

Introduction

A botanical survey was conducted along a 1.6 mi. (8,350 ft) corridor of Selby Creek on June 6, 2006. The project area is located between Dutch Henry Canyon and the Napa River in north Napa Valley. The purpose of the survey was to map special status plant species, assess vegetation conditions, inventory all vascular plant species, and identify noxious weed problems. Landscape architect, Ann Baker, provided orientation to the project area and project goals prior to the initiation of the survey.

List of Potential Sensitive Plant Species at Selby Creek

The following list was developed from a nine-quadrangle search of Department of Fish and Game CNDDDB records, selecting all endangered plants that occur in riparian and freshwater wetland habitats.

Scientific Name	Common Name	Blooms	Rarity Status
<i>Amsinckia lunaris</i>	bent-flowered fiddleneck	Mar-Jun	1B/ 2-2-3
<i>Antirrhinum virga</i>	tall snapdragon	Jun-Jul	4/ 1-1-3
<i>Brodiaea californica</i> ssp. <i>leptandra</i>	narrow-anthered California bro.	May-Jul	1B/ 2-2-3
<i>Centromadia parryi</i> ssp. <i>parryi</i>	Parry's tarplant	Jun-Oct	1B/ 2-2-3
<i>Equisetum palustre</i>	marsh horsetail		3/ 3-?-1
<i>Erigeron angustatus</i>	narrow-leaved daisy	May-Sep	1B/ 2-2-3
<i>Juglans hindsii</i>	Northern California black walnut	Apr-May	1B/ 3-3-3
<i>Limnanthes vinculans</i>	Sebastopol meadowfoam	Apr-May	FE/ 2-3-3
<i>Leptosiphon jepsonii</i>	Jepson's leptosiphon	Apr-May	1B/ 2-2-3
<i>Monardella villosa</i> var. <i>globosa</i>	robust monardella	Jun-Jul	1B/ 3-2-3
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia	May-Jul	1B/ 2-3-3
<i>Perideridia gairdneri</i> ssp. <i>gairdneri</i>	Gairdner's yampah	Jun-Oct.	4/ 1-2-3
<i>Plagiobothrys strictus</i>	Calistoga popcornflower	Mar-Jun	FE/ 3-3-3
<i>Poa napensis</i>	Napa bluegrass	May-Aug	FE/ 3-3-3
<i>Ranunculus lobbii</i>	Lobb's aquatic buttercup	Feb-May	4/ 1-2-3
<i>Trifolium depauperatum</i> ssp. <i>hydrophilum</i>	Alkali clover	Apr-Jun	1B/ 3-2-3

[FE = Federal Endangered; 1B = California Native Plant Society (CNPS) List of Rare and Endangered Plants of California; 3 = CNPS List of Plants with Rarity status that requires further study; 4 = CNPS list of Plants of Limited Distribution, A Watch List]

Results of the Rare Plant Survey

The project area was searched by walking both banks and intermittently transecting the creek bed. No special status plant species were observed within the project area.

List of Native Vascular Plant Species Expected but not Present at Selby Creek

This list was gleaned from a personal database of over 475 native plant species with vouchered collections taken from Napa Valley. These species occur including riparian, wetland, and upland habitats. The occurrence of some species assumes greater stream flow under historic conditions and takes into consideration current geomorphic conditions. A few species are annuals and are probably impractical for reintroduction to the site.

Scientific Name	Common Name	Life Form	Habitat
<i>Agrostis microphylla</i>	small-leaved bentgrass	annual	streambed, moist
<i>Alnus rhombifolia</i>	black alder	tree	lower bank, bed
<i>Amelanchier utahensis</i>	pallid serviceberry	shrub	top of bank
<i>Apocynum cannabinum</i>	Indian hemp	perennial	streambank
<i>Asclepias fascicularis</i>	narrow-leaved milkweed	perennial	streambed, dry
<i>Baccharis salicifolia</i>	mule fat	shrub	water edge
<i>Carex nudata</i>	torrent sedge	perennial	water edge
<i>Clematis ligusticifolia</i>	western virgin's bower	woody vine	streambank
<i>Datisca glomerata</i>	durango root	perennial	streambed, moist
<i>Euthamia occidentalis</i>	western goldenrod	perennial	water edge
<i>Glyceria occidentalis</i>	vanilla grass	perennial	shallow water
<i>Glycyrrhiza lepidota</i>	American licorice	perennial	streambank
<i>Heracleum lanatum</i>	cow parsnip	perennial	top bank, shade
<i>Juncus xiphioides</i>	iris-leaved rush	perennial	streambed, moist
<i>Nicotiana quadrivalvis</i>	Indian tobacco	annual	streambed, dry
<i>Polygonum amphibium</i>	swamp smartweed	perennial	water edge
<i>Polygonum lapathifolium</i>	willow weed	annual	streambed, moist
<i>Potentilla glandulosa</i>	sticky cinquefoil	perennial	bank
<i>Prunus subcordata</i>	Sierra plum	shrub	top bank
<i>Rhamnus californica</i>	California coffeeberry	shrub	top bank
<i>Stachys stricta</i>	Sonoma hedge nettle	perennial	streambed, moist
<i>Typha domingensis</i>	yellow flag	perennial	water edge
<i>Verbena lasiostachys</i>	western verbena	perennial	streambed, dry

Significant Invasive Species Observed in the of Selby Creek Project Reach

Ailanthus altissima - A tree that produces robust rhizomes and adventitious stems. