

Appendix B1

Plant Species Observed In The Campus Parkway Study Area

**Table B1-1
Plant Species Observed in the Campus Parkway Study Area***

Scientific Name	Common Name	Munz Name	Family	Wetland Indicator Status	Native?
<i>Achyrachaena mollis</i>	blow-wives		Asteraceae	FAC*	yes
<i>Alopecurus saccatus</i>	foxtail	<i>Alopecurus howellii</i> Vasey	Poaceae	OBL	yes
<i>Amsinckia eastwoodiae</i>	Eastwood's fiddleneck		Boraginaceae	NI	yes
<i>Amsinckia lycopsoides</i>	tarweed fiddleneck		Boraginaceae	NI	yes
<i>Amsinckia menziesii</i> var. <i>menziesii</i>	Menzies' fiddleneck		Boraginaceae	NI	yes
<i>Asclepias fascicularis</i>	Mexican whorled milkweed		Asclepiadaceae	FAC	yes
<i>Avena barbata</i>	slender oat		Poaceae	NI	no
<i>Azolla filiculoides</i>	mosquito fern		Azollaceae	OBL	yes
<i>Blennosperma nanum</i>	common stickyseed		Asteraceae	OBL	yes
<i>Brassica nigra</i>	black mustard		Brassicaceae	NI	no
<i>Briza minor</i>	little quakinggrass		Poaceae	FACW-	no
<i>Brodiaea coronaria</i> ssp. <i>coronaria</i>	harvest clusterlily		Liliaceae	FAC	yes
<i>Brodiaea elegans</i> ssp. <i>elegans</i>	elegant clusterlily		Liliaceae	FACU	yes
<i>Bromus diandrus</i>	ripgut brome		Poaceae	NI	no
<i>Bromus hordeaceus</i>	soft chess	<i>Bromus arvensis</i> L., <i>Bromus molliformis</i> Lloyd, <i>Bromus mollis</i> auct. non L., <i>Bromus racemosus</i> L., <i>Bromus scoparius</i> L.	Poaceae	FACU-	no
<i>Calandrinia ciliata</i>	red maids	<i>Calandrinia ciliata</i> (Ruiz & Pavon) DC. var. <i>menziesii</i> (Hook.) J.F. Macbr.	Portulacaceae	FACU*	yes
<i>Callitriche heterophylla</i> var. <i>bolanderi</i>	Bolander's water-starwort		Callitrichaceae	OBL	yes
<i>Callitriche marginata</i>	winged water starwort	<i>Callitriche longipedunculata</i> Morong	Callitrichaceae	OBL	yes
<i>Calochortus luteus</i>	yellow mariposa lily		Liliaceae	NI	yes
<i>Capsella bursa-pastoris</i>	shepherd's purse	<i>Capsella bursapastoris</i> (L.) Medik.	Brassicaceae	FAC-	no
<i>Castilleja campestris</i> ssp. <i>succulenta</i>	Succulent owl's clover	<i>Orthocarpus campestris</i> Benth. var. <i>succulentus</i> Hoover	Scrophulariaceae	OBL	yes
<i>Centaurea solstitialis</i>	yellow star thistle		Asteraceae	NI	no
<i>Centaurium muehlenbergii</i>	Muhlenberg's centaury	<i>Centaurium curvistamineum</i> (Wittr.) Abrams, <i>Centaurium floribundum</i> (Benth.) B.L. Robins.	Gentianaceae	FAC	yes
<i>Centunculus minimus</i>	chaffweed	<i>Anagallis minimus</i> (L.) Krause	Primulaceae	FACW	yes
<i>Cerastium glomeratum</i>	sticky chickweed	<i>Cerastium viscosum</i> auct. non L.	Caryophyllaceae	FACU	no

