

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), CDFG (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).