

2016

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Edith A. Read

E Read and Associates Inc, marshmistress@msn.com

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Recommended Citation

Read, Edith A. (2015) "A Flora of the Ballona Wetlands and Environs," *Bulletin of the Southern California Academy of Sciences*: Vol. 114: Iss. 3.

Available at: <http://scholar.oxy.edu/scas/vol114/iss3/5>

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A Flora of the Ballona Wetlands and Environs

E.A. Read

E Read and Associates, Inc. Orange, CA 92866, marshmistress@msn.com

A list of vascular plant taxa is provided for a study area that encompasses the current Ballona Wetlands Ecological Reserve, Ballona Freshwater Wetlands, and areas that were part of the historic Ballona Wetlands and adjacent bluffs. The flora for this area has been documented in unpublished reports and voucher collections but not compiled into a single list. A total of 407 taxa comprise this flora, of which 40% are not indigenous to California. This percentage is higher than the percentage of non-indigenous species in California as a whole (17%). Out of 242 native species reported for the study area, 26 percent (62 species) have not been observed or collected since major hydrological alterations of the watershed began in the 1930s. Restoration planned for the Ballona Wetlands Ecological Reserve offers an opportunity to re-introduce some of the historically native flora, including rare and endangered species.

The study area is located about two miles north of Los Angeles International Airport (Fig. 1). Limits of the study area were defined based on maps of the historical extent of the wetlands and adjacent uplands. Land use planning in this region has been controversial for at least 40 years, with various proposals ranging from development to restoration. With the exception of occasional botanical collections, systematic floristic surveys were not documented until Clark (1979), when a single season of field work was conducted in March and April of 1978. Subsequent floristic surveys in 1980-1981 by Gustafson (1981) and in 1990 by Henrickson (1991) covered more than one season. While these surveys were supported in part by voucher collections deposited with the Natural History Museum of Los Angeles County, results of these and subsequent surveys (Read 1995; MEC Analytical Systems 2005; Johnston 2011) were not published. This paper combines plant lists and historical collection records for the Ballona region into a single list and updates nomenclature. Historical conditions, occurrence of rare species, and occurrence of non-native invasive taxa are also discussed.

Latin nomenclature was updated based on current taxonomy (Baldwin et al. 2012). In cases of species subject to extensive taxonomic revisions, older taxonomies were used to verify identification of historical collections (Abrams 1902, 1917; Munz 1974). Historical maps were examined to locate landmarks cited in voucher collections but not present on current maps. These historical maps consisted of a United States Coast and Geodetic Survey in 1876 (Grossinger et al. 2011) and a vegetation mapping survey of the Redondo 15-minute quadrangle by Jensen (1933). These maps were overlaid on current topography using Geographic Information System software to verify locations of historical landmarks relative to the study area. Reports of archaeological surveys (Altschul et al. 1992, 2003) were reviewed for historical land alterations potentially affecting the flora.

All plant taxa reported from the study area are listed in Table 1. This table is necessarily abbreviated for presentation here. The entire database, including details such as accession numbers and references for each observation or collection, can be provided upon request. Only taxa indigenous or naturalized in the study area were included in this table in order to make the list more meaningful for analysis, restoration and management. In other words, non-invasive, non-native ornamental taxa known to be confined to existing or abandoned landscapes were omitted. A total of 407 taxa are shown in Table 1, of which about 40 percent (165 taxa) are not native to California. Changes in taxonomy over time, especially below the species level, have a minor effect on these statistics.

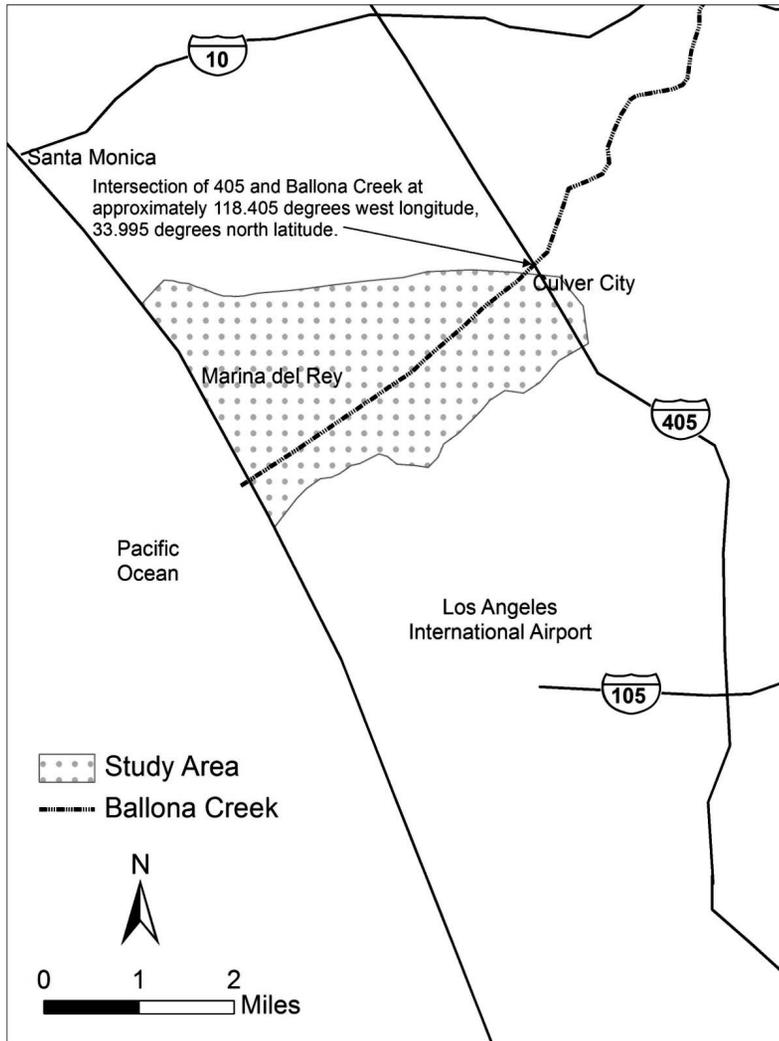


Fig. 1. Study Area Location.

Out of the 242 native taxa listed, about 26 percent (62 species) have not been observed or collected since the 1930s when there were major hydrological alterations of the area for flood control and farming. One of these historical species, Ballona cinquefoil (*Potentilla multijuga*), is believed to have been endemic to Ballona but extirpated sometime after its last collection in 1890 by H.E. Hasse from a “brackish area in coastal sage scrub”.

Human impacts in the study area over the past two centuries have been documented extensively by others (Dark et al. 2011; Grossinger et al. 2011), so it is important to recognize that historical botanical collections from the study area do not represent pristine (pre-human disturbance) conditions or a complete flora of the region. A survey map of the wetlands was not published until 1876, which is 57 years after cattle herds were pastured in the Ballona Creek drainage beginning around 1819 (Altschul et al., 1992 p. 56). After 1819, the earliest known botanical collections from Ballona were by S.B. Parish 63 years later, in 1882.

Thus, given at least two centuries of land alteration in the region, it is not surprising that a substantial portion of the flora is not native. The proportion of non-native flora is high when compared to the proportion of 17% non-native taxa in California as a whole¹, and especially high considering the small size of the study area (1,824 ha) relative to the geographic extent of California (42,476 ha).

Most of the non-native flora has established in the absence of systematic efforts at restoring conditions suitable for sustaining native species in a heavily urbanized watershed, but not all of the invaders have been equally successful. One of the first records of non-native species is of fennel (*Foeniculum vulgare*), collected by Abrams in 1902, yet this species has not invaded the wetlands as extensively as a relative newcomer, pampas grass (*Cortaderia selloana*). There are no historic collections of *Cortaderia* from the study area and its occurrence at Ballona was unremarked until it was reported by Clark (1979).

Coastal estuarine and saltmarsh taxa are noticeably rare in the historical collections. Most of the historic flora is composed of species associated with upland, freshwater or brackish habitats. While there could be various reasons for this, the high proportion of non-estuarine taxa in historical collections is consistent with documentation by Dark et al. (2011) of springs and seasonal ponds that were prevalent historically but no longer exist. One example of this freshwater flora is giant horsetail (*Equisetum telmateia*), collected by Abrams in 1901 from Ballona Creek while it was still a meandering, natural stream. Another example is Oregon ash (*Fraxinus latifolia*) collected by Ewan in 1932 along Ballona Creek in the area of what is now Culver City. This is the only native tree represented in the historic flora.

Examination of the plant list also reveals interesting inconsistencies in the taxonomic records. For example, *Senecio californicus* was collected by Abrams in 1901, but later collectors (Gustafson 1981; Henrickson 1991) identified only *Senecio vulgaris*, a non-native species. This may be a simple misidentification, but alternatively could be an example of niche displacement of a native *Senecio* by an exotic species.

Lastly, determination of which species are truly “native” to the study area is complicated by changes in taxonomy (e.g., “lumping” vs. “splitting” varieties and subspecies), misidentifications, and intentional introduction of taxa for “restoration” without documentation of variety or seed origin. A species of pincushion (*Chaenactis glabriuscula*), an annual herb associated with sandy soils, has been reported several times since it was first collected in 1901. This taxon persists into the current period, but tracing its history of occurrence is complicated by taxonomic re-classifications of some historical collections, and “restoration” efforts that distributed *C. glabriuscula* seeds of unspecified variety and unknown origin. Currently, a variety considered rare by the California Native Plant Society and identified as *C. g. var. orcuttiana* persists in dunes that are subject to ongoing restoration efforts, but it is not clear whether this variety is indigenous, intentionally planted, or some combination of both. Some voucher specimens from the study area are classified as the more common variety, *C. g. var. glabriuscula*, and deserve further study.

Historical maps show “marsh” but are silent on the issue of what proportion of the wetlands consisted of freshwater vs. saltwater or brackish marsh. However, botanical records show that the study area was occupied by a highly diverse ecosystem. The area encompassed not just wetlands, but a wide variety of other habitat types including dunes, freshwater marshes, seasonal ponds, and riparian communities. Taxonomic inconsistencies in the botanical record introduce some margin of error in calculating species richness, but this is largely of academic interest. Habitat restoration in the study area offers a unique opportunity to reverse a decades-old trend

¹ Calculated from Baldwin et al. (2012), p. 1521.

of exotic invasion at the expense of native diversity, while recognizing that significant alterations of the watershed render it impossible to fully restore the historic flora. This study provides a starting point for enhancing function and diversity of the Ballona Wetlands.

Table 1. Checklist of the Flora of the Ballona Wetlands and Environs.

FERNS		Reference	Earliest Collection
Equisetaceae	Horsetail Family		
<i>Equisetum telmateia</i> Ehrh. ssp. <i>braunii</i> (J.Milde) Hauke	giant horsetail	DS, POM	1901
MAGNOLIDS			
Lauraceae	Laurel Family		
<i>Umbellularia californica</i> (Hook. & Arn.) Nutt.	California bay	FWM	R
Saururaceae	Lizard's-Tail Family		
<i>Anemopsis californica</i> (Nutt.) Hook. & Arn.	yerba mansa	POM, RSA,UC	1902
EUDICOTS			
Adoxaceae	Muskroot Family		
<i>Sambucus nigra</i> L. ssp. <i>caerulea</i> (Raf.) Bolli	blue elderberry	Henrickson 1991, FWM	R
Aizoaceae	Iceplant Family		
<i>Aptenia cordifolia</i> (L.f.) Schwantes*	baby sun rose	RSA	1981
<i>Carpobrotus edulis</i> (L.) N.E. Br.*	freeway iceplant	RSA	1980
<i>Delosperma litorale</i> (Kensit) L. Bolus*	ice plant	RSA	1981
	coppery mesembryanthemum	RSA	1981
<i>Malephora crocea</i> (Jacq.) Schwantes*	common iceplant	Henrickson 1991	R
<i>Mesembryanthemum crystallinum</i> L.*	slender-leaved iceplant	RSA	1980
<i>Mesembryanthemum nodiflorum</i> L.*	western sea-purslane	UC	1902
<i>Sesuvium verrucosum</i> Raf.	New Zealand spinach	RSA	1981
<i>Trigononia tetragonoides</i> (Pall.) Kuntze*	Amaranth Family		
Amaranthaceae	Amaranth Family		
<i>Amaranthus albus</i> L.*	tumbleweed	RSA	1930
<i>Amaranthus blitoides</i> S. Watson	procumbent pigweed	RSA	1980
<i>Amaranthus californicus</i> (Moq.) S. Watson	Californian amaranth	Gustafson 1981	R
<i>Amaranthus deflexus</i> L.*	large fruited amaranth	RSA	1981
<i>Amaranthus tuberculatus</i> (Moq.) J.D. Sauer var. <i>rudis</i> (J.D. Sauer) Costea & Tardif*	common waterhemp	Henrickson 1991	R
Anacardeaceae	Sumac Family		
<i>Malosma laurina</i> (Nutt.) Abrams	laurel sumac	POM	1980
<i>Rhus integrifolia</i> (Nutt.) Rothr.	lemonade berry	Gustafson 1981	R
<i>Rhus ovata</i> S. Watson	sugar bush	RSA	1981
<i>Schinus molle</i> L.*	pepper tree	RSA	1980
<i>Schinus terebinthifolius</i> Raddi*	Brazilian pepper tree	Henrickson 1991	R
Apiaceae	Carrot Family		
<i>Apium graveolens</i> L.*	celery	RSA	1902
<i>Conium maculatum</i> L.*	poison hemlock	RSA	1981
<i>Cyclospermum leptophyllum</i> (Pers.) Britton & P. Wilson*	marsh parsley	RSA	1981
<i>Foeniculum vulgare</i> Mill.*	fennel	POM,RSA,UC	1902
<i>Oenanthe sarmentosa</i> DC.	water parsley	POM, UC	1902

Asterisk (*) indicates taxon not native to California. Grey background indicates a native taxon known only from historical (pre-1940) collections or reports. References: For herbarium specimens, the following acronyms from the Consortium of California Herbaria are used: CAS (California Academy of Sciences); CDA (California Department of Food and Agriculture); DS (Dudley Herbarium in CAS); JEPS (Jepson Herbarium, UC Berkeley); NY (New York Botanical Garden); POM (Pomona Herbarium in the Rancho Santa Ana Botanic Garden); RSA (Rancho Santa Ana Botanic Garden); SFV (California State University Northridge); UC (University Herbarium, UC Berkeley); UCD (UC Davis); UCR (UC Riverside). Where an author and year are cited, the taxon was reported but no voucher specimens could be located. "FWM" refers to a taxon that was observed by this author as having been planted at the constructed Ballona Freshwater Marsh but no records or reports of historical occurrence at Ballona were found. Earliest Collection: year of oldest voucher specimen is given. "R" means reported with no record of collection.

Table 1. Continued.

Apocynaceae	Dogbane Family		
<i>Asclepias fascicularis</i> Decne.	narrow-leaf milkweed	RSA	1930
Asteraceae	Sunflower Family		
<i>Acroptilon repens</i> (L.) DC.*	Russian knapweed	POM	1980
<i>Amblyopappus pusillus</i> Hook. & Arn.	dwarf coastweed	DS	1901
<i>Ambrosia acanthicarpa</i> Hook.	annual bursage	RSA	1980
<i>Ambrosia chamissonis</i> (Less.) Greene	beach bur-sage	DS,POM,RSA	1899
<i>Ambrosia psilostachya</i> DC.	western ragweed	DS,POM,UC,RSA	1902
<i>Anthemis cotula</i> L.*	mayweed	DS	1901
<i>Artemisia californica</i> Less.	California sagebrush	DS,RSA,UC	1902
<i>Artemisia douglasiana</i> Besser	mugwort	DS,POM,RSA	1901
<i>Artemisia dracunculul</i> L.	tarragon	DS,RSA,UC	1902
<i>Baccharis glutinosa</i> Pers.	marsh baccharis	DS,POM	1903
<i>Baccharis pilularis</i> DC.	coyote brush	POM	1980
<i>Baccharis salicifolia</i> (Ruiz & Pav.) Pers.	mulefat	POM,UC	1907
<i>Bidens laevis</i> (L.) Britton et al.	bur-marigold	DS,UC	1902
<i>Brickellia californica</i> (Torr. & A. Gray) A. Gray	California brickellbush	Henrickson 1991	R
<i>Centaurea melitensis</i> L.*	totalote	POM	1980
<i>Centromadia parryi</i> (Greene) Greene ssp. <i>australis</i> (D.D. Keck) B.G. Baldwin	southern tarplant	JEPS,POM,RSA,U C	1890
<i>Chaenactis glabriuscula</i> DC. var. <i>orcuttiana</i> (Greene) H.M. Hall	Orcutt's pincushion	POM,RSA	1980
<i>Chondrilla juncea</i> L.*	skeleton weed	POM	1981
<i>Cichorium intybus</i> L.*	chicory	POM	1980
<i>Cirsium vulgare</i> (Savi) Ten.*	bull thistle	Gustafson 1981, Henrickson 1991	R
<i>Corethrogyne filaginifolia</i> (Hook. & Arn.) Nutt.	California-aster	DS,POM	1899
<i>Cotula australis</i> (Spreng.) Hook. f.*	Australian cotula	Gustafson 1981, Henrickson 1991	R
<i>Cotula coronopifolia</i> L.*	brass-buttons	Gustafson 1981, Henrickson 1991	R
<i>Deinandra fasciculata</i> (DC.) Greene	clustered tarplant	POM	1980
<i>Deinandra paniculata</i> (A. Gray) Davidson & Moxley	paniculate tarplant	Henrickson 1991	R
<i>Dimorphotheca fruticosa</i> (L.) DC.*	trailing African daisy	Gustafson 1981, Henrickson 1991	R
<i>Encelia californica</i> Nutt.	California brittlebush	DS	1899
<i>Ericameria ericoides</i> (Less.) Jeps.	California goldenbush	POM	1981
<i>Ericameria pinifolia</i> (A. Gray) H.M. Hall	pine-bush	Henrickson 1991	R
<i>Erigeron bonariensis</i> L.*	flax-leaved horseweed	Gustafson 1981, Henrickson 1991	R
<i>Erigeron canadensis</i> L.	horseweed	POM	1980
<i>Euryops pectinatus</i> (L.) Cass.*	gray-leaf euryops	Henrickson 1991	R
<i>Euthamia occidentalis</i> Nutt.	western goldenrod	RSA,UC	1902
<i>Gazania linearis</i> (Thunb.) Druce*	treasure flower, African daisy	Henrickson 1991	R
<i>Glebionis coronaria</i> (L.) Spach*	garland or crown daisy	UCR	1996
<i>Grindelia camporum</i> Greene	common gumplant	POM	1980
<i>Hedypnois cretica</i> (L.) Dum.-Cours.*	Crete weed	POM	1981
<i>Helianthus annuus</i> L.	common sunflower	POM	1980
<i>Helminthotheca echioides</i> (L.) Holub*	bristly ox-tongue	RSA	1980
<i>Heterotheca grandiflora</i> Nutt.	telegraph weed	POM	1980

Table 1. Continued.

