

## **B.4 Plant Species Observed in the Study Area**

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Appendix B-4 Plant Species Observed in the Study Area

Plant Species Observed in the Study Area			
Latin Name	Common Name	Abundance / Habitat	Voucher
<b>VASCULAR PLANTS</b>			
<b>FILICALES</b>			
FERN FAMILY			
<i>Azolla filiculoides</i>	Pacific mosquitofern	Scarce / ponded water	5,169
<b>CUPRESSACEAE</b>			
CYPRESS FAMILY			
* <i>Cupressus</i> sp.	Ornamental cypress	Solitary / Eucalyptus	
<b>AIZOACEAE</b>			
ICEPLANT FAMILY			
* <i>Carpobrotus edulis</i>	Hottentot fig	Scarce / ruderal	5,158
<b>ANACARDIACEAE</b>			
CASHEW FAMILY			
<i>Malosma laurina</i>	Laurel sumac	Uncommon / uplands	
* <i>Schinus molle</i>	Peruvian ("California") pepper	Uncommon / riparian	
* <i>Schinus terebinthifolius</i>	Brazilian pepper tree	Uncommon / developed	
<i>Toxicodendron diversilobum</i>	Poison oak	Occasional / uplands	
<b>APIACEAE</b>			
CELERY FAMILY			
* <i>Apium graveolens</i>	Wild celery	Uncommon / riparian	
<i>Berula erecta</i>	Water parsnip	Scarce / ponded water	5,170
* <i>Conium maculatum</i>	Poison hemlock	Uncommon / throughout	
* <i>Foeniculum vulgare</i>	Fennel	Occasional / grasslands	
<b>APOCYNACEAE</b>			
DOGBANE FAMILY			
* <i>Araujia sericifera</i>	Bladderflower	Scarce / riparian	
* <i>Nerium oleander</i>	Ornamental oleander	Scarce / developed	
<b>ARALIACEAE</b>			
ARALIA FAMILY			
<i>Hedera helix</i>	English ivy	Scarce / ruderal	5,161
<b>ASTERACEAE</b>			
ASTER FAMILY			
<i>Ambrosia psilostachya</i>	Western ragweed	Occasional / wash	
<i>Artemisia californica</i>	California sagebrush	Occasional / uplands	
<i>Artemisia douglasiana</i>	Douglas mugwort	Uncommon / riparian	
<i>Artemisia tridentata</i>	Big sagebrush	Scarce / uplands	5,172
<i>Baccharis pilularis</i>	Coyote bush	Common / throughout	
<i>Baccharis salicifolia</i>	Mulefat	Common / riparian	
* <i>Carduus pycnocephalus</i>	Italian thistle	Uncommon / throughout	
* <i>Centaurea melitensis</i>	Tocalote	Uncommon / throughout	
* <i>Conyza bonariensis</i>	Flax-leaved horseweed	Uncommon / throughout	
* <i>Cotula australis</i>	Australian brass buttons	Uncommon / ruderal	
* <i>Cotula coronopifolia</i>	Brass buttons	Uncommon / riparian	
* <i>Delairea odorata</i> ( <i>Senecio mikanioides</i> )	Cape ivy	Locally common / riparian	5,151
<i>Euthamia occidentalis</i> ( <i>Solidago occidentalis</i> )	Western goldenrod	Scarce / riparian	
* <i>Gazania linearis</i>	Ornamental gazania	Scarce / wash	

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* <i>Glebionis coronaria</i>	Crown daisy	Uncommon / ruderal	
* <i>Gnaphalium palustre</i>	Lowland cudweed	Uncommon / riparian	
<i>Hazardia squarrosa</i>	Sawtooth goldenbush	Scarce / uplands	
* <i>Helminthotheca echioides</i>	Bristly ox-tongue	Uncommon / ruderal	
<i>Heterotheca grandiflora</i>	Telegraph weed	Uncommon / alluvial bench	
<i>Heterotheca sessiliflora</i>	Golden aster	Occasional / alluvial bench	
* <i>Lactuca serriola</i>	Prickly lettuce	Uncommon / throughout	
<i>Lepidospartum squamatum</i>	Scalebroom	Scarce / alluvial bench	
<i>Lessingia filaginifolia</i> ( <i>Corethrogyne filaginifolia</i> )	Chaparral aster	Scarce / uplands	5,163
<i>Pseudognaphalium canescens</i>	Perennial cudweed	Uncommon / uplands	
<i>Pseudognaphalium ramosissimum</i>	Pink flowered cudweed	Scarce / uplands	5,152
<i>Pseudognaphalium stramineum</i>	Cottonbatting plant	Uncommon / ruderal	
* <i>Sonchus asper</i>	Prickly sow thistle	Uncommon / ruderal	
* <i>Sonchus oleraceus</i>	Common sow thistle	Scarce / riparian	
<i>Xanthium strumarium</i>	Cocklebur	Occasional / riparian	
BRASSICACEAE	MUSTARD FAMILY		
* <i>Hirschfeldia incana</i> ( <i>Brassica geniculata</i> )	Short-pod mustard	Uncommon / throughout	
* <i>Brassica nigra</i>	Black mustard	Uncommon / ruderal	
* <i>Cardamine hirsuta</i> (?)	Hairy bittercress	Occasional / ruderal	
<i>Descurainia pinnata</i> ssp. <i>menziesii</i>	Menzies' tansy mustard	Occasional / uplands	
* <i>Lepidium didymum</i>	Lesser swine cress	Uncommon / ruderal	
* <i>Lobularia maritima</i>	Sweet alyssum	Scarce / riparian	
<i>Nasturtium officinale</i>	Watercress	Occasional / riparian	
* <i>Raphanus sativus</i>	Cultivated radish	Uncommon / ruderal	
* <i>Sisymbrium irio</i>	London rocket	Uncommon / throughout	
CACTACEAE	CACTUS FAMILY		
<i>Opuntia littoralis</i>	Coast prickly pear	Uncommon / throughout	
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY		
<i>Sambucus mexicana</i>	Mexican elderberry, blue	Occasional / throughout	
CHENOPODIACEAE	GOOSEFOOT FAMILY		
<i>Atriplex lentiformis</i>	Quailbush	Occasional / uplands	
<i>Atriplex</i> spp.	Unid. saltbush	Uncommon / ruderal	5,154
<i>Atriplex</i> spp.	Unid. saltbush	Uncommon / ruderal	5,155
* <i>Salsola tragus</i>	Russian thistle, tumbleweed	Uncommon / grasslands	
CONVOLVULACEAE	MORNING GLORY FAMILY		
<i>Calystegia macrostegia</i>	Morning glory	Occasional / uplands	

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* <i>Convolvulus arvensis</i>	Common bindweed	Occasional / grasslands	
CUCURBITACEAE	CUCUMBER FAMILY		
<i>Marah macrocarpa</i>	Wild cucumber	Occasional / uplands	
EUPHORBIACEAE	SPURGE FAMILY		
<i>Croton californicus</i>	California croton	Uncommon / alluvial bench	
* <i>Euphorbia peplus</i>	Petty spurge	Uncommon / ruderal	
* <i>Ricinus communis</i>	Castor bean	Uncommon / throughout	
FABACEAE	PEA FAMILY		
* <i>Acacia longifolia</i>	Golden wattle	Scarce / riparian	
<i>Astragalus trichopodus</i> var. <i>phoxus</i>	Santa Barbara milk vetch	Uncommon / wash	
<i>Acmispon americanus</i> ( <i>Lotus purshianus</i> )	Spanish lotus	Scarce / uplands	
<i>Acmispon glaber</i> ( <i>Lotus scoparius</i> )	Deerweed	Uncommon / uplands	
* <i>Medicago polymorpha</i>	Bur-clover	Uncommon / riparian	
* <i>Melilotus alba</i>	White sweet-clover	Occasional / riparian	
* <i>Melilotus indica</i>	Yellow sweet clover	Uncommon / riparian	
* <i>Senna artemisioides</i>	Silver senna	Scarce / ruderal	5,162
GERANIACEAE	GERANIUM FAMILY		
* <i>Erodium cicutarium</i>	Red-stemmed filaree	Uncommon / throughout	
GROSSULARIACEAE	CURRANT FAMILY		
<i>Ribes malvaceum</i>	Chaparral currant	Scarce / uplands	5,171
HYDROPHYLLACEAE	WATERLEAF FAMILY		
<i>Eriodictyon crassifolium</i> var. <i>nigrescens</i>	Thick-leaf yerba santa	Uncommon / alluvial bench	
<i>Phacelia distans</i>	Common phacelia	Occasional / uplands	
<i>Phacelia ramosissima</i>	Branching phacelia	Uncommon / uplands	
JUGLANDACEAE	WALNUT FAMILY		
** <i>Juglans californica</i>	Southern black walnut	Scarce / riparian	
LAMIACEAE	MINT FAMILY		
* <i>Marrubium vulgare</i>	Horehound	Occasional / grasslands	
<i>Salvia leucophylla</i>	Coastal purple sage	Uncommon / uplands	
<i>Salvia mellifera</i>	Black sage	Occasional / throughout	
LAURACEAE	LAUREL FAMILY		
<i>Umbellularia californica</i>	California bay	Scarce / uplands	
MALVACEAE	MALLOW FAMILY		
* <i>Lavatera cretica</i>	Cornish mallow	Uncommon / ruderal	5,150
* <i>Malva parviflora</i>	Cheeseweed	Uncommon / ruderal	
MYRTACEAE	EUCALYPTUS FAMILY		
* <i>Eucalyptus camaldulensis</i>	Red gum	Uncommon / uplands	5,167
* <i>Eucalyptus globulus</i>	Blue gum	Occasional / uplands	