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<i>Chamomilla suaveolens</i>	pineapple weed	<i>Matricaria matricarioides</i> (Less.) Porter	Asteraceae	FACU	no
<i>Chlorogalum angustifolium</i>	narrowleaf soapplant		Liliaceae	NI	yes
<i>Cicendia quadrangularis</i>	cicendia	<i>Microcala quadrangularis</i> (Lam.) Griseb.	Gentianaceae	NI	yes
<i>Cirsium vulgare</i>	bullthistle		Asteraceae	FAC	no
<i>Clarkia purpurea</i>	winecup fairyfan		Onagraceae	NI	yes
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	winecup fairyfan		Onagraceae	NI	yes
<i>Claytonia perfoliata</i> ssp. <i>perfoliata</i>	miner's lettuce		Portulacaceae	FAC	yes
<i>Conium maculatum</i>	poison hemlock		Apiaceae	FAC	no
<i>Convolvulus arvensis</i>	field bindweed		Convolvulaceae	NI	no
<i>Cotula coronopifolia</i>	common brassbuttons		Asteraceae	FACW+	no
<i>Crassula aquatica</i>	aquatic pygmy-weed pygmy weed	<i>Tillaea aquatica</i> L.	Crassulaceae	OBL	yes
<i>Crassula tillaea</i>	Mediterranean pygmy- weed	<i>Tillaea muscosa</i> L.	Crassulaceae	NI*	no
<i>Crypsis schoenoides</i>	swamp grass	<i>Heleochoa schoenoides</i> (L.) Host ex Roemer	Poaceae	OBL	no
<i>Cuscuta pentagona</i>	fiveangled dodder	<i>Cuscuta campestris</i> Yuncker	Cuscutaceae	NI	yes
<i>Cynodon dactylon</i>	bermudagrass		Poaceae	FACU	no
<i>Cyperus eragrostis</i>	tall flatsedge		Cyperaceae	FACW	yes
<i>Delphinium variegatum</i>	royal larkspur		Ranunculaceae	NI	yes
<i>Deschampsia danthonioides</i>	annual hairgrass		Poaceae	FACW	yes
<i>Descurainia sophia</i>	herb sophia		Brassicaceae	NI	no
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	vernal pool blue dicks		Liliaceae	FAC*	yes
<i>Dodecatheon clevelandii</i> ssp. <i>patulum</i>	padre's shootingstar		Primulaceae	NI	yes
<i>Downingia bicornuta</i> var. <i>bicornuta</i>	doublehorn calicoflower		Campanulaceae	OBL	yes
<i>Downingia ornatissima</i>	folded calicoflower		Campanulaceae	OBL	yes
<i>Eleocharis acicularis</i>	needle spikerush		Cyperaceae	OBL	yes
<i>Eleocharis macrostachya</i>	common spikerush	<i>Eleocharis palustris</i> (L.)	Cyperaceae	OBL	yes
<i>Epilobium brachycarpum</i>	autumn willowweed	<i>Epilobium paniculatum</i> Nutt. ex Torr. & Gray	Onagraceae	UPL	yes
<i>Epilobium cleistogamum</i>	vernal pool	<i>Boisduvalia cleistogama</i> Curran	Onagraceae	OBL	yes

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	boisduvalia				
<i>Epilobium torreyi</i>	narrow-leaved boisduvalia	<i>Boisduvalia stricta</i> (Gray) Greene	Onagraceae		yes
<i>Eremocarpus setigerus</i>	turkey mullein		Euphorbiaceae	NI	yes
<i>Erodium botrys</i>	longbeak stork's bill		Geraniaceae	NI	no
<i>Erodium cicutarium</i>	redstem stork's bill		Geraniaceae	NI	no
<i>Erodium moschatum</i>	musky stork's bill		Geraniaceae	NI	no
<i>Eryngium vaseyi</i>	coyotethistle		Apiaceae	FACW	yes
<i>Eschscholzia californica</i>	California poppy	<i>Eschscholzia procera</i> Greene	Papaveraceae	NI	yes
<i>Eschscholzia lobbiai</i>	Lobb's goldenpoppy		Papaveraceae	NI	yes
<i>Ficus carica</i>	commonfig		Moraceae	NI	no
<i>Filago gallica</i>	narrow-leaved filago		Asteraceae	NI	no
<i>Galium murale</i>	tiny bedstraw		Rubiaceae	NI	no
<i>Gastridium ventricosum</i>	nit grass		Poaceae	FACU	no
<i>Gilia tricolor</i>	bird's eyes		Polemoniaceae	NI	yes
<i>Glyceria occidentalis</i>	northwestern mannagrass		Poaceae	OBL	yes
<i>Gratiola ebracteata</i>	bractless hedgehyssop		Scrophulariaceae	OBL	yes
<i>Grindelia camporum</i> var. <i>camporum</i>	Great Valley gumweed	<i>Grindelia procera</i> Greene, <i>Grindelia robusta</i> Nutt.	Asteraceae	FACU	yes
<i>Hemizonia fitchii</i>	Fitch's tarweed		Asteraceae	NI	yes
<i>Hemizonia pungens</i>	common spikeweed		Asteraceae	FAC	yes
<i>Hesperervax caulescens</i>	hogwallow starfish	<i>Evax acaulis</i> (Kellogg) Greene	Asteraceae	OBL	yes
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i>	Mediterranean barley	<i>Hordeum geniculatum</i> All.	Poaceae	FAC	no
<i>Hordeum murinum</i> ssp. <i>leporinum</i>	foxtail barley	<i>Hordeum leporinum</i> Link	Poaceae	NI	no
<i>Hypochaeris glabra</i>	smooth cat's ear	<i>Hypochaeris glabra</i>	Asteraceae	NI	no
<i>Iris pseudacorus</i>	paleyellow iris		Iridaceae	OBL	no
<i>Isoetes orcuttii</i>	Orcutt's quillwort		Isoetaceae	OBL	yes
<i>Juncus bufonius</i> var. <i>bufonius</i>	toad rush		Juncaceae	FACW+	yes
<i>Juncus effusus</i> var. <i>pacificus</i>	Pacific bog rush		Juncaceae	OBL	yes
<i>Juncus uncialis</i>	twelfth rush		Juncaceae	OBL	yes
<i>Lactuca serriola</i>	wild lettuce		Asteraceae	FAC	no
<i>Lasthenia californica</i>	goldfields common	<i>Lasthenia chrysostoma</i> (Fisch. & C.A. Mey.) Greene	Asteraceae	FACU*	yes