<i>Hypochaeris glabra</i> L.*	smooth cat's ear	Henrickson 1991	R
<i>Isocoma menziesii</i> (Hook. & Arn.)	coastal goldenbush	FWM	R
<i>Iva axillaris</i> Pursh	poverty weed	FWM	R
<i>Jaumea carnosa</i> (Less.) A. Gray	fleshy jaumea, marsh jaumea	POM,UC	1899
<i>Lactuca serriola</i> L.*	prickly lettuce	POM	1902
<i>Lactuca virosa</i> L.*	bitter lettuce	Henrickson 1991	R
<i>Laemecia coulteri</i> (A. Gray) G.L. Nesom	Coulter's horsetweed	POM	1980
<i>Lasthenia californica</i> Lindl.	California goldfields	POM,RSA	1901
<i>Lasthenia coronaria</i> (Nutt.) Ornduff	crowned or royal goldfields	JEPS,POM	1901
<i>Lasthenia glabrata</i> Lindl. ssp. <i>coulteri</i> (A. Gray) Ornduff	Coulter's goldfields	POM	1903
<i>Logfia filaginoides</i> (Hook. & Arn.) Morefield	California cottonrose	POM	1901
<i>Malacothrix saxatilis</i> (Nutt.) Torrey & A. Gray	cliff aster	Gustafson 1981, Henrickson 1991	R
<i>Matricaria discoidea</i> DC.*	pineapple weed	POM	1981
<i>Pluchea odorata</i> (L.) Cass. var. <i>odorata</i>	saltmarsh fleabane	UC	1902
<i>Pseudognaphalium bioletti</i> Anderb.	two-color rabbit-tobacco	POM	1901
<i>Pseudognaphalium californicum</i> (DC.) Anderb.	ladies' tobacco	POM,UCR	1981
<i>Pseudognaphalium canescens</i> (DC.) Anderb.	cudweed	POM	1981
<i>Pseudognaphalium microcephalum</i> (Nutt.) Anderb.	Wright's cudweed	POM,UC	1902
<i>Pseudognaphalium ramosissimum</i> (Nutt.) Anderb.	pink cudweed	POM	1981
<i>Pseudognaphalium stramineum</i> (Kunth) Anderb.	cottonbatting plant	POM	1981
<i>Senecio californicus</i> DC.	California ragwort	POM	1901
<i>Senecio vulgaris</i> L.*	common groundsel	RSA	1930
<i>Silybum marianum</i> (L.) Gaertn.*	milk thistle	RSA	1981
<i>Solidago velutina</i> DC. ssp. <i>californica</i> (Nutt.) Semple	California goldenrod	Henrickson 1991	R
<i>Sonchus asper</i> (L.) Hill*	prickly sow thistle	RSA	1981
<i>Sonchus oleraceus</i> L.*	common sow thistle	RSA	1981
<i>Stephanomeria diegensis</i> Gottlieb	wreathplant	RSA	1980
<i>Stephanomeria exigua</i> Nutt.	small wirelettuce	Gustafson 1981	R
<i>Stephanomeria virgata</i> Benth.	twiggy wreath plant	RSA	1981
<i>Symphotrichum subulatum</i> (Michx.) G.L. Nesom	annual saltmarsh aster	POM,UC	1901
<i>Taraxacum officinale</i> F.H. Wigg.*	common dandelion	Henrickson 1991	R
<i>Tragopogon porrifolius</i> L.*	purple salsify	UC	1897
<i>Xanthium spinosum</i> L.	spiny cocklebur	RSA	1981
<i>Xanthium strumarium</i> L.	cocklebur	UC	1902
Betulaceae	Birch Family		
<i>Alnus rhombifolia</i> Nutt.	white alder	FWM	R
Boraginaceae	Borage Family		
<i>Amsinkia intermedia</i> Fisch. & C.A. Mey	common fiddleneck	POM	1901
<i>Amsinkia spectabilis</i> Fisch. & C.A. Mey	seaside amsinkia	RSA	1951
<i>Cryptantha clevelandii</i> Greene	cryptantha	UCR	2011
<i>Cryptantha clevelandii</i> Greene var. <i>florosa</i> I.M. Johnst.	coastal cryptantha	POM	1901
<i>Cryptantha intermedia</i> (A. Gray) Greene	common cryptantha	POM	1901
<i>Cryptantha microstachys</i> (A.Gray) Greene	Tejon cryptantha	POM	1901
<i>Heliotropium curassavicum</i> L. var. <i>oculatum</i> (A. Heller) Tidestr.	seaside heliotrope	POM	1930
<i>Phacelia parryi</i> Torr.	Parry's phacelia	Henrickson 1991	R
<i>Phacelia ramosissima</i> Lehm.	branching phacelia	POM,RSA	1901

Table 1. Continued.

Brassicaceae	Mustard Family		
<i>Brassica nigra</i> (L.) W.D.J. Koch*	black mustard	Gustafson 1981, Henrickson 1991	R
<i>Brassica rapa</i> L.*	field mustard	RSA	1930
<i>Cakile maritima</i> Scop.*	sea-rocket	Gustafson 1981, Henrickson 1991	R
<i>Caulanthus lasiophyllus</i> (Hook. & Arn.) Payson	California mustard	DS	1899
<i>Descurainia pinnata</i> (Walter) Britton ssp. <i>brachycarpa</i> (Richardson) Detling	tansy mustard	DS	1901
<i>Descurainia pinnata</i> (Walter) Britton ssp. <i>menziesii</i> (D.C.) Detling	Menzies' tansy mustard	POM	1901
<i>Erysimum suffrutescens</i> (Abrams) Rossbach	suffrutescent wallflower	DS,POM,RSA	1901
<i>Hirschfeldia incana</i> (L.) Lagr.-Fossat*	summer mustard	Gustafson 1981, Henrickson 1991	R
<i>Lepidium didymum</i> L.*	lesser swine cress	Gustafson 1981, Henrickson 1991	R
<i>Lepidium lasiocarpum</i> Nutt.	shaggyfruit pepperweed	DS,POM	1901
<i>Lepidium latipes</i> Hook.	dwarf peppergrass	DS	1904
<i>Lepidium latifolium</i> L.*	perennial pepperweed	Henrickson 1991	R
<i>Lepidium nitidum</i> Nutt.	peppergrass	RSA	1954
<i>Lepidium pinnatifidum</i> Ledeb.*	featherleaf pepperweed	RSA	1981
<i>Lepidium virginicum</i> L. ssp. <i>menziesii</i> (DC.) Thell.	wild peppergrass	RSA	1930
<i>Lobularia maritima</i> (L.) Desv.*	sweet alyssum	Gustafson 1981, Henrickson 1991	R
<i>Raphanus sativus</i> L.*	radish	UCR	1996
<i>Sinapis alba</i> L.*	white mustard	Gustafson 1981, Henrickson 1991	R
<i>Sisymbrium altissimum</i> L.*	tumble mustard	Henrickson 1991	R
<i>Sisymbrium irio</i> L.*	London rocket	Gustafson 1981, Henrickson 1991	R
<i>Tropidocarpum gracile</i> Hook.	slender keel fruit	UC	1897
Cactaceae	Cactus Family		
<i>Opuntia littoralis</i> (Engelm.) Cockerell	coast prickly-pear	Henrickson 1991	R
Caryophyllaceae	Pink Family		
<i>Polycarpon depressum</i> Nutt.	California allseed	POM	1901
<i>Polycarpon tetraphyllum</i> (L.) L. var. <i>tetraphyllum</i> *	four-leaved all seed	RSA,UCR	1981
<i>Silene gallica</i> L.*	small-flower catchfly	RSA,UCR	1980
<i>Spergula arvensis</i> L.*	stickwort, startwort	RSA	1981
<i>Spergularia bocconi</i> (Scheele) Graebn.*	Boccone's sand-spurrey	Henrickson 1991	R
<i>Spergularia macrotheca</i> (Cham. & Schltdl.) Heynh.	sticky sand-spurrey	POM,RSA	1901
<i>Spergularia marina</i> (L.) Besser	saltmarsh sand-spurrey	CDA,POM	1901
<i>Spergularia villosa</i> (Pers.) Cambess.*	hairy sand-spurrey	Henrickson 1991	R
Chenopodiaceae	Goosefoot Family		
<i>Arthrocnemum subterminale</i> (Parish) Standl	pickleweed	POM,RSA,UC	1902
<i>Atriplex argentea</i> Nutt. var. <i>expansa</i> (S. Watson) S.L. Welsh & Reveal	silverscale	UC	1902
<i>Atriplex californica</i> Moq.	California orach	RSA	1981
<i>Atriplex lentiformis</i> (Torr.) S. Watson	big saltbush	RSA	1981
<i>Atriplex lentiformis</i> (Torr.) S. Watson subsp. <i>lentiformis</i>	big saltbush	UC	1902
<i>Atriplex leucophylla</i> (Moq.) D. Dietr	beach saltbush	RSA,UC	1899
<i>Atriplex nummularia</i> Lindl.*	bluegreen saltbush	Henrickson 1991	R

Table 1. Continued.

<i>Atriplex patula</i> L.	spear orach	RSA	1980
<i>Atriplex prostrata</i> DC.*	fat-hen	RSA	1980
<i>Atriplex rosea</i> L.*	tumbling orach	RSA,UC	1902
<i>Atriplex semibaccata</i> R. Br.*	Australian saltbush	RSA,UC	1902
<i>Atriplex suberecta</i> I. Verd.*	sprawling saltbush	RSA	1981
<i>Bassia hyssopifolia</i> (Pall.) Kuntze*	five horn bassia	RSA	1980
		CDA,POM,RSA,U	
<i>Beta vulgaris</i> L.*	common beet	C	1902
<i>Chenopodium album</i> L.*	lamb's quarters	RSA	1981
<i>Chenopodium berlandieri</i> Moq.	pitseed goosefoot	RSA	1980
<i>Chenopodium murale</i> L.*	nettle leaf goosefoot	CDA,RSA	1930
<i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants*	Mexican tea	RSA,UC	1902
<i>Dysphania pumilio</i> (R.Br.) Mosyakin & Clemants*	Tasmanian goosefoot	Henrickson 1991	R
<i>Salicornia pacifica</i> Standl	pickleweed	RSA,UC	1902
<i>Salsola tragus</i> L.*	Russian thistle	RSA	1980
		Gustafson 1981,	
<i>Suaeda calceoliformis</i> (Hook.) Moq	horned seablite	Henrickson 1991	R
<i>Suaeda californica</i> S. Watson	California seablite	Gustafson 1981	R
<i>Suaeda taxifolia</i> (Standl.) Standl.	woolly sea-blite	POM,RSA	1901
Cleomaceae	Spiderflower Family		
<i>Peritoma arborea</i> (Nutt.) H.H. Iltis	bladderpod	DS,POM	1899
Convolvulaceae	Morning-Glory Family		
<i>Calystegia macrostegia</i> (Greene) Brummit ssp. <i>cyclostegia</i> (House) Brummit	coast morning glory	RSA	1981
<i>Calystegia soldanella</i> (L.) R.Br.	beach morning glory	SFV	1994
<i>Convolvulus arvensis</i> L.*	orchard morning glory	RSA	1930
<i>Cressa truxillensis</i> Kunth	alkali weed	POM,RSA,UCR	1901
<i>Cuscuta californica</i> Hook. & Arn.	chaparral dodder	RSA	1981
<i>Cuscuta indecora</i> Choisy var. <i>indecora</i>	large-seeded dodder	Henrickson 1991	R
<i>Cuscuta campestris</i> Yunck	field dodder	RSA	1981
<i>Cuscuta salina</i> Engelm	salt dodder	RSA,UC	1902
<i>Dichondra occidentalis</i> House	western dichondra	Henrickson 1991	R
Crassulaceae	Stoncrop Family		
<i>Crassula connata</i> (Ruiz & Pav.) A. Berger	pygmy-weed	POM,RSA	1901
<i>Dudleya lanceolata</i> (Nutt.) Britton & Rose	lance leaf liveforever	POM	1901
Cucurbitaceae	Gourd Family		
<i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai var. <i>citroides</i> (L.H. Bailey) Mansf.*	wild watermelon	RSA	1981
	calabazilla, buffalo		
<i>Cucurbita foetidissima</i> Kunth.	gourd	RSA	1980
Euphorbiaceae	Spurge Family		
<i>Chamaesyce albomarginata</i> (Torr. & A. Gray) Small	rattlesnake weed	RSA	1981
<i>Chamaesyce maculata</i> (L.) Small*	spotted spurge	RSA	1981
<i>Chamaesyce polycarpa</i> (Benth.) Millsp.	small seeded spurge	RSA	1981
<i>Chamaesyce serpens</i> (Kunth) Small*	creeping spurge	RSA	1980
<i>Croton californicus</i> Mull. Arg.	California croton	POM,RSA	1899
<i>Croton setigerus</i> Hook.	turkey-mullein	RSA	1930
<i>Euphorbia peplus</i> L.*	petty spurge	RSA	1981
<i>Euphorbia terracina</i> L.*	carnation weed	RSA,UCR	1996
<i>Euphorbia virgata</i> Waldst. & Kit.*	leafy spurge	Henrickson 1991	R
<i>Ricinus communis</i> L.*	castor bean	RSA,UCR	1981

Table 1. Continued.

Fabaceae	Legume Family		
<i>Acacia baileyana</i> F. Muell.*	Cootamundra wattle	RSA	1981
<i>Acacia cyclops</i> G. Don*	western coastal wattle	RSA,UCR	1996
<i>Acacia dealbata</i> Link*	silver wattle	Gustafson 1981, Henrickson 1991	R
<i>Acacia longifolia</i> (Andrews) Willd.*	Sydney golden wattle	Henrickson 1991	R
<i>Acacia nerifolia</i> A. Cunn. ex Benth*	black wattle	Henrickson 1991	R
<i>Acmispon americanus</i> (Nutt.) Rydb. var. <i>americanus</i>	American bird's foot trefoil	RSA	1980
<i>Acmispon glaber</i> (Vogel) Brouillet	deerweed, California broom	RSA	1980
<i>Acmispon heermannii</i> (Durand & Hilg.) Brouillet	Heermann's lotus	UC	1902
<i>Acmispon strigosus</i> (Nutt.) Brouillet	strigos lotus	RSA	1981
<i>Albizia distachya</i> J.F. Macbr.*	Australian albizia	Gustafson 1981, Henrickson 1991	R
<i>Albizia lophantha</i> (Willd.) Benth.*	plume acacia	CDA,RSA	1981
<i>Astragalus pycnostachyus</i> A. Gray var. <i>lanosissimus</i> (Rydb.) Munz & McBurney	Ventura marsh milk vetch	NY,POM,RSA,UC	1882
<i>Astragalus tener</i> A. Gray var. <i>titi</i> (Eastw.) Barneby	coastal dunes milk vetch	DS	1891
<i>Astragalus trichopodus</i> (Nutt.) A. Gray	Santa Barbara milkvetch	Henrickson 1991	R
<i>Astragalus trichopodus</i> (Nutt.) A. Gray var. <i>lonchus</i> (M.E. Jones) Barneby	Santa Barbara milkvetch	DS	1901
<i>Hoffmanseggia glauca</i> (Ortega) Eifert	pig-nut, hog potato	Henrickson 1991	R
<i>Lupinus bicolor</i> Lindl.	miniature lupine	POM	1981
<i>Lupinus chamissonis</i> Eschsch.	beach blue lupine, dune lupine	POM,RSA	1917
<i>Lupinus excubitus</i> M.E. Jones var. <i>hallii</i>	grape soda lupine	RSA,UCR	1980
<i>Lupinus longifolius</i> (S. Watson) Abrams	longleaf bush lupine	POM	1901
<i>Lupinus succulentus</i> K. Koch	arroyo lupine	RSA	1981
<i>Lupinus truncatus</i> Nutt.	blunt leaved lupine	POM,RSA	1899
<i>Medicago polymorpha</i> L.*	California burclover	POM	1981
<i>Melilotus albus</i> Medik.*	white sweetclover	POM	1980
<i>Melilotus indicus</i> (L.) All.*	sourclover	POM,UCD,UCR	1978
<i>Phaseolus limensis</i> Macfad.*	lima bean	POM	1981
<i>Spartium junceum</i> L.*	Spanish broom	Henrickson 1991	R
Frankeniaceae	Frankenia Family		
<i>Frankenia salina</i> (Molina) I.M. Johnst.	alkali heath	POM,RSA	1917
Geraniaceae	Geranium Family		
<i>Erodium botrys</i> (Cav.) Bertol.*	broad leaf filaree	RSA,UCR	1981
<i>Erodium cicutarium</i> (L.) Aiton*	redstem filaree	Gustafson 1981, Henrickson 1991	R
<i>Erodium moschatum</i> (L.) Aiton*	greenstem filaree	UCR	1996
Grossulariaceae	Gooseberry Family		
<i>Ribes malvaceum</i> Sm.	chaparral currant	RSA	1981
Hamamelidaceae	Witch-Hazel Family		
<i>Liquidambar styraciflua</i> L.*	sweet-gum	Henrickson 1991	R
Juglandaceae	Walnut Family		
<i>Juglans californica</i> S. Watson	southern California black walnut	FWM	R
<i>Juglans regia</i> L.*	English walnut	Henrickson 1991	R

Table 1. Continued.

Lamiaceae	Mint Family		
<i>Lycopus americanus</i> W.P.C. Barton	bugleweed	UC	1902
<i>Marrubium vulgare</i> L.*	horehound	RSA	1981
<i>Mentha x piperita</i> L.*	peppermint	UC	1902
<i>Mentha x smithiana</i> R.A. Graham*	redstem mint	POM	1902
<i>Salvia apiana</i> Jeps.	white sage	FWM	R
<i>Salvia carduacea</i> Benth.	thistle sage	POM,UCR	1901
<i>Salvia columbariae</i> Benth.	chia	POM,UCR	1901
<i>Salvia leucophylla</i> Greene	purple sage	FWM	R
<i>Stachys ajugoides</i> Benth.	hedge-nettle	POM,UC	1917
<i>Stachys albens</i> A. Gray	white hedge-nettle	POM,RSA,UC	1902
<i>Stachys bergii</i> G.A. Mulligan & D.B.Munro	Berg's hedge-nettle	UC	1932
Lythraceae	Loosestrife Family		
<i>Lythrum californicum</i> Torr. & A. Gray	California loosestrife	POM,RSA,UC	1902
<i>Lythrum hyssopifolia</i> L.*	hyssop loosestrife	RSA,UCR	1980
Malvaceae	Mallow Family		
<i>Malacothamnus fasciculatus</i> (Torr. & A. Gray) Greene	chaparral mallow	RSA	1981
<i>Malva nicaeensis</i> All.*	bull mallow	POM	1902
<i>Malva parviflora</i> L.*	cheeseweed	RSA,UC	1932
<i>Malva pseudolavatera</i> Webb & Berthel.*	Cretan mallow	RSA,UCR	1981
<i>Malvella leprosa</i> (Ortega) Krapov.	alkali-mallow	POM,RSA,UCR	1917
Montiaceae	Miner's Lettuce Family		
<i>Calandrinia ciliata</i> (Ruiz & Pav.) DC.	red maids	UC	1897
Myrsinaceae	Myrsine Family		
<i>Anagallis arvensis</i> L.*	scarlet pimpernel	RSA	1980
Myrtaceae	Myrtle Family		
<i>Eucalyptus camaldulensis</i> Dehnh.*	red gum, river red gum	RSA	1981
<i>Eucalyptus globulus</i> Labill.*	blue gum	Henrickson 1991	R
<i>Eucalyptus tereticornis</i> Sm.*	forest red gum	Gustafson 1981	R
<i>Eucalyptus viminalis</i> Labill.*	manna gum	RSA	1981
Nyctaginaceae	Four O' Clock Family		
<i>Abronia maritima</i> S. Watson	red sand-verbena	POM	1901
<i>Abronia umbellata</i> Lam.	beach sand-verbena	POM,RSA	1901
Oleaceae	Olive Family		
<i>Fraxinus latifolia</i> Benth.	Oregon ash	UC	1932
<i>Fraxinus velutina</i> Torr.	velvet ash	RSA	1981
Onagraceae	Evening-Primrose Family		
<i>Camissoniopsis bistorta</i> (Torr. & A. Gray) W.L. Wagner & Hoch	California sun cup	POM,RSA,UC	1897
<i>Camissoniopsis cheiranthifolia</i> (Spreng.) W.L. Wagner & Hoch ssp. <i>suffruticosa</i>	beach evening-primrose	POM,RSA,UCD	1901
<i>Camissoniopsis lewisii</i> (P.H. Raven) W.L. Wagner & Hoch	Lewis' evening primrose	POM	1899
<i>Camissoniopsis micrantha</i> (Spreng.) W.L. Wagner & Hoch	miniature suncup	RSA	1981
<i>Epilobium campestre</i> (Jeps.) Hoch & W.L. Wagner	smooth boisduvalia	POM	1901
<i>Epilobium ciliatum</i> Raf.	slender willow herb	RSA	1930
<i>Oenothera elata</i> Kunth.	evening primrose	RSA	1981

Table 1. Continued.

Orobanchaceae	Broomrape Family		
<i>Castilleja exserta</i> (A. Heller) T.I. Chuang & Heckard ssp. <i>exserta</i>	purple owl's-clover	POM,RSA	1901
<i>Chloropyron maritimum</i> (Benth.) A. Heller ssp. <i>maritimum</i> ^h	salt marsh bird's beak	DS,POM	1901
Oxalidaceae	Oxalis Family		
<i>Oxalis pilosa</i> Nutt.	hairy wood sorrel	Henrickson 1991 Gustafson 1981, Henrickson 1991	R
<i>Oxalis pes-caprae</i> L.*	Bermuda buttercup	Henrickson 1991	R
Papaveraceae	Poppy Family		
<i>Eschscholzia californica</i> Cham.	California poppy	Henrickson 1991	R
<i>Papaver heterophyllum</i> (Benth.) Greene	wind poppy	RSA	1899
Plantaginaceae	Plantain Family		
<i>Antirrhinum coulterianum</i> A. DC.	Coulter's snapdragon	POM	1911
<i>Antirrhinum nuttallianum</i> A. DC. ssp. <i>nuttalianum</i>	Nuttall's snapdragon	UC	1902
<i>Plantago erecta</i> E. Morris	California plantain	POM	1899
<i>Plantago lanceolata</i> L.*	English plantain	POM,RSA	1902
<i>Plantago major</i> L.*	common plantain	RSA	1980
Platanaceae	Sycamore Family		
<i>Platanus racemosa</i> Nutt.	western sycamore	FWM	R
Polygonaceae	Buckwheat Family		
<i>Chorizanthe parryi</i> Wats. var. <i>fernandina</i> (Wats.) Jeps.	San Fernando Valley spineflower	DS	1901
<i>Eriogonum fasciculatum</i> Benth.	California buckwheat	RSA	1981
<i>Eriogonum fasciculatum</i> Benth. var. <i>fasciculatum</i>	coastal California buckwheat	Gustafson 1981, Henrickson 1991	R
<i>Eriogonum gracile</i> Benth.	slender buckwheat	POM,RSA	1901
<i>Eriogonum parvifolium</i> Sm.	seacliff wild buckwheat	RSA,UC	1902
<i>Lastarriaea coriacea</i> (Goodman) Hoover	leather-spineflower	POM	1901
<i>Mucronea californica</i> Benth.	California spineflower	DS,POM	1899
<i>Persicaria hydro Piperoides</i> (Michx.) Small	false waterpepper	POM,UC	1901
<i>Persicaria laphathifolia</i> (L.) Gray	willow weed	RSA	1930
<i>Persicaria maculosa</i> Gray*	lady's thumb	RSA	1980
<i>Polygonum aviculare</i> L.*	knotweed, knotgrass	CDA,RSA	1930
<i>Rumex conglomeratus</i> Murray*	clustered dock	RSA	1930
<i>Rumex crispus</i> L.*	curly dock	RSA	1930
<i>Rumex fuegimus</i> Phil.	golden dock	POM,RSA	1902
<i>Rumex salicifolius</i> Weinm.	willow dock	RSA	1981
Ranunculaceae	Buttercup Family		
<i>Clematis ligusticifolia</i> Nutt.	western virgin's bower	RSA	1981
<i>Delphinium parryi</i> A. Gray	larkspur	DS	1901
<i>Delphinium parryi</i> A. Gray ssp. <i>maritimum</i> (Davidson) M. J. Warnock	maritime larkspur	DS	1901
Rosaceae	Rose Family		
<i>Heteromeles arbutifolia</i> (Lindl.) M. Roem.	toyon	Henrickson 1991	R
<i>Horkelia cuneata</i> Lindl. var. <i>sericea</i> A. Gray	Kellogg's horkelia	Abrams 1902	R
<i>Potentilla anserina</i> L. ssp. <i>pacifica</i> (Howell) Rousi	Pacific silverweed	POM,UC,UCR	1900
<i>Potentilla multijuga</i> Lehm.	Ballona cinquefoil	POM	1890
<i>Pyracantha</i> cf. <i>crenulata</i> (D. Don) M. Roem.*	Himalayan firethorn	Henrickson 1991	R
<i>Rosa californica</i> Cham. & Schldt.	California rose	Henrickson 1991	R
<i>Rubus ursinus</i> Cham. & Schldt.	California blackberry	FWM	R