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* <i>Eucalyptus nicholii</i> (?)	Narrow-Leaved Black Peppermint	Occasional / uplands	5,156
ONAGRACEAE	EVENING PRIMROSE FAMILY		
<i>Epilobium ciliatum</i>	Willow-herb	Uncommon / riparian	
<i>Ludwegia peploides</i> ssp. <i>peploides</i>	Yellow waterweed	Scarce / riparian	
<i>Oenothera elata</i> ssp. <i>hirsutissima</i>	Marsh evening primrose	Uncommon / riparian	
OXALIDACEAE	OXALIS FAMILY		
<i>Oxalis pes-caprae</i>	Bermuda buttercup	Scarce / ruderal	5,153
PLANTAGINACEAE	PLANTAIN FAMILY		
* <i>Plantago lanceolata</i>	Rib-grass	Occasional / riparian	
PLATANACEAE	SYCAMORE FAMILY		
<i>Platanus racemosa</i>	California sycamore	Occasional / riparian	
PLUMBAGINACEAE	PLUMBAGO FAMILY		
* <i>Limonium perezii</i>	Perez's sealavender	Uncommon / ruderal	
* <i>Limonium sinuatum</i>	Wavyleaf sealavender	Occasional / ruderal	
POLYGONACEAE	BUCKWHEAT FAMILY		
<i>Eriogonum fasciculatum</i>	California buckwheat	Scarce / uplands	
<i>Persicaria</i> spp.	Unid. smartweed	Uncommon / wetlands	
<i>Polygonum aviculare</i>	Prostrate knotweed	Scarce / ruderal	
* <i>Rumex</i> spp.	Unid. dock	Uncommon / riparian	
PRIMULACEAE	PRIMROSE FAMILY		
* <i>Anagallis arvensis</i>	Scarlet pimpernel	Occasional / riparian	
RHAMNACEAE	BUCKTHORN FAMILY		
<i>Ceanothus integerrimus</i>	Deer brush	Solitary / riparian	
ROSACEAE	ROSE FAMILY		
<i>Rubus ursinus</i>	California blackberry	Occasional / riparian	5,160
* <i>Rhampholepis indica</i>	Indian hawthorn	Occasional / developed	
SALICACEAE	WILLOW FAMILY		
<i>Populus fremontii</i>	Fremont cottonwood	Occasional / riparian	
<i>Populus trichocarpa</i>	Black cottonwood	Occasional / riparian	
<i>Salix exigua</i>	Sandbar willow	Occasional / riparian	
<i>Salix laevigata</i>	Red willow	Occasional / riparian	5,166
<i>Salix lucida</i> ssp. <i>lasiandra</i>	Pacific willow	Occasional / riparian	5,165
<i>Salix lasiolepis</i>	Arroyo willow	Common / riparian	5,164
SCROPHULARIACEAE	SNAPDRAGON FAMILY		
<i>Mimulus aurantiacus</i>	Bush monkeyflower	Occasional / uplands	
* <i>Myoporum laetum</i>	Lollypop tree	Common / developed areas	5,157
<i>Scrophularia californica</i>	California figwort	Uncommon / uplands	
* <i>Veronica anagallis-aquatica</i>	Water speedwell	Occasional / riparian	
* <i>Veronica arvensis</i>	Speedwell	Occasional / wetlands	
SOLANACEAE	NIGHTSHADE FAMILY		
<i>Datura wrightii</i> ( <i>D. meteloides</i> )	Jimsonweed	Occasional / throughout	