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	goldfields				
<i>Lasthenia fremontii</i>	Fremont's goldfields		Asteraceae	OBL	yes
<i>Layia fremontii</i>	Fremont's tidytips		Asteraceae	NI	yes
<i>Leontodon taraxacoides</i> ssp. <i>taraxacoides</i>	lesser hawkbit	<i>Leontodon leysseri</i> (Wallr.) G. Beck	Asteraceae	FACU	yes
<i>Lepidium latipes</i> var. <i>latipes</i>	San Diego pepperweed	<i>Lepidium latipes</i> Hook.	Brassicaceae	OBL	yes
<i>Lepidium nitidum</i>	shining pepperweed		Brassicaceae	NI	yes
<i>Lilaea scilloides</i>	flowering quillwort		Juncaginaceae	OBL	yes
<i>Limnanthes douglasii</i> ssp. <i>rosea</i>			Limnanthaceae	OBL	yes
<i>Limnanthes striata</i>	foothill meadowfoam		Limnanthaceae	OBL	yes
<i>Linanthus bicolor</i>	true babystars		Polemoniaceae	NI	yes
<i>Lolium multiflorum</i>	Italian ryegrass		Poaceae	FAC*	no
<i>Lolium perenne</i>	English ryegrass		Poaceae	FAC*	no
<i>Lomatium caruifolium</i> var. <i>caruifolium</i>	alkali desertparsley		Apiaceae	FACW*	yes
<i>Lotus corniculatus</i>	birdfoot trefoil		Fabaceae	FAC	no
<i>Ludwigia peploides</i>	floating waterprimrose		Onagraceae	OBL	yes
<i>Lupinus bicolor</i>	bicolor lupine	<i>Lupinus congdonii</i> (C.P. Sm.) D. Dunn, <i>Lupinus micranthus</i> Dougl., non Guss., <i>Lupinus polycarpus</i> Greene	Fabaceae	NI	yes
<i>Lupinus microcarpus</i> var. <i>microcarpus</i>	valley lupine	<i>Lupinus ruber</i> Heller, <i>Lupinus subvexus</i> C.P. Sm.	Fabaceae	NI	yes
<i>Lythrum hyssopifolium</i>	loosestrife/wallow poly	<i>Lythrum hyssopifolia</i> L.	Lythraceae	FACW	no
<i>Malvella leprosa</i>	alkali mallow, whiteweed	<i>Sida hederacea</i> (Dougl. ex Hook.) Torr. ex Gray	Malvaceae	FAC*	yes
<i>Marsilea vestita</i> ssp. <i>vestita</i>	hairy pepperwort	<i>Marsilea mucronata</i> A. Braun	Marsileaceae	OBL	yes
<i>Medicago polymorpha</i>	burclover	<i>Medicago hispida</i> Gaertn.	Fabaceae	FACU-	no
<i>Microseris douglasii</i> ssp. <i>douglasii</i>	Douglas' Microseris		Asteraceae	NI	yes
<i>Mimulus guttatus</i>	seep monkeyflower	<i>Mimulus glabratus</i> Kunth ssp. <i>utahensis</i> Pennell, <i>Mimulus microphyllus</i> Benth., <i>Mimulus nasutus</i> Greene, <i>Mimulus whipplei</i> A.L. Grant	Scrophulariaceae	OBL	yes
<i>Mimulus latidens</i>	broadtooth monkeyflower		Scrophulariaceae	OBL	yes

