

FAMILY ^b	SCIENTIFIC NAME ^c Bold font = listed rare taxon Highlighted = extirpated SF indigenous taxon Underlined = nomenclature used in Howell (r) = reintroduced SF indigenous taxon	COMMON NAME ^c	NOTES ^d Synonymy/misapplications Historical and Extant Distribution Rarity Status: (Fed / St / CNPS) Invasive Status: (Cal-IPC / SFWMA / CDFW / USDA)	LIFE FORM ^e	DURATION ^f	HABIT / ECOLOGY ^g	# OCCURENCES ^h	FLOWERING SEASON ⁱ	ENDEMIC SF/Bay Area/CA	NATIVE - SF / CA
SAP	<i>Acer macrophyllum</i>	big-leaf maple	Previously included in the Aceraceae. Not included in Howell, <i>et al.</i> and there are no SF records in CCH. Reported from Buena Vista Park, Glen Cyn. Golden Gate Park (Stow Lake, misc.), McLaren Park, the Presidio (Crissy Bluffs, Ft. Point, Lobos Cr. Valley, Mountain Lake, Officer's Row, Tennessee Hollow), and the Sunset Dist.; presumed planted.	t	dp	Stream-banks, canyons; Elevation: < 1500 m. WET: FAC	12	Mar-Jun	no	N/Y
AST	<i>Arctotheca calendula</i>	South African capeweed	Not included in Howell, <i>et al.</i> and there are no SF records in CCH. Reported from McLaren Park, the Presidio (Crissy Field, Horse Stables, Lyon St. Plantation, Officer's Row, Park Blvd. Plantation, sw. dunes, Tennessee Hollow), Twin Peaks and Yerba Buena Is. INVASIVE STATUS: MA/-/NW,A/-	h	a-p	Naturalized. Disturbed coastal areas; Elevation: < 100 m.	10	Mar-Aug	no	N/N
AST	<i>Arctotheca prostrata</i>	creeping capeweed	Not included in Howell, <i>et al.</i> and there are no historic SF records in CCH. Reported from Candlestick Pt., City College, Crocker Amazon, Ft. Mason, Glen Cyn., Golden Gate Park (Stow Lake, misc.), Lake Merced, Land's End, McLaren Park, the Marina Dist., the Presidio (Crissy Field, Doyle Dr. Natural Area, Dragonfly Cr., Ft. Point, Ft. Scott, Main Post, Officer's Row, Tennessee Hollow), SFSU, and the Sunset Dist. INVASIVE STATUS: M/-/-/-	h	a-p	Naturalized. Escape from cultivation, disturbed areas; Elevation: < 400 m.	18	Jan-Dec	no	N/N
POA	<i>Avena barbata</i>	slender wild oat	Recorded historically (1940) from SF (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/3/-/-	g	a	Naturalized. Disturbed sites; Elevation: 40-1200 m.	56	Mar-Jun	no	N/N
POA	<i>Avena fatua</i>	common wild oat	Recorded historically (1940) from SF (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/3/-/-	g	a	Naturalized. Disturbed sites; Elevation: < 2400 m.	42	Apr-Jun	no	N/N
AST	<i>Bellis perennis</i>	English daisy	Recorded historically (1950) from Ft. Mason, Golden Gate Park, Lone Mt., the Mission Dist., Pacific Hts, Pine Lake, the Presidio, Russian Hill, San Miguel Hills, and SFSU (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	h	p	Naturalized. Rhizomatous. Damp, grassy areas; Elevation: < 900 m.	50	Dec-Sep	no	N/N
POA	<i>Briza maxima</i>	big quaking-grass	Recorded historically (1953) from Glen Cyn., Golden Gate Park (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: L/2/-/-	g	a	Naturalized. Shaded sites, road-sides, pastures, weedy on coastal dunes; Elevation: < 970 m.	59	Apr-Jul	no	N/N
POA	<i>Briza minor</i>	little quaking-grass	Recorded historically (1876) from Bayview Hills, Cliff House, the Embarcadero, Golden Gate Park, Lake Merced, Lone Mt., Mission Dolores, Mt. Davidson, the Presidio (Lobos Cr. Valley), San Miguel Hills (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	g	a	Naturalized. Shaded or moist, open sites; Elevation: 20-600 m. WET: FAC	28	Apr-Jul	no	N/N
POA	<i>Bromus diandrus</i>	ripgrat brome	[<i>B. rigidus</i>] Recorded historically (1897) from Bayview Hills, the Embarcadero, Golden Gate Park, Lake Merced, Lone Mt., Mission Bay, Mt. Davidson, Nob Hill, the Presidio (Lobos Cr. Valley), San Miguel Hills, and Sunset Dist. dunes (Howell, <i>et al.</i> , CCH, Eastwood [1898]). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/2/-/-	g	a	Naturalized. Open, generally disturbed areas; Elevation: < 2170 m.	72	Feb-Jul	no	N/N
POA	<i>Bromus hordeaceus</i>	soft chess brome	[<i>B. mollis</i> ; <i>B. mollis</i> ssp. <i>thominei</i>] Recorded historically (1896) from Bayview Hills, Brotherhood Way, Fisherman's Wharf, Golden Gate Park, Laguna Honda Valley, Lake Merced, Lone Mt., Mission Bay, Mt. Davidson, the Presidio, San Miguel Hills, and the Sunset Dist. (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: L/3/-/-	g	a	Naturalized. Fields, disturbed areas; Elevation: < 1000(2560) m. WET: FACU	49	Apr-Jul	no	N/N
POA	<i>Bromus sitchensis</i> var. <i>carinatus</i>	Cal. brome	[<i>B. carinatus</i>] Reported historically (1860) from Bayview Hills, Corona Hts., Lake Merced, Lakeview/Ashton Mini Park, Land's End, Lone Mt., Mission Hills, Mt. Davidson, Nanny Goat Hill, the Presidio (Baker Beach), San Miguel Hills, Sutro Forest, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	g	p	Coastal prairies, openings in chaparral, plains, open oak and pine woodland; Elevation: < 3500 m.	55	Apr-Aug	no	Y/Y
AST	<i>Carduus pycnocephalus</i> ssp. <i>pycnocephalus</i>	Italian thistle	Recorded historically (1920) from Golden Gate Park, the Marina Dist., and McLaren Park (CCH); also recorded (as full species) from Bayview Hills, Islais Cr., Mission Bay, and Telegraph Hill (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/1/C/-	h	a	Naturalized. Road-sides, pastures, disturbed areas; Elevation: < 1200 m.	60	May-Jun	no	N/N
AIZ	<i>Carpobrotus edulis</i>	sea fig, iceplant	[<i>Mesembryanthemum edule</i>] Recorded historically (1906) from Bayview Hills, Golden Gate Park, Islais Cr., Land's End, Lone Mt., Ocean Beach, the Sunset Dist., and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: H/2/-/-	h	p	Naturalized. Trailing, forming mats; leaves fleshy. Many coastal habitats, especially sand; Elevation: < 100 m.	62	Jan-Dec	no	N/N
AST	<i>Cirsium vulgare</i>	bull thistle	Recorded historically (1908) from Bayview Hills, the Embarcadero, Golden Gate Park, near Islais Cr., Laguna Honda Valley, Lake Merced, Mt. Sutro, San Miguel Hills, se. SF, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/3/NW,C/-	h	b	Naturalized. Disturbed areas; Elevation: < 2350 m. WET: FACU	33	May-Oct	no	N/N
API	<i>Conium maculatum</i>	poison hemlock	Recorded historically (c. 1955) from Bayview Hills, Glen Cyn., Golden Gate Park, Lake Merced, Lone Mt., the Presidio (Lobos Cr. Valley), San Miguel Hills, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/2/-/-	h	b	Naturalized. Moist, especially disturbed places; Elevation: < 1500 m. WET: FACW	59	Apr-Jul	no	N/N
POA	<i>Dactylis glomerata</i>	orchard grass	Recorded historically (1917) from throughout SF (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: L/2/-/-	g	p	Naturalized. Cespitose from short rhizomes. Disturbed, often moist sites; Elevation: < 2410 m. WET: FACU	29	May-Aug	no	N/N
AST	<i>Delairea odorata</i>	Cape-ivy	[<i>Senecio mikanoides</i>] Recorded historically (1950) from Golden Gate Park, Lake Merced, Land's End (Pt. Lobos), Mt. Davidson, the Presidio (above Baker Beach), Russian Hill, San Miguel Hills, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: H/1/NW,B/-	v	p	Naturalized. Shady, more-or-less disturbed places, riparian woodland, coastal scrub; Elevation: < 1500 m. WET: FAC	63	Nov-Mar	no	N/N

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CNV	<i>Dichondra donnelliana</i>	Cal. pony's-foot	Recorded historically (1927) from Bayview Hill, Bernal Hts., Lake Merced (CCH); not included in Howell, <i>et al.</i> , which lists the ornamental <i>D. repens</i> , but suggests the native <i>D. occidentalis</i> is present away from garden settings. Reported from Bayview Hill, Bernal Hts. Park, Crocker Amazon, Dorothy Erskine Park, Glen Cyn., Kite Hill, McLaren Park, Mt. Davidson, O'Shaughnessy Hollow, the Presidio (Battery Dynamite, Crissy Bluffs, Doyle Dr. Natural Area, Dragonfly Cr., Ft. Point, Ft. Scott, Golf Course Natural Area, Horse Stables, Inspiration Pt., Mountain Lake, Oak Study Area, Officer's Row, Presidio Bluffs, Res. Cultural Plantation, Rob Hill, Tennessee Hollow, WWII Memorial), and Twin Peaks. Reintroduced at Suto Forest.	h	p	Matted from creeping stolons. Open slopes, moist fields; Elevation: < 425 m.	28	Mar-Jun	CA	Y/Y
AIZ	<i>Drosanthemum floribundum</i>	rosea iceplant	[<i>Mesembryanthemum f.</i>] Recorded historically (1941) from Ft. Funston, Golden Gate Park, Land's End, Lone Mt., the Presidio (Presidio Bluffs; Howell, <i>et al.</i> , CCH). Reported from Alcatraz Is., Cliff House, Ft. Funston, Golden Gate Park, Land's End, McLaren Park, the Presidio (Ft. Point., Ft. Scott, Mountain Lake, Officer's Row, Presidio Bluffs), Suto Baths, and Tank Hill.	h	p	Naturalized. Mat-forming. Coastal habitats; Elevation: < 35 m.	13	Apr-Jul	no	N/N
POA	<i>Ehrharta erecta</i>	erect veldtgrass	Recorded historically (1973) from Golden Gate Park and Grand View Avenue near the base of Twin Peaks (CCH); not included in Howell, <i>et al.</i> Reported from throughout the city and the Presidio. INVASIVE STATUS: M/1/-/-	g	p	Naturalized. Erect or ascending, not rhizomatous. Disturbed, often shady, moist sites; Elevation: generally < 915 m.	76	Mar-Jun	no	N/N
POA	<i>Elymus triticoides</i>	alkali wildrye	[<i>Leymus t.</i>] Recorded historically (1865) from Bayview Hills, the Embarcadero, near Islais Cr., Lake Merced, Lone Mt., and the Presidio (Howell, <i>et al.</i> , CCH). Reported from Alcatraz Is., Bayview Hill, Candlestick Pt., Hawk Hill, Land's End, Suto Baths, Yerba Buena Is., and throughout the Presidio. Host for the Woodland Skipper butterfly. SF is the type locality (holotype of <i>E.t.</i> ssp. <i>multiflorus</i>).	g	p	Rhizomatous. Dry to moist, often saline, meadows; Elevation: < 2500 m.	36	Jun-Jul	no	Y/Y
ONA	<i>Epilobium brachycarpum</i>	tall annual willow-herb	[incl. <i>E. paniculatum forma adenocladon</i> and <i>laevicaule</i>] Recorded historically (1901) from Bayview Hills, the Embarcadero, Golden Gate Park, Laguna Honda Valley, Lake Merced, Land's End (Pt. Lobos), Lone Mt. McLaren Park, Mt. Davidson, Pine Lake, the Presidio, San Miguel Hills, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	h	a	Dry or seasonally moist, often disturbed ground in open woods, meadows, prairies, esp. on road-sides, stream-banks; Elevation: < 3300 m. WET: FAC	40	Jun-Sep	no	Y/Y
GER	<i>Erodium botrys</i>	broad-leaf or long-beaked filaree	Recorded historically (1911) from Bayview Hills, the Embarcadero, Golden Gate Park, Lake Merced, the Marina Dist., Russian Hill, San Miguel Hills (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	h	a	Naturalized. Dry, open or disturbed sites; Elevation: < 1000 m. WET: FACU	29	Mar-Jul	no	N/N
PHR	<i>Erythranthe guttata</i>	streamside monkey-flower	[<i>Mimulus guttatus</i>] Previously included in the Scrophulariaceae. Recorded historically (1892) from Glen Cyn, Lake Merced, Land's End, Marina Dist., the Presidio (Ft. Point, Lobos Cr., Mountain Lake; Howell, <i>et al.</i> , CCH). Reported from Ft. Funston, Glen Cyn., Golden Gate Park (Chain-of-Lakes, misc.), Interior Greenbelt, Lake Merced, Land's End, McLaren Park, O'Shaughnessy Hollow, the Presidio (Baker Beach, Crissy Bluffs, Crissy Field, Doyle Dr. Natural Area, Dragonfly Cr., Ft. Point, Ft. Scott, Golf Course Natural Area, Inspiration Pt., Lobos Cr. Valley, Mountain Lake, Officer's Row, Presidio Bluffs, Tennessee Hollow, WWII Memorial), Suto Baths, and Yerba Buena Is.; reintroduced at Suto Forest. Host plant for the Common Buckeye, Variable Checkerspot, and Mylitta Crescent butterflies.	h	p	Rhizomatous. Wet places, generally terrestrial, occasionally emergent or floating in mats; Elevation: < 2500 m. WET: OBL	27	Mar-Aug	no	Y/Y
PAP	<i>Eschscholzia californica</i>	Cal. poppy	Recorded historically (c. 1817) from throughout SF (Howell, <i>et al.</i> , CCH). Common throughout the city and the Presidio. SF is the type locality (isotype of <i>E.c.</i> var. <i>luxurians</i>).	h	a-p	Grassy, open areas; Elevation: < 2500 m.	89	Feb-Sep	no	Y/Y
