Extirpated. Lake Merced (1913, 1933).	annual herb Habitat: Sandy. • Chaparral (SCR Co.) • Coastal dunes • Coastal scrub • Lower montane coniferous forest (SCR Co., ponderosa pine sandhills)	0	Apr–Sep
<i>Piperia michaelii</i>	Michael's rein orchid	Orchidaceae	--/--/4.2	Extant: Lake Merced.	perennial herb Habitat: • Coastal bluff scrub • Closed-cone coniferous forest • Chaparral • Cismontane woodland • Coastal scrub • Lower montane coniferous forest	1	Apr–Aug
<i>Plagiobothrys chorisianus</i> var. <i>chorisianus</i>	Choris' popcorn-flower	Boraginaceae	--/--/1B.2	[ <i>Allocarya chorisiana</i> -Howell et al., 1958] Extirpated (listed as extant by CNPS [2014]). Full species reported as "locally common in moist places; SF: near Lobos Creek; Golden Gate Park; Mt. Olympus; Clarendon Hts.; near Twin Peaks; Potrero District; Visitacion Valley." Presidio (1902).	annual herb Habitat: mesic. • Chaparral • Coastal prairie • Coastal scrub	0	Mar–Jun
<i>Plagiobothrys diffusus</i>	San Francisco popcorn-flower	Boraginaceae	--/E/1B.1	[ <i>Allocarya diffusa</i> -Howell et al., 1958] Extirpated. "Local on clayey flats near Mountain Lake ." 1881, 1933.	annual herb Habitat: • Coastal prairie • Valley and foothill grassland	0	Mar–Jun
<i>Polemonium carneum</i>	Oregon polemonium	Polemoniaceae	--/--/2B.2	Extirpated (listed as extant by CNPS [2014]).	perennial herb Habitat: • Coastal prairie • Coastal scrub • Lower montane coniferous forest	0	Apr–Sep
<i>Sanicula maritima</i>	adobe sanicle	Apiaceae	--/R/1B.1	Extirpated. "Formerly known from depressions in clayey soil: SF; Potrero Hills." 1891-1895.	perennial herb Habitat: clay, serpentine. • Chaparral • Coastal prairie • Meadows and seeps • Valley and foothill grassland	0	Feb–May

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<i>Silene verecunda</i>	San Francisco campion	Caryophyllaceae	--/--/1B.2	[ <i>S.v. ssp. v.</i> ] Extant: multiple sandy sites in coastal scrub and woodland.	perennial herb Habitat: sandy. • Coastal bluff scrub • Chaparral • Coastal prairie • Coastal scrub • Valley and foothill grassland	9	Mar–Aug
<i>Stebbinsoseris decipiens</i>	Santa Cruz microseris	Asteraceae	--/--/1B.2	Extirpated (listed as extant by CNPS [2014]).	annual herb Habitat: open areas, sometimes serpentinite. • Broadleafed upland forest • Closed-cone coniferous forest • Chaparral • Coastal prairie • Coastal scrub • Valley and foothill grassland	0	Apr–May
<i>Stellaria littoralis</i>	beach starwort	Caryophyllaceae	--/--/4.2	Extant: Presidio coastal bluffs.	perennial rhizomatous herb Habitat: • Bogs and fens • Coastal bluff scrub • Coastal dunes • Coastal scrub • Marshes and swamps	1	Mar–Jul
<i>Suaeda californica</i> *	California seablite	Chenopodiaceae	E/--/1B.1	Extirpated from SF; reintroduced at Heron's Head and Crissy Field; naturalized at Pier 94.	perennial evergreen shrub Habitat: • Marshes and swamps (coastal salt)	3	Jul–Oct
<i>Triphysaria floribunda</i>	San Francisco owl's-clover	Orobanchaceae	--/--/1B.2	[ <i>Orthocarpus floribundus</i> ] Extant: Doyle Dr., Fort Pt. bluffs and WWII Memorial.	annual herb Habitat: usually serpentinite. • Coastal prairie • Coastal scrub • Valley and foothill grassland	3	Apr–Jun
<b>Total Rare SF Taxa:</b>						<b>53</b>	
<b>Total Extant Rare SF Taxa:</b>						<b>24</b>	
<b>Total Extirpated Rare SF Taxa:</b>						<b>29</b>	
<b>Federal/State Listed Taxa:</b>						<b>10</b>	
<b>CNPS List 1 Taxa</b>						<b>27</b>	
<b>CNPS List 2 Taxa</b>						<b>3</b>	
<b>CNPS List 3 Taxa</b>						<b>2</b>	
<b>CNPS List 4 Taxa</b>						<b>11</b>	
<b>Extirpated and Reintroduced Taxa</b>						<b>3</b>	