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<i>Mimulus tricolor</i>	three-colored monkeyflower		Scrophulariaceae	OBL	yes
<i>Montia fontana</i>	water chickweed	<i>Montia funstonii</i> Rydb., <i>Montia hallii</i> (Gray) Greene, <i>Montia minor</i> K.C. Gmel.	Portulacaceae	OBL	yes
<i>Morus alba</i>	mulberry		Moraceae	FACU*	no
<i>Muilla maritima</i>	common muilla		Liliaceae	NI	yes
<i>Myosurus minimus</i>	little mousetail		Ranunculaceae	OBL	yes
<i>Navarretia leucocephala</i>	white vernal pool navarretia		Polemoniaceae	OBL	yes
<i>Navarretia pubescens</i>	downy pincushionplant	<i>Navarretia mitracarpa</i> Greene	Polemoniaceae	NI	yes
<i>Navarretia nigelliformis ssp. radians</i>	shining navarretia		Polemoniaceae	NI	yes
<i>Orcuttia inaequalis</i>	San Joaquin Valley orcutt grass		Poaceae	OBL	yes
<i>Paspalum dilatatum</i>	dallasgrass		Poaceae	FAC	no
<i>Paspalum distichum</i>	knotgrass		Poaceae	OBL	yes
<i>Phyla nodiflora</i>	turkey tangle fogfruit	<i>Lippia nodiflora</i> (L.) Michx.	Verbenaceae	FACW	yes
<i>Pilularia americana</i>	pillwort		Marsileaceae	OBL	yes
<i>Plagiobothrys greenei</i>	Greene's allocarya		Boraginaceae	FACW	yes
<i>Plagiobothrys humistratus</i>	dwarf popcornflower		Boraginaceae	OBL	yes
<i>Plagiobothrys leptocladus</i>	alkali plagiobothrys		Boraginaceae	OBL	yes
<i>Plagiobothrys nothofulvus</i>	rusty popcornflower		Boraginaceae	FAC	yes
<i>Plagiobothrys stipitatus var. micranthus</i>	stipitate popcorn flower		Boraginaceae	OBL	yes
<i>Plantago elongata</i>	longleaf plantain	<i>Plantago bigelovii</i> Gray	Plantaginaceae	FACW*	yes
<i>Plantago erecta</i>	rock plantago	<i>Plantago hookeriana</i> Fisch. & C.A. Mey. var. <i>californica</i> (Greene) Poe	Plantaginaceae	NI	yes
<i>Plantago lanceolata</i>	narrowleaf plantain		Plantaginaceae	FAC-	no
<i>Poa annua</i>	annual bluegrass		Poaceae	FACW-	no
<i>Pogogyne zizyphoroides</i>	Sacramento mesa mint		Lamiaceae	OBL	yes
<i>Polygonum arenastrum</i>	common knotweed	<i>Polygonum aviculare</i> L., <i>Polygonum montereyense</i> Brenckle	Polygonaceae	FAC	no
<i>Polypogon monspeliensis</i>	annual beard grass		Poaceae	FACW+	no
<i>Psilocarphus brevissimus</i>	woolly marbles		Asteraceae	OBL	yes
<i>Psilocarphus oregonus</i>	Oregon woolly heads		Asteraceae	OBL	yes