MRT	<i>Eucalyptus globulus</i>	Tasmanian blue gum	Recorded historically (c. 1955) from Bayview Hills, Golden Gate Park, Lake Merced, Lone Mt., Mt. Suto, the Presidio, and Stern Grove (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: L/1/-/-	t	ep	Naturalized. Disturbed areas; Elevation: < 300 m.	69	Oct-Jan	no	N/N
POA	<u><i>Festuca arundinacea</i></u>	tall reed fescue, alta fescue	[<i>Lolium a.</i> ; <i>F. elatior</i>] Recorded historically (1956) from near Islais Cr. (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/-/-/-	g	p	Naturalized. Sometimes with rhizomes. Disturbed places; Elevation: < 2700 (generally < 1000) m.	37	May-Jun	no	N/N
POA	<i>Festuca perennis</i>	perennial ryegrass	[<i>Lolium multiflorum</i> ; <i>L. perenne</i>] Recorded historically (1901) from throughout SF (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/3/-/-	g	a-p	Naturalized. Dry to moist disturbed sites, abandoned fields; Elevation: < 1000 m. WET: FAC	60	May-Sep	no	N/N
POA	<u><i>Festuca rubra</i></u>	red fescue	Recorded historically (1882) from Bayview Hills, Laguna Honda Valley, Land's End (Pt. Lobos), Lone Mt., the Presidio (above Baker Beach, Ft. Point, Lobos Cr. Valley), Russian Hill, and Sunset Hts. (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	g	p	Rhizomatous. Sand dunes, grassland, subalpine forest; Elevation: generally < 2500 m. WET: FAC	38	May-Jul	no	Y/Y
API	<u><i>Foeniculum vulgare</i></u>	sweet fennel	Recorded historically (1933) from Bayview Hills, Corona Hts., the Embarcadero, Fisherman's Wharf, Golden Gate Park, Laguna Honda Valley, Lake Merced, Land's End (Pt. Lobos), Lone Mt., Mt. Davidson, the Richmond Dist., Russian Hill, and the Sunset Dist. (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/1/-/-	h	p	Naturalized. Road-sides, disturbed sites; Elevation: < 1600 m.	67	May-Sep	no	N/N
ROS	<i>Fragaria vesca</i>	woodland strawberry	[<i>F. californica</i> ; <i>F. cinnata</i>] Recorded historically (1924) from Laguna Honda Valley, Twin Peaks, Mt. Davidson, San Miguel Hills (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. SF is the type locality (type of <i>F. cinnata</i>).	h	p	Rhizomatous, with stolons. Generally partial shade in forest; Elevation: 15-2000 m. WET: UPL	24	Jan-Jul	no	Y/Y

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FAB	<i>Genista monspessulana</i>	French broom	[<i>Cytisus monspessulans</i>] Recorded historically (1954) from Bayview Hills, the Embarcadero, Golden Gate Park, Lake Merced, Land's End, Lone Mt., the Presidio (Doyle Dr.), the Richmond Dist., Russian Hill, San Miguel Hills, se. SF, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: H/1/NW,C/—	s	ep	Naturalized. Disturbed places; Elevation: < 900 m.	61	Mar-Jun	no	N/N
GER	<i>Geranium dissectum</i>	cut-leaf crane's-bill	Recorded historically (1924) from Bayview Hills, Ft. Mason, Golden Gate Park, near Islais Cr., Lake Merced, Land's End, Lone Mt., Mt. Davidson, the Presidio (Lobos Cr. Valley, Mountain Lake), the Richmond Dist., San Miguel Hills, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: L/3/—/—	h	a	Naturalized. Open, disturbed sites; Elevation: < 1300 m.	59	Mar-Jul	no	N/N
ARL	<i>Hedera canariensis</i>	Algerian Ivy	Not included in Howell, <i>et al.</i> and there are no SF records in CCH. Reported from throughout the city and the Presidio. INVASIVE STATUS: H/2/—/—	v	p	Naturalized. Woody vine. Woodland, chaparral, disturbed areas; Elevation: < 916 m.	42	Aug-Nov	no	N/N
ARL	<i>Hedera helix</i>	English Ivy	Recorded historically (1954) from Golden Gate Park, Lone Mt., Mt. Davidson, the Presidio (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio; often confused with <i>H. canariensis</i> . INVASIVE STATUS: H/2/—/—	s-v	p	Naturalized. Woodland, open, disturbed areas; Elevation: < 1280 m. WET: FACU	71	Aug-Nov	no	N/N
CUP	<i>Hesperocyparis macrocarpa</i>	Monterey cypress	[<i>Cupressus m.</i>] Recorded historically (1898) from Bayview Hills, Golden Gate Park, Laguna Honda Valley, McLaren Park, Lake Merced, Land's End, Lone Mt., Pine Lake, and the Presidio (Howell, <i>et al.</i> , CCH). This Cal. native species is not indigenous to SF. Commonly found throughout the city and the Presidio. RARITY STATUS: (applies only to native stands) —/—/1B.2. INVASIVE STATUS: —/3/—/—	t	ep	Closed-cone-pine/cypress forests; Elevation: < 50 m in native range.	72	n/a	CA	N/Y
ROS	<i>Heteromeles arbutifolia</i>	toyon, Cal. Christmas-berry	[<i>Photinia a.</i>] Recorded historically (1837) from Golden Gate Park, Laguna Honda Valley, Lake Merced, Lone Mt., and the Presidio (Ft. Point; Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	s-t	ep	Chaparral, oak woodland, mixed-evergreen forest; Elevation: < 1300 m.	73	May-Aug	no	Y/Y
POA	<i>Holcus lanatus</i>	common velvet-grass	Recorded historically (1865) from Alcatraz Is., Brotherhood Way, Lone Mt., Mt. Davidson, Mt. Sutro, the Presidio (Mountain Lake), and San Miguel Hills (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/2/—/—	g	p	Naturalized. Moist sites, road-banks, cultivated fields, meadows; Elevation: < 2400 m. WET: FAC	44	Jun-Aug	no	N/N
POA	<i>Hordeum murinum</i> ssp. <i>leporinum</i>	mouse barley	[<i>H. leporinum</i>] Recorded historically (1900) from throughout SF (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/3/—/—	g	a	Naturalized. Winter annual. Moist, generally disturbed sites; Elevation: < 1900 m. WET: FACU	71	Feb-May	no	N/N
AST	<i>Hypochaeris radicata</i>	rough cat's-ear	Recorded historically (1901) from Bayview Hills, the Embarcadero, Lake Merced, Lone Mt., McLaren Park, the Mission Dist., Mt. Davidson, Pacific Hts., the Presidio (Ft. Point, Lobos Cr. Valley), Russian Hill, San Miguel Hills, and Sunset Dist. dunes (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/2/—/—	h	a	Naturalized. Disturbed areas, grassland, open woodland; Elevation: < 1500 m. WET: FACU	54	Apr-Jul	no	N/N
AQF	<i>Ilex aquifolium</i>	English holly	Not included in Howell, <i>et al.</i> and there are no historic SF records in CCH. Reported from throughout the city and the Presidio. INVASIVE STATUS: L/3/—/—	s-t	ep	Naturalized. Cool, wooded areas; Elevation: < 200 m. WET: FACU	35	May-Jun	no	N/N