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* <i>Nicotiana glauca</i>	Tree tobacco	Uncommon / throughout	
<i>Solanum americanum</i> ( <i>Solanum nodiflorum</i> )	White nightshade	Uncommon / oak woodland	
<i>Solanum douglasii</i>	Nightshade	Uncommon / uplands	
TROPAEOLACEAE	NASTURTIUM FAMILY		
* <i>Tropaeolum majus</i>	Garden nasturtium	Scarce / riparian	5,159
URTICACEAE	NETTLE FAMILY		
<i>Urtica dioica</i> ssp. <i>holosericea</i>	Stinging nettle	Uncommon / riparian	
VERBENACEAE	VERVAIN FAMILY		
<i>Verbena lasiostachys</i>	Western verbena	Uncommon / riparian	
CYPERACEAE	SEDGE FAMILY		
<i>Cyperus eragrostis</i>	Tall umbrella sedge	Occasional / riparian	
* <i>Cyperus involucratus</i>	Umbrella plant	Scarce / riparian	
<i>Eleocharis</i> sp.	Unid. spike-sedge	Uncommon / riparian	
<i>Scirpus acutus</i> var. <i>occidentalis</i> ( <i>Schoenoplectus acutus</i> var. <i>occidentalis</i> )	Common bulrush	Occasional / riparian	
<i>Scirpus americanus</i> ( <i>Schoenoplectus americanus</i> , <i>Scirpus olneyi</i> )	Olney's threesquare bulrush	Uncommon / riparian	
JUNCACEAE	RUSH FAMILY		
<i>Juncus torreyi</i>	Torrey's rush	Uncommon / marsh	
LEMNACEAE	DUCKWEED FAMILY		
<i>Lemna</i> sp.	Unid. duckweed	Occasional / riparian	5,168
LILIACEAE	LILY FAMILY		
* <i>Asparagus asparagoides</i>	African asparagus fern	Occasional / uplands	
* <i>Yucca</i> sp.	Ornamental yucca	Scarce / uplands	
POACEAE	GRASS FAMILY		
* <i>Agrostis viridis</i>	Water bentgrass	Occasional / riparian	4,034
* <i>Arundo donax</i>	Giant reed	Common / riparian	
* <i>Avena barbata</i>	Wild oat	Occasional / uplands	
* <i>Bromus diandrus</i>	Ripgut brome	Abundant / grasslands	
* <i>Bromus hordeaceus</i>	Soft chess	Uncommon / riparian	
* <i>Bromus madritensis</i> ssp. <i>rubens</i>	Red brome	Common / grasslands	
* <i>Hordeum murinum</i>	Hare barley	Occasional / grasslands	
* <i>Pennisetum setaceum</i>	African fountain grass	Occasional / ruderal	
* <i>Pennisetum villosum</i>	Feathertop	Scarce / ruderal	
* <i>Poa annua</i>	Annual bluegrass	Uncommon / riparian	
* <i>Polypogon monspeliensis</i>	Rabbitfoot grass	Occasional / riparian	
* <i>Stipa miliacea</i> var. <i>miliacea</i> ( <i>Piptatherum miliaceum</i> )	Smilo grass	Occasional / throughout	
TYPHACEAE	CATTAIL FAMILY		
<i>Typha domingensis</i>	Cattail	Uncommon / marshes	

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<b>Latin Name</b>	<b>Common Name</b>	<b>Abundance / Habitat</b>	<b>Voucher</b>
<i>Typha latifolia</i>	Broad-leaved cattail	Occasional / marshes	
Alien species indicated by asterisk, special status species indicated by two asterisks. This list includes only species observed on the site. Others may have been overlooked or unidentifiable due to season. Plants were identified using keys, descriptions, and illustrations in Hickman (1993), Munz (1974), and Baldwin et al (2012). Taxonomy and nomenclature generally follow Baldwin et al. Vouchers, indicated by Justin M. Wood's collection numbers, will be deposited at Rancho Santa Ana Botanic Garden.			