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<i>Psilocarphus tenellus</i>	slender woollyheads		Asteraceae	FAC	yes
<i>Ranunculus aquatilis</i>	water buttercup	<i>Ranunculus aquatilis</i> L.	Ranunculaceae	OBL	yes
<i>Ranunculus bonariensis</i> var. <i>trisepalus</i>	vernal pool buttercup	<i>Ranunculus alveolatus</i> Carter	Ranunculaceae	OBL	yes
<i>Ranunculus californicus</i>	California buttercup		Ranunculaceae	FAC	yes
<i>Ranunculus muricatus</i>	spiny buttercup		Ranunculaceae	FACW+	no
<i>Ranunculus sceleratus</i>	celeryleaf buttercup		Ranunculaceae	OBL	yes
<i>Raphanus sativus</i>	wild radish		Brassicaceae	UPL	no
<i>Rumex crispus</i>	curly dock		Polygonaceae	FACW-	no
<i>Salix gooddingii</i>	Goodding's black willow		Salicaceae	FACW	yes
<i>Senecio vulgaris</i>	common groundsel		Asteraceae	NI*	no
<i>Sidalcea malvaeflora</i> ssp. <i>sparsifolia</i>	checker mallow (ssp?)		Malvaceae	NI	yes
<i>Silene gallica</i>	common catchfly		Caryophyllaceae	NI	no
<i>Silybum marianum</i>	milkthistle		Asteraceae	NI	no
<i>Soliva sessilis</i>	field soliva	<i>Soliva daucifolia</i> Nutt., <i>Soliva pterosperma</i> (Juss.) Less.	Asteraceae	FAC*	no
<i>Sonchus asper</i> ssp. <i>asper</i>	prickly sowthistle	<i>Sonchus asper</i> (L.) Hill	Asteraceae	FAC	no
<i>Spergularia rubra</i>	red sandspurry		Caryophyllaceae	FAC-	no
<i>Stellaria media</i>	common chickweed		Caryophyllaceae	FACU	no
<i>Taraxacum officinale</i>	common dandelion	<i>Taraxacum laevigatum</i> (Willd.) DC.	Asteraceae	FACU	no
<i>Torilis nodosa</i>	knotted hedgeparsley		Apiaceae	NI	no
<i>Trifolium depauperatum</i> var. <i>amplectens</i>	balloon sack clover	<i>Trifolium amplexens</i> Torr. & Gray	Fabaceae	FAC-	yes
<i>Trifolium dubium</i>	shamrock		Fabaceae	FACU*	no
<i>Trifolium fragiferum</i>	strawberry clover		Fabaceae	NI*	no
<i>Trifolium gracilentum</i>	graceful clover		Fabaceae	NI	yes
<i>Trifolium hirtum</i>	rose clover		Fabaceae	NI	no
<i>Trifolium repens</i>	white clover		Fabaceae	FACU+	no
<i>Trifolium variegatum</i>	variegated clover	<i>Trifolium appendiculatum</i> Loja., <i>Trifolium polyodon</i> Greene	Fabaceae	FACW-	yes
<i>Trifolium willdenovii</i>	tomcat clover	<i>Trifolium tridentatum</i> Lindl.	Fabaceae	NI	yes
<i>Triphysaria eriantha</i>	butter 'n' eggs	<i>Orthocarpus erianthus</i> Benth.	Scrophulariaceae	NI	yes
<i>Triteleia hyacinthina</i>	white brodiaea	<i>Brodiaea hyacinthina</i> (Lindl.) Baker	Liliaceae	FACW*	yes
<i>Triteleia laxa</i>	Ithuriel's spear	<i>Brodiaea laxa</i> (Benth.) S. Wats.	Liliaceae	NI	yes

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<i>Tropidocarpum gracile</i>	graceful tropidocarpum		Brassicaceae	NI	yes
<i>Typha latifolia</i>	broadleaf cattail		Typhaceae	OBL	yes
<i>Urtica dioica ssp. holosericea</i>	hoary nettle	<i>Urtica holosericea</i> Nutt., <i>Urtica serra</i> auct. non Blume	Urticaceae	FACW	yes
<i>Veronica peregrina ssp. xalapensis</i>	hairy purslane speedwell		Scrophulariaceae	OBL	yes
<i>Vicia sativa ssp. sativa</i>	spring vetch common vetch, spring vetch	<i>Vicia sativa</i> L.	Fabaceae	FACU	no
<i>Vulpia bromoides</i>	brome fescue	<i>Festuca dertonensis</i> (All.) Aschers. & Graebn.	Poaceae	FACU*	no
<i>Vulpia microstachys</i>	small fescue		Poaceae	NI	yes
<i>Xanthium spinosum</i>	spiny cocklebur		Asteraceae	FAC+	yes
<i>Xanthium strumarium</i>	cocklebur		Asteraceae	FAC+	yes

* Because the study area was narrowed as the project took form, some species on the list may have been observed outside of the study area defined in this document. See section 2.2 for a more detailed explanation.