IRI	<i>Iris douglasiana</i>	Douglas iris	Recorded historically (1887) from Brotherhood Way, Laguna Honda Valley, Lake Merced, Land's End, McLaren Park, Mt. Davidson, Mt. Sutro, Oceanview, the Presidio, San Miguel Hills, Sutro Hts., and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	gp	p	Rhizomatous. Grassy places, especially near coast; Elevation: generally < 200 m.	46	May-Jul	no	Y/Y
POA	<i>Koeleria macrantha</i>	crested June-grass	[<i>K. cristata</i> ; <i>K. gracilis</i>] Recorded historically (c. 1860) from Bayview Hills, Bernal Hts., Brotherhood Way, Laguna Honda Valley, Lake Merced, Lone Mt., McLaren Park, Mt. Davidson, Mt. Sutro, the Presidio, San Miguel Hills, Sunset Hts., and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	g	p	Cespitose. Dry, open sites, clay to rocky soils, shrubland, woodland, conifer forest; Elevation: < 3840 m.	24	May-Jul	no	Y/Y
LAM	<i>Lamium purpureum</i>	purple dead-nettle	Not included in Howell, <i>et al.</i> and there are no SF records in CCH. Reported from City College, Golden Gate Park (Chain-of-Lakes, Oak Woodland, misc.), Laguna Honda Valley, and the Presidio (Crissy Field, Mountain Lake, Officer's Row), and the Sunset Dist.	h	a	Naturalized. Disturbed sites, meadows; Elevation: < 300 m.	7	Apr-Sep	no	N/N
CPR	<i>Lonicera japonica</i>	Japanese honeysuckle	Recorded historically (1927) from Golden Gate Park, Lake Merced, McLaren Park, Mt. Davidson, the Presidio, and Sunset Dist. dunes (Howell, <i>et al.</i> , CCH). Reported as naturalized at Alcatraz Is., Bernal Hts. Park, Glen Cyn., Golden Gate Park (Stow Lake), Interior Greenbelt, Land's End, Mt. Davidson, Pine Lake, the Presidio (Lobos Cr. Valley, Mountain Lake, Officer's Row, Tennessee Hollow), the Richmond Dist., SFSU, the Sunset Dist., Sutro Forest, and Yerba Buena Is.	v	ep	Naturalized. Twining. Disturbed places; Elevation: generally < 1000 m. WET: FACU	15	May-Jul	no	N/N
FAB	<i>Lupinus arboreus</i>	yellow bush-lupine	Recorded historically (1881) from Bayview Hills, Golden Gate Park, Islais Cr., Lake Merced, Lone Mt., Mt. Davidson, Potrero Hills, the Presidio (Lobos Cr. Valley, Mountain Lake), Pt. Lobos, Sunset Dist. dunes, and Sutro Hts. (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	s	dp	Coastal bluffs, dunes, or more inland; Elevation: < 100 m.	69	Apr-Jul	no	Y/Y
MRS	<i>Lysimachia arvensis</i>	scarlet pimpernel	[<i>Anagallis a.</i> ; incl. <i>A. a. forma azurea</i>] Previously included in the Primulaceae. Recorded historically (1924) from Bayview Hills, Golden Gate Park (Stow Lake), Laguna Honda Valley, Lake Merced, Land's End (Pt. Lobos), Lone Mt., McLaren Park, Mt. Davidson, the Presidio (Ft. Point), the Richmond Dist., Russian Hill, San Miguel Hills, and Sunset Dist. dunes (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	h	a	Naturalized. Disturbed areas, abandoned fields, road-sides; Elevation: < 100 m. WET: FAC	62	Mar-May	no	N/N

FAMILY ^b	SCIENTIFIC NAME ^c Bold font = listed rare taxon Highlighted = extirpated SF indigenous taxon Underlined = nomenclature used in Howell (r) = reintroduced SF indigenous taxon	COMMON NAME ^c	NOTES ^d Synonymy/misapplications Historical and Extant Distribution Rarity Status: (Fed / St / CNPS) Invasive Status: (Cal-IPC / SFWMA / CDFG / USDA)	LIFE FORM ^e	DURATION ^f	HABIT / ECOLOGY ^g	# OCCURENCES ^h	FLOWERING SEASON ⁱ	ENDEMIC SF/Bay Area/CA	NATIVE - SF / CA
MLV	<u>Malva nicaeensis</u>	bull mallow	Recorded historically (1924) from Bayview Hills, Cliff House, the Embarcadero, Ft. Mason, Golden Gate Park, Lake Merced, Lone Mt., the Presidio, Russian Hill, San Miguel Hills, and the Sunset Dist. (Howell, <i>et al.</i> , CCH). Reported from Candlestick Pt., Corona Hts., Duncan-Castro Open Space, Glen Cyn., Golden Gate Park (Oak Woodland, misc.), Laguna Honda Valley, Land's End, McLaren Park, Pier 94, Starr King, Sutro Forest, and Yerba Buena Is., and from throughout the Presidio.	h	a-b	Naturalized. Disturbed places; Elevation: < 1200 m.	36	Mar-Jun	no	N/N
MLV	<u>Malva parviflora</u>	little cheeseweed	Recorded historically (1887) from Bayview Hills, Golden Gate Park, Hunters Pt., near Islais Cr., Lone Mt., Nob Hill, and Russian Hill (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	h	a	Naturalized. Prostrate. Disturbed places; Elevation: < 2500 m.	48	Mar-May	no	N/N
CUC	<u>Marah fabacea</u>	Cal. man-root	[<u>M. fabacea</u>] Recorded historically (1882) from Bayview Hills, Ft. Funston Golden Gate Park (Oak Woodland, Stow Lake, Strawberry Hill), Laguna Honda Valley, Lake Merced, Land's End, Lone Mt., Mission Dolores, Mt. Davidson, Mt. Sutro, the Presidio (Baker Beach, Ft. Point, Lobos Cr. Valley, Presidio Bluffs), Russian Hill, San Miguel Hills, Sunset Dist. dunes, Twin Peaks, and Visitation Valley (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	h	p	Vining, from a large tuber. Stream-sides, washes, shrubby open areas; Elevation: < 1600 m.	66	Feb-Apr	CA	Y/Y
FAB	<u>Medicago polymorpha</u>	common bur-clover	[<u>M. hispida</u> var. <u>confinis</u> and var. <u>apiculata</u> ; <u>M. denticula</u>] Recorded historically (1891) from Bayview Hills, the Embarcadero, Golden Gate Park, Hunters Pt., near Islais Cr., Lake Merced, Lone Mt., Nob Hill, the Presidio, Russian Hill, San Miguel Hills, the Sea Cliff Dist., the Sunset Dist., and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: L/2/—/—	h	a	Naturalized. Chaparral, oak woodland, stream-banks, road-sides, disturbed areas; Elevation: < 1500 m. WET: FACU	66	Mar-Jul	no	N/N
MLV	<u>Modiola caroliniana</u>	Carolina bristle-mallow	Recorded historically (1951) from Golden Gate Park and the Marina Dist. (Howell, <i>et al.</i> , CCH). Reported from Candlestick Pt., Crocker-Amazon Playground, Golden Gate Park (Lily Pond), Land's End, Pine Lake, the Presidio (Ft. Scott, Lover's Lane, Lyon St. Plantation, Mountain Lake, Officer's Row, Presidio Hills, Tennessee Hollow, and WWII Memorial), the Sunset Dist., and Sutro Hts.	h	a-p	Naturalized. Prostrate to decumbent or creeping. Grassland, disturbed areas; Elevation: generally < 400 m. WET: FAC	14	Mar-Nov	no	N/N
PLG	<u>Muehlenbeckia complexa</u>	maidenhair wire-vine	Recorded historically (1941) from Brotherhood Way, Golden Gate Park, and the Presidio (Howell, <i>et al.</i> , CCH). Reported from Balboa Natural Area, Buena Vista Park, Douglas Park, Ft. Funston, Golden Gate Park (Quarry Lake/Lily Pond, misc.), Land's End, the Presidio (Baker Beach, Doyle Dr. Natural Area, Dragonfly Cr., Ft. Point, Ft. Scott, Inspiration Pt., Liggett St. Housing, Lobos Cr. Valley, Lyon St. Plantation, Officer's Row, Tennessee Hollow), Sutro Baths, Sutro Hts., Telegraph Hill, Treasure Is., and Yerba Buena Is.; expected elsewhere. Potentially invasive.	s	p	Naturalized. Straggling or climbing, in dense tangles. Disturbed areas, coastal bluffs, sandy and rocky places; Elevation: < 500 m.	22	Jul-Sept	no	N/N
SCR	<u>Myoporum laetum</u>	ngaio	Previously included in the Myoporaceae. Recorded historically (1974) from Golden Gate Park and the Presidio (near Crissy Field; CCH); not included in Howell, <i>et al.</i> Reported from throughout the city and the Presidio. INVASIVE STATUS: M/3/—/—	s-t	p	Naturalized. Open areas in grassland, scrub, riparian habitats, generally coastal; Elevation: < 460 m. WET: FACU	45	esp	no	N/N
PLM	<u>Navarretia squarrosa</u>	striped skunkweed	Recorded historically (1852) from Golden Gate Park, Laguna Honda Valley, Lake Merced, Mt. Davidson, the Presidio (Lobos Cr. Valley to Ft. Point), San Miguel Hills, and Sunset Dist. dunes (Howell, <i>et al.</i> , CCH). Reported from Bayview Hill, Hawk Hill, Laurel Hts., McLaren Park, the Presidio (Crissy Bluffs, Crissy Field, Doyle Dr. Natural Area, Dragonfly Cr., Ft. Point, Ft. Scott, Horse Stables, Infantry Terrace, Inspiration Pt., Lobos Cr. Valley, Officer's Row, Presidio Bluffs, Presidio Hills, Rob Hill, sw. dunes, Tennessee Hollow, WWII Memorial); recently seen at Yerba Buena Is. where it may be an incidental introduction.	h	a	With skunk-like odor. Open, wet, gravelly flats, slopes; Elevation: < 1100 m. WET: FACU	21	Jun-Aug	no	Y/Y
ROS	<u>Oenleria cerasiformis</u>	oso berry	[<u>Osmaronia</u> c.] Recorded historically (1862) from Bayview Hills, Brotherhood Way, Laguna Honda Valley, Land's End, McLaren Park, Mission Dolores, Mt. Davidson, Mt. Sutro, the Presidio (Baker Beach, Ft. Point), and San Miguel Hills (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio, Treasure Is., and from Yerba Buena Is.	s-t	dp	Chaparral, canyons, stream-banks, lowland wet to dry open woodland, coast to shaded conifer forest; Elevation: < 1850 m. WET: FACU	38	Feb-Apr	no	Y/Y
OXL	<u>Oxalis incarnata</u>	crimson wood-sorrel	Recorded historically (1956) from Golden Gate Park, Mt. Sutro, Pine Lake, the Richmond Dist., the Sea Cliff Dist., the Sunset Dist., and Telegraph Hill (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	h	p	Naturalized. Rhizomatous, with bulbs. Shady woodland; Elevation: < 400 m.	37	Mar-Jun	no	N/N
PLG	<u>Persicaria capitata</u>	pink-head knotweed	[<u>Polygonum capitatum</u>] Recorded historically (1977) from near Corona Hts., the Mission Dist. and Pacific Hts. (CCH); not included in Howell, <i>et al.</i> Reported from Billy Goat Hill, Buena Vista Park, Clarendon Hts., Corona Hts., the Embarcadero, Ft. Mason, Glen Cyn., Golden Gate Park (Strawberry Hill, misc.), Hayes Valley, Laurel Hts., McLaren Park, Merced Hts., the Mission Dist., Mt. Davidson, Nob Hill, the Presidio (Crissy Bluffs), Presidio Hts., the Richmond Dist., SFSU, and the Sunset Dist.; common in urban gardens throughout the city.	h	p	Naturalized. Rhizomatous. Disturbed places; cultivated; Elevation: < 500 m. WET: FACU	20	Jun-Sep	no	N/N
PHY	<u>Phytolacca americana</u> var. <u>americana</u>	American pokeweed	Recorded historically (1954, as full species) from Golden Gate Park (CCH); not included in Howell, <i>et al.</i> Presumably <u>P.a.</u> var. <u>americana</u> . Reported from 15th Ave. Steps, Buena Vista Park, Candlestick Pt., Ft. Mason, Golden Gate Park (Oak Woodland, misc.), Heron's Head Park, Land's End (Lincoln Park), McLaren Park, the Presidio (Doyle Dr. Natural Area, Dragonfly Cr., Golf Course Natural Area, Inspiration Pt., Lobos Cr. Valley, Mountain Lake, Officer's Row, sw. dunes, Tennessee Hollow, WWII Memorial), the Richmond Dist., and the Sunset Dist. INVASIVE STATUS: L/—/—/—	h	p	Naturalized. Disturbed areas, road-sides; Elevation: generally < 1000 m. WET: FAC	19	sum-fall	no	N/N

FAMILY ^b	SCIENTIFIC NAME ^c Bold font = listed rare taxon Highlighted = extirpated SF indigenous taxon Underlined = nomenclature used in Howell (r) = reintroduced SF indigenous taxon	COMMON NAME ^c	NOTES ^d Synonymy/misapplications Historical and Extant Distribution Rarity Status: (Fed / St / CNPS) Invasive Status: (Cal-IPC / SFWMA / CDFWA / USDA)	LIFE FORM ^e	DURATION ^f	HABIT / ECOLOGY ^g	# OCCURRENCES ^h	FLOWERING SEASON ⁱ	ENDEMIC SF/Bay Area/CA	NATIVE - SF / CA
PHY	<i>Phytolacca heterotepala</i>	Mexican pokeweed	Recorded historically (1955) from Golden Gate Park (CCH); not included in Howell, <i>et al.</i> Reported from Bernal Hts. Park, Candlestick Pt., Corona Hts., near Ft. Mason, Golden Gate Park (Oak Woodland, Strawberry Hill, misc.), Hunters Pt., Land's End (Lincoln Park), Potrero Hill, the Presidio (Lobos Cr. Valley, Lover's Lane, Lyon St. Plantation, Main Post, Mountain Lake, Officer's Row, Presidio Bluffs), the Richmond Dist., Russian Hill, the Sunset Dist., above Sutro Baths, and Sutro Hts. INVASIVE STATUS: -/-/A/-	h	p	Waif or garden escape; not naturalized. Disturbed areas; Elevation: 10-60 m.	19	sum-win	no	N/N
PIN	<i>Pinus radiata</i>	Monterey pine	Recorded historically (1915) from Golden Gate Park, Laguna Honda Valley, McLaren Park, Pine Lake, and the Presidio (Howell, <i>et al.</i>, CCH). This Cal. native species is not indigenous to SF. Commonly found throughout the city and the Presidio. RARITY STATUS: (applies only to native stands) -/-/IB.1. INVASIVE STATUS: -/2/-/-	t	ep	Closed-cone-pine forest, oak woodland; Elevation: < 1300 m.	62	n/a	no	N/Y
PTG	<i>Plantago lanceolata</i>	lance-leaf English plantain	Recorded historically (1882) from Bayview Hills, the Embarcadero, Golden Gate Park, Hunters Pt. Ridge, Laguna Honda Valley, Lake Merced, Land's End, Lone Mt., the Marina Dist., Mt. Davidson, Nob Hill, the Presidio (Baker Beach, Doyle Dr.), the Richmond Dist., Russian Hill, San Miguel Hills, Sunset Dist. dunes, Twin Peaks, and Visitación Valley (Howell, <i>et al.</i> , CCH, Eastwood [1898]). Reported from throughout the city and the Presidio. INVASIVE STATUS: L/2/-/-	h	p	Naturalized. Disturbed areas; Elevation: < 1600 m. WET: FAC	78	Apr-Aug	no	N/N
CRY	<i>Polycarpon tetraphyllum</i> var.	four-leaved alseed	Recorded historically (1935, as full species) from Bayview Hills, the Embarcadero, Golden Gate Park, Lake Merced, Land's End, Lone Mt., Pacific Hts., the Presidio (Mountain Lake), Russian Hill, San Miguel Hills, and the Sunset Dist. (Howell, <i>et al.</i> , CCH). Reported (as full species) from throughout the city and the Presidio; presumably <i>P.t.</i> var. <i>tetraphyllum</i> .	h	a	Naturalized. Disturbed shaded areas, road-sides; Elevation: < 450 m, 1180 m.	36	sp-fall	no	N/N
DRY	<i>Polystichum munitum</i>	western sword-fern	Recorded historically (1884) from Bayview Hills, Brotherhood Way, Golden Gate Hts., Golden Gate Park, Lake Merced, Land's End (Pt. Lobos), Lone Mt., Mt. Davidson, the Presidio (Pt. Point, Golf Course), San Miguel Hills, Telegraph Hill, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	f	p	Rhizomatous. Wooded hillsides, shaded slopes, rarely cliffs, outcrops; Elevation: < 1600 m. WET: FACU	56	n/a	no	Y/Y
LAM	<i>Prunella vulgaris</i> var. <i>vulgaris</i>	common self-heal	[<i>P.v.</i> var. <i>parviflora</i> ; <i>P.v.</i> var. <i>atropurpurea</i>] Recorded historically (1941) from Golden Gate Park, Land's End (Pt. Lobos), the Presidio (Pt. Point, Presidio Bluffs), St. Mary's Hospital and the Sunset Dist. (Howell, <i>et al.</i> , CCH). Reported from Crocker-Amazon Natural Area, Glen Cyn., Golden Gate Park, Ingleside, Land's End (Lincoln Park), Laurel Hts., McLaren Park, O'Shaughnessy Hollow, the Presidio (Crissy Field, Ft. Scott, Lyon St. Plantation, Officer's Row, Tennessee Hollow, Washington/Armature Housing, WWII Memorial), and SFSU; expected elsewhere.	h	p	Naturalized. Moist, disturbed sites; Elevation: < 2500 m. WET: FACU	14	Jul-Aug	no	N/N
DST	<i>Pteridium aquilinum</i> var. <i>pubescens</i>	western bracken-fern	Recorded historically (1902) from Bayview Hills, Golden Gate Park, Laguna Honda Valley, Lake Merced, Land's End, Lone Mt., Mt. Sutro, the Presidio (above Baker Beach), San Miguel Hills, SFSU, Sunset Dist. dunes, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	f	p	Rhizomatous. Pastures, woodland, meadows, hillsides, partial to full sun; Elevation: < 3200 m. WET: FACU	54	n/a	no	Y/Y
ROS	<i>Pyracantha coccinea</i>	scarlet firethorn	Not included in Howell, <i>et al.</i> and there are no SF records in CCH. Reported from Glen Cyn., the Presidio (Officer's Row), the Richmond Dist., Visitación Valley, and Yerba Buena Is.; expected elsewhere. INVASIVE STATUS: L/-/-/-	s	p	Waif or garden escape; not naturalized. Mixed-conifer forest, disturbed ground; Elevation: < 1500 m.	3	May-Jun	no	N/N
FAG	<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak	Recorded historically (1837, as full species) from Bayview Hills, Brotherhood Way, Golden Gate Hts., Golden Gate Park, Laguna Honda Valley, Lake Merced, Laurel Hill Cemetery, Lobos Cr. Valley, McLaren Park, Mt. Sutro, the Presidio (Lobos Cr. Valley), and Visitación Valley (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio; reintroduced at Sutro Forest and at several Presidio sites. Especially well-developed stands of native live oak woodlands occur at Brotherhood Way, Golden Gate Park, Lake Merced, the Presidio (Lobos Cr. Valley) and Yerba Buena Is. (once called "Wood Island" for its abundance of oaks used for ship repair.)	t	ep	Valleys, slopes, mixed-evergreen forest, woodland; Elevation: < 1440 m.	67	Mar-Apr	no	Y/Y
BRA	<i>Raphanus sativus</i>	garden radish	Recorded historically (1927) from Bayview Hills, the Embarcadero, Golden Gate Park, Lake Merced, Land's End, Lone Mt., the Presidio (Mountain Lake), Russian Hill, San Miguel Hills, and Sunset Dist. dunes (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: L/1/-/-	h	a-b	Naturalized. Disturbed areas, fields; Elevation: < 1500 m.	83	May-Jul	no	N/N
ROS	<i>Rubus armeniacus</i>	Himalayan blackberry	[<i>R. discolor</i> ; <i>R. procerus</i> , misappl.] Recorded historically (1956) from Bayview Hills, the Embarcadero, Golden Gate Park, Lake Merced, Land's End (Pt. Lobos), Lone Mt., Mt. Davidson, Pacific Hts., San Miguel Hills, se. SF, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: H/1/-/-	s-v	p	Naturalized. Arched to mounded; prickles stout, many, wide-based, straight or curved. Disturbed areas, road-sides; Elevation: < 1600 m. WET: FAC	74	Apr-Aug	no	N/N
ROS	<i>Rubus ursinus</i>	Cal. blackberry	[Incl. <i>R.u.</i> vars. <i>glabratus</i> and <i>sibiricus</i>] Recorded historically (1877) from Bayview Hills, Golden Gate Park, Hunters Pt., Laguna Honda Valley, Lake Merced, Land's End, Laurel Hill Cemetery, Lone Mt., McLaren Park, Mt. Sutro, Pine Lake, the Presidio (above Baker Beach, Lobos Cr. Valley, Mountain Lake), San Miguel Hills, SFSU, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio.	s-v	dp	Prickles, slender, weak. Open, disturbed areas; Elevation: < 1500 m. WET: FAC	71	Mar-Jul	no	Y/Y
PLG	<i>Rumex acetosella</i>	common sheep-sorrel	Recorded historically (1894) from Bayview Hills, Corona Hts., Golden Gate Park, Hawk Hill, Land's End, Lake Merced, Lone Mt., Mission Dist., Mt. Davidson, Nob Hill, Ocean Beach, the Presidio, San Miguel Hills, SFSU, Sunset Dist. dunes, and Twin Peaks (Howell, <i>et al.</i> , CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/2/-/-	h	p	Naturalized. From creeping rhizomes and/or vertical taproots. More or less disturbed, often acidic places; Elevation: < 3000 m. WET: FACU	62	Apr-Jul	no	N/N