Table 1. Continued.

Rubiaceae	Madder Family		
<i>Galium angustifolium</i> A. Gray	narrowly leaved bedstraw	POM	1980
Salicaceae	Willow Family		
<i>Populus fremontii</i> S. Watson ssp. <i>fremontii</i>	Fremont cottonwood	POM	1981
<i>Salix exigua</i> Nutt. var. <i>exigua</i>	narrow-leaved willow	FWM	R
<i>Salix goodingii</i> C.R. Ball	Gooding's black willow	FWM	R
<i>Salix laevigata</i> Bebb	red willow	DS,POM	1901
<i>Salix lasiolepis</i> Benth.	arroyo willow	DS,POM,UC	1932
Scrophulariaceae	Figwort Family		
<i>Myoporum laetum</i> G. Forst.*	myoporum	RSA	1981
<i>Scrophularia californica</i> Cham. & Schldl.	California figwort	RSA	1930
<i>Verbascum virgatum</i> Stokes*	wand mullein	RSA	1981
Solanaceae	Nightshade Family		
<i>Datura wrightii</i> Regel	Jimson weed	RSA	1980
<i>Lycium ferocissimum</i> Miers*	African boxthorn	CDA,RSA	1978
<i>Lycopersicon esculentum</i> Mill.*	tomato	RSA	1981
<i>Nicotiana clevelandii</i> A. Gray	Cleveland's tobacco	POM,RSA	1901
<i>Nicotiana glauca</i> Graham*	tree tobacco	RSA	1980
<i>Petunia parviflora</i> Juss.	wild petunia	RSA	1981
<i>Solanum americanum</i> Miller	American black nightshade	RSA	1981
<i>Solanum douglasii</i> Dunal	Douglas' nightshade	POM,RSA,UCR Gustafson 1981, Henrickson 1991	1901
<i>Solanum nigrum</i> L.*	black nightshade		R
<i>Solanum physalifolium</i> Rusby var. <i>nitidibaccatum</i> (Bitter) Edmonds*	nightshade	RSA	1981
<i>Solanum xanti</i> A. Gray	chaparral nightshade	Henrickson 1991	R
Tamaricaceae	Tamarisk Family		
<i>Tamarix ramosissima</i> Ledeb.*	saltcedar	Henrickson 1991	R
Ulmaceae	Elm Family		
<i>Ulmus parvifolia</i> Jacq.*	Chinese elm, lacebark elm	Henrickson 1991	R
Urticaceae	Nettle Family		
<i>Urtica dioica</i> L. ssp. <i>holosericea</i> (Nutt.) Thorne	hoary nettle	POM,RSA	1902
<i>Urtica urens</i> L.*	dwarf nettle	RSA	1981
Verbenaceae	Vervain Family		
<i>Phyla lanceolata</i> (Michx.) Greene	lance leaf lippia	POM,UC	1902
<i>Verbena bracteata</i> Lag. & Rodr.	bracted verbena	POM	1902
<i>Verbena lasiostachys</i> Link	western verbena	RSA	1981
<i>Verbena lasiostachys</i> Link var. <i>lasiostachys</i>	western vervain	RSA	1930
Zygophyllaceae	Caltrop Family		
<i>Tribulus terrestris</i> L.*	puncture vine	RSA	1980
MONOCOTS			
Agavaceae	Century Plant Family		
<i>Hesperoyucca whipplei</i> (Torr.) Trel.	chaparral yucca	FWM	R
Alismataceae	Water-Plantain Family		
<i>Sagittaria montevidensis</i> Cham. & Schldl ssp. <i>calycina</i> (Engelm.)	arrowhead	RSA	1981
Amaryllidaceae	Amaryllus Family		
<i>Narcissus tazetta</i> L.*	paper white	RSA	1981

Table 1. Continued.

Araceae		Arum Family	
<i>Lemna minuta</i> Kunth		duckweed	RSA 1930
Arecaeae		Palm Family	
<i>Phoenix canariensis</i> Chabaud*		Canary Island palm	RSA 1981
<i>Phoenix dactylifera</i> L.*		date palm	MEC 2005 R
<i>Washingtonia robusta</i> H. Wendl.*		fan palm	Henrickson 1991 R
Cyperaceae		Sedge Family	
<i>Bolboschoenus maritimus</i> (L.) Palla		saltmarsh bulrush	DS,RSA 1904
<i>Bolboschoenus maritimus</i> (L.) Palla ssp. <i>paludosus</i> (A. Nelson) T. Koyama		saltmarsh bulrush	RSA,UCR 1981
<i>Bolboschoenus robustus</i> (Pursh) Sojak		seacoast bulrush	Gustafson 1981, Henrickson 1991 R
<i>Carex praegracilis</i> W. Boott		black creeper, freeway sedge	CAS,DS,POM 1889
<i>Cyperus eragrostis</i> Lam.		tall flatsedge	RSA,SD,UCR 1980
<i>Cyperus esculentus</i> L.		yellow nutgrass	RSA 1981
<i>Cyperus involucratus</i> Rottb.*		umbrella sedge	Gustafson 1981, Henrickson 1991 R
<i>Eleocharis macrostachya</i> Britton		creeping spike rush	RSA 1930
<i>Eleocharis montevidensis</i> Kunth		sand spikerush	DS,RSA 1904
<i>Schoenoplectus americanus</i> (Pers.) Schinz & R. Keller		Olney's three-square bulrush	DS,RSA 1900
<i>Schoenoplectus californicus</i> (C.A. Mey.) Sojak		southern bulrush	DS,RSA 1901
Iridaceae		Iris Family	
<i>Iris pseudacorus</i> L.*		horticultural iris	RSA 1981
<i>Sisyrinchium bellum</i> S. Watson		western blue-eyed-grass	FWM R
Juncaceae		Rush Family	
<i>Juncus acutus</i> L.		spiny rush	DS 1901
<i>Juncus balticus</i> Willd. subsp. <i>ater</i> (Rydb.) Snogerup		Baltic rush	Gustafson 1981, Henrickson 1991 R
<i>Juncus bufonius</i> L.		toad rush	RSA 1981
<i>Juncus mexicanus</i> Willd.		Mexican rush	RSA 1981
<i>Juncus textilis</i> Buchenau		mat or basket rush	RSA 1930
Poaceae		Grass Family	
<i>Agrostis stolonifera</i> L.*		creeping bent	Gustafson 1981, Henrickson 1991 R
<i>Arundo donax</i> L.*		giant reed	RSA 1981
<i>Avena barbata</i> Link*		slender wild oat	Henrickson 1991 R
<i>Avena fatua</i> L.*		wild oat	RSA 1981
<i>Brachypodium distachyon</i> (L.) P. Beauv.*		false brome	Henrickson 1991 R
<i>Bromus carinatus</i> Hook. & Arn. var. <i>marginatus</i> (Steud.) Barkworth & Anderton		mountain brome	Gustafson 1981 R
<i>Bromus catharticus</i> Vahl var. <i>catharticus</i> *		rescue grass	POM 1981
<i>Bromus diandrus</i> Roth*		ripgut grass	POM 1930
<i>Bromus hordeaceus</i> L.*		soft chess	POM 1981
<i>Bromus madritensis</i> L. ssp. <i>rubens</i> (L.) Husn.*		red brome	POM 1901
<i>Cortaderia jubata</i> (Lem.) Stapf*		purple pampas grass	Gustafson 1981, Henrickson 1991 R
<i>Cortaderia selloana</i> (Schult. & Schult. f.) Asch. & Graebn.*		Uruguayan pampas grass	RSA 1980
<i>Cynodon dactylon</i> (L.) Pers.*		Bermuda grass	RSA 1930
<i>Digitaria sanguinalis</i> (L.) Scop.*		hairy crab grass	POM 1981
<i>Distichlis littoralis</i> (Engelm.) H.L. Bell & Columbus		shore grass	Henrickson 1991 R
<i>Distichlis spicata</i> (L.) Greene		salt grass	UC 1902

Table 1. Continued.

<i>Echinochloa crus-galli</i> (L.) P. Beauv.*	barnyard grass	POM	1981
<i>Ehrharta erecta</i> Lam.*	panic veldt grass	POM,UCR	1981
<i>Elymus condensatus</i> J. Presl.	giant wild-rye	Henrickson 1991	R
<i>Elymus glaucus</i> Buckley	western wild-rye	POM	1901
<i>Elymus trachycaulus</i> (Link) Shinn. ssp. <i>trachycaulus</i>	slender wheatgrass	Abrams 1902	R
<i>Elymus triticoides</i> Buckley	beardless wild rye	POM	1901
<i>Festuca arundinacea</i> Schreb.*	tall fescue	Henrickson 1991	R
<i>Festuca myuros</i> L.*	rattail sixweeks grass	POM	1913
<i>Festuca perennis</i> (L.) Columbus & J.P. Sm.*	rye grass	POM,RSA,UCR	1902
<i>Festuca tementula</i> (L.) Columbus & J.P. Sm.*	Darnel ryegrass	POM	1901
<i>Hainardia cylindrica</i> (Willd.) Greuter*	barb grass	POM,UCD	1901
<i>Hordeum brachyantherum</i> Nevski	meadow barley	POM	1930
<i>Hordeum murinum</i> L. ssp. <i>leporinum</i> (Link) Arcang.*	hare barley	POM	1981
<i>Hordeum intercedens</i> Nevski	bobtail barley	POM	1901
<i>Hordeum vulgare</i> L.*	barley	Gustafson 1981, Henrickson 1991	R
<i>Koeleria macrantha</i> (Ledeb.) Schult.	June grass	POM	1901
<i>Lamarckia aurea</i> (L.) Moench*	goldentop	Henrickson 1991	R
<i>Leptochloa fusca</i> (L.) Kunth ssp. <i>uninervia</i> (J. Presl) N. Snow	Mexican sprangletop	POM	1981
<i>Melica imperfecta</i> Trin.	little California melica	POM	1901
<i>Parapholis incurva</i> (L.) C.E. Hubb.*	sickle grass	POM	1981
<i>Paspalum dilatatum</i> Poir.*	dallis grass	POM	1980
<i>Pennisetum setaceum</i> (Forsk.) Chiov.*	crimson fountain grass	Henrickson 1991	R
<i>Phalaris minor</i> Retz.*	Mediterranean canary grass	UC	1932
<i>Phalaris paradoxa</i> L.*	Hood canary grass	POM	1981
<i>Poa annua</i> L.*	annual blue grass	RSA	1981
<i>Polypogon monspeliensis</i> (L.) Desf.*	annual beard grass	Gustafson 1981, Henrickson 1991	R
<i>Polypogon viridis</i> (Gouan) Breistr.*	water beard grass	RSA	1930
<i>Schismus barbatus</i> (L.) Thell.*	Mediterranean grass	Gustafson 1981, Henrickson 1991	R
<i>Setaria parviflora</i> (Poir.) Kerguelen	knotroot bristle grass	RSA	1981
<i>Sorghum halepense</i> (L.) Pers.*	Johnson grass	UC	1902
<i>Stenotaphrum secundatum</i> (Walter) Kuntze*	Saint Augustine grass	RSA	1981
<i>Stipa cernua</i> Stebbins & Love	nodding needle grass	Henrickson 1991	R
<i>Stipa lepida</i> Hitchc.	foothill needle grass	FWM	R
<i>Stipa miliacea</i> (L.) Hoover var. <i>miliacea</i> *	smilo grass	POM	1981
<i>Stipa pulchra</i> Hitchc.	purple needle grass	FWM	R
Ruppiaceae	Ditch-Grass Family		
<i>Ruppia maritima</i> L.	ditch-grass	RSA	1980
Themidaceae	Brodiaea Family		
<i>Dichelostemma capitatum</i> (Benth.) Alph. Wood	blue dicks	Henrickson 1991	R
Typhaceae	Cattail Family		
<i>Sparganium erectum</i> L. ssp. <i>stoloniferum</i> (Grabner) C. Cook & M.S. Nicholls	bur reed	RSA,UC	1902
<i>Typha domingensis</i> Pers.	southern cattail	RSA	1981
<i>Typha latifolia</i> L.	broad-leaved cattail	RSA	1980

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