ANNOTATED CHECKLIST OF THE VASCULAR PLANTS OF SAN FRANCISCO - PRESIDIO - OFFICER'S ROW

Compiled by Mike Wood, CNPS Yerba Buena Chapter

FAMILY ^b	SCIENTIFIC NAME ^c Bold font = listed rare taxon Highlighted = extirpated SF indigenous taxon Underlined = nomenclature used in Howell (†) = reintroduced SF indigenous taxon	COMMON NAME ^c	NOTES ^d Synonymy/misapplications Historical and Extant Distribution Rarity Status: (Fed / St / CNPS) Invasive Status: (Cal-IPC / SFWMA / CDFW / USDA)	LIFE FORM ^e	DURATION ^f	HABIT / ECOLOGY ^g	# OCCURENCES ^h	FLOWERING SEASON ⁱ	ENDEMIC SF/Bay Area/CA	NATIVE - SF / CA
SCR	<u>Scrophularia californica</u>	Cal. figwort or beeplant	[Incl. S.c. ssp. c.] Recorded historically (1902) from Bayview Hills, Golden Gate Park, Hunters Pt. Ridge, Laguna Honda Valley, Lake Merced, Land's End, Lone Mt., Pine Lake, Russian Hill, the Presidio (Baker Beach, Lobos Cr. Valley), Sunset Dist. dunes, and Twin Peaks (Howell, et al., CCH). Reported from throughout the city and the Presidio. Host plant for the Variable Checkerspot butterflies.	h	p	Damp places, chaparral, road-sides; Elevation: < 2500 m. WET: FAC	76	Mar-Jul	no	Y/Y
AST	<u>Senecio vulgaris</u>	common groundsel	Recorded historically (1877) from Bayview Hills, Golden Gate Park, Hunters Pt., Lake Merced, Lone Mt., Mt. Davidson, Nob Hill, the Presidio (Mountain Lake), Russian Hill, San Miguel Hills, se. SF, the Sunset Dist., and Twin Peaks (Howell, et al., CCH). Reported from throughout the city and the Presidio.	h	a	Naturalized. Disturbed areas; Elevation: < 1300 m. WET: FACU	42	Feb-Jul	no	N/N
SOL	<u>Solanum laciniatum</u>	kangaroo-apple	[<u>S. aviculare</u> , misappl.; not occurring in Cal. (T. Daniel, pers. comm.)] Recorded historically (1902, as <u>S. aviculare</u>) from Cliff House, Golden Gate Park, Land's End, and Sutro Hts (Howell, et al., CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: W/—/—/—	s	p	Naturalized. Open, generally disturbed places; Elevation: < 100 m.	39	Jan-Dec	no	N/N
SOL	<u>Solanum nigrum</u>	European black nightshade	Recorded historically (1901) from Golden Gate Park (CCH); not included in Howell, et al. Reported from Corona Hts., Ft. Funston, Glen Cyn., Golden Gate Park, Lake Merced, Land's End, McLaren Park, O'Shaughnessy Hollow, Pine Lake, Presidio (Crissy Bluffs, Crissy Field, Golf Course Natural Area, Inspiration Pt., Lobos Cr. Valley, Mountain Lake, Oak Study Area, Officer's Row, Presidio Bluffs, Presidio Hills, Res. Cultural Plantation, sw. dunes, Tennessee Hollow, WWII Memorial), the Richmond Dist., the Sunset Dist., Sutro Baths, Sutro Forest, and Yerba Buena Is.	h-ss	a	Naturalized. Disturbed places; Elevation: < 200 m. WET: FACU	26	Mar-Oct	no	N/N
AST	<u>Sonchus oleraceus</u>	common annual sow-thistle	Recorded historically (1877) from Alcatraz Is., Bayview Hills, Brotherhood Way, the Embarcadero, near Islais Cr., Golden Gate Park, Lake Merced, Land's End, Lone Mt., Mt. Davidson, Nob Hill, the Presidio (Lobos Cr. Valley), Russian Hill, San Miguel Hills, Stern Grove, and Sunset Dist. dunes (Howell, et al., CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: —/3/—/—	h	a	Naturalized. Disturbed places; Elevation: < 2500 m. WET: UPL	70	Jan-Dec	no	N/N
ONA	<u>Taraxia ovata</u>	grassland sun-cups	[<u>Camissonia o.</u> ; <u>Oenothera o.</u>] Recorded historically (1866) from Bayview Hills, Bernal Hts., Corona Hts., Golden Gate Park, Lake Merced, Mt. Davidson, the Presidio (above Baker Beach, Golf Course, Presidio Bluffs), Pt. Lobos, San Miguel Hills, and Twin Peaks (Howell, et al., CCH). Reported from Bayview Hill, Bernal Hts. Park, Brotherhood Way, Corona Hts., Crocker Amazon, Glen Cyn., Islais Cr., McLaren Park, the Mission Dist., Mt. Davidson, O'Shaughnessy Hollow, the Presidio (Baker Beach n. Battery Dynamite, Doyle Dr. Natural Area, Ft. Point, Ft. Scott, Inspiration Pt., Main Post, Officer's Row, Presidio Bluffs, Res. Cultural Plantation, Rob Hill, sw. dunes, Tennessee Hollow, WWII Memorial), the Sunset Dist., Twin Peaks, and Yerba Buena Is.	h	p	Grassy fields, generally clay soil; Elevation: < 500 m.	25	Mar-Jun	no	Y/Y
ANA	<u>Toxicodendron diversilobum</u>	poison oak	[<u>Rhus diversiloba</u>] Recorded historically (1852) from Bayview Hills, Corona Hts., Golden Gate Park, Laguna Honda Valley, Lake Merced, Land's End, Lincoln Park, Lone Mt., McLaren Park, Mt. Davidson, the Presidio (Baker Beach, Lobos Cr. Valley, Presidio Hills), Russian Hill, San Miguel Hills, and Twin Peaks (Howell, et al., CCH). Reported from throughout the city and the Presidio.	s-v	dp	Canyons, slopes, chaparral, coastal scrub, oak woodland; Elevation: < 2000 m. WET: FACU	73	Apr-Jun	no	Y/Y
THE	<u>Triteleia laxa</u>	Ithurial's spear	[<u>Brodiaea L.</u>] Previously included in the Liliaceae. Recorded historically (1868) from Bayview Hills, Bernal Hts., Hunters Pt. Ridge, Lone Mt., McLaren Park, Mt. Davidson, Nanny Goat Hill, Ocean Beach, the Presidio (Baker Beach, Lobos Cr. Valley), San Miguel Hills, and Sunset Dist. Dunes (Howell, et al., CCH). Reported from throughout the city and the Presidio.	gp	p	Corn-forming. Open forest, conifer or foothill woodland, grassland on clay soil; Elevation: < 1500 m.	39	Apr-Jun	CA	Y/Y
TRP	<u>Tropaeolum majus</u>	garden nasturtium	Recorded historically (1957) from Golden Gate Park, Hunters Pt., Land's End, Lone Mt., Mt. Sutro, Pine Lake, the Presidio (Lobos Cr. Valley), Russian Hill, Telegraph Hill (Howell, et al., CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: —/3/—/—	h	a	Naturalized. Disturbed areas, moist or shaded areas in coastal scrub, wooded flats or slopes; Elevation: < 450 m. WET: UPL	75	Mar-Jun	no	N/N
URT	<u>Urtica dioica</u> ssp.	stinging nettle	Reported (as full species) from Golden Gate Park (Oak Woodland) and the Presidio (Officer's Row).	h	p	n/a	2	Jun-Sep	no	Y/Y
APO	<u>Vinca major</u>	greater periwinkle	Recorded historically (1956) from Golden Gate Park, Laguna Honda Valley, McLaren Park, Mt. Davidson, and the Presidio (Baker Beach; Howell, et al., CCH). Reported from throughout the city and the Presidio. INVASIVE STATUS: M/3/—/—	h	p	Naturalized. Sprawling. Coastal bluffs, sheltered places, especially along stream beds; Elevation: 2-200 m.	48	Mar-Jun	no	N/N
ARA	<u>Zantedeschia aethiopica</u>	calla lily	Recorded historically (1954) from SF (Howell, et al.); there are no SF records in CCH. Reported from throughout the city and the Presidio. INVASIVE STATUS: L/3/—/—	h	p	Rhizomatous. WET: OBL	50	Mar-Jun	no	N/N

FAMILY ^b	SCIENTIFIC NAME ^c Bold font = listed rare taxon Highlighted = extirpated SF indigenous taxon Underlined = nomenclature used in Howell (r) = reintroduced SF indigenous taxon	COMMON NAME ^c	NOTES ^d Synonymy/misapplications Historical and Extant Distribution Rarity Status: (Fed / St / CNPS) Invasive Status: (Cal-IPC / SFWMA / CDFA / USDA)	LIFE FORM ^e	DURATION ^f	HABIT / ECOLOGY ^g	# OCCURENCES ^h	FLOWERING SEASON ⁱ	ENDEMIC SF/Bay Area/CA	NATIVE - SF / CA
							Total Extant Families:	42		
							Total Extant Genera:	73		
							Total Extant Taxa:	84		
							Total Extant SF Indigenous Taxa:	24	28.6%	
							Total Extant Non-Indigenous Taxa:	60	71.4%	
							Total Extant SF Indig. (Status Uncertain):	0	0.0%	
							Total Extant Invasive* Taxa:	24	28.6%	
							Total F/S/CNPS List 1-3:	0	0.0%	
							Total Extirpated SF Indigenous Taxa:	0		
							Total Reintroduced SF Indigenous Taxa:	0		
*Cal-IPC rated High or Moderate										

ANNOTATED CHECKLIST OF THE VASCULAR PLANTS OF SAN FRANCISCO

FOOTNOTES	
a	This Checklist covers the extirpated and extant native and non-native plants reported from natural and naturalistic areas within the City and County of San Francisco. These areas include lands falling under the jurisdiction of the City and County of San Francisco (e.g., the Recreation and Parks Department, the Real Estate Division, the San Francisco Public Utilities Commission, the Department of Public Works, and the San Francisco Unified School District); the National Park Service (e.g., the Golden Gate National Recreation Area and the Presidio Trust); the California Department of Parks and Recreation; the University of California, San Francisco; the University of San Francisco; and privately owned parcels. References and data sources are listed in APPENDIX 1 .
b	FAMILY: Family codes, family names and all genera mentioned in the Checklist are listed in APPENDIX 3 .
c	SCIENTIFIC NAME: Scientific names and taxonomy conform to the Jepson Flora Project (JFP, 2021). Taxa in BOLD TYPE are listed as endangered, threatened or rare (federal / state / CNPS). Nomenclature used in Howell, <i>et al.</i> (1958) is UNDERLINED . Taxa highlighted in GRAY are indigenous to San Francisco, but which are presumed extirpated (i.e., those which have not been reported here since 1980, other than those that have been reintroduced). Extirpated indigenous taxa that have been reintroduced are indicated with "(r)". COMMON NAME: common names conform to JFP (2021), which includes a range of common names for most species; only a single common name is included in the Checklist. An explanation of abbreviations and acronyms can be found inside the back cover.
d	NOTES: Synonyms and misapplied names are shown between square brackets [] and conform to JFP (2021), Hrusa (2006), and/or USDA (2021). Where differing from JFP, botanical nomenclature conforming to <i>Plants of the World Online</i> (POWO, 2019), the source utilized by iNaturalist.org, is shown as "pending". Historic Distribution: historic San Francisco occurrences are per Consortium of California Herbaria (CCH), <i>A Flora of San Francisco</i> (Howell, <i>et al.</i> , 1958), and the <i>Inventory of Rare and Endangered Plants</i> (CNPS, 2021). Historical occurrences are those which predate 1980; dates shown indicate earliest known collection or report. Extant Distribution: extant San Francisco occurrences are based on field notes and personal communications with knowledgeable persons; CCH, Calflora.org, iNaturalist.org (research grade observations only), and published and unpublished technical reports. Taxa reported from 1980 or later are presumed to be extant. Place names for all historic collections or records are listed for each taxon. Up to 20 place names for all contemporary reports are also listed. See APPENDIX 2 for a complete list of San Francisco place names cited in the Checklist. RARITY STATUS conforms to CNDDDB (2020, 2021a, 2021b), CNPS (2021), and USFWS (2021). INVASIVE STATUS conforms to Cal-IPC (2021), SFWMA (2010), CDFA (2009), and USDA (2021). See the list of abbreviations and acronyms inside the back cover for an explanation of rarity and invasive status codes . Butterfly host plants conform to O'Brien (2009, pers. comm.) and Caldwell (2020). For an explanation of the CNPS ranking system, click here → https://www.cnps.org/rare-plants/cnps-rare-plant-ranks
e	LIFE FORM: conforms to JFP (2021): f = fern or other pteridophyte; h = herb; g = grass or graminoid; gp = geophyte; ss = subshrub; s = shrub; t = tree; v = vine
f	DURATION: conforms to JFP (2021): a = annual; b = biennial; p = perennial; e = evergreen; d = deciduous
g	HABIT AND ECOLOGY: growth habit, habitats, and elevational ranges conform to JFP (2021). Wetland Indicator Status (WET) conforms to USACE (2018). Serpentine Affinity Ratings (SERP) conform to Safford and Miller (2020).
h	# OCCURRENCES: Indicates the number of San Francisco places where each taxon is presumed extant.
i	FLOWERING PERIOD: conforms to JFP (2021): sp = spring; sum = summer; fall = fall; win = winter; e = early; l = late
j	ENDEMIC, NATIVE: Endemic and local indigenous status are based on review of Howell, <i>et al.</i> (1958), CCH and JFP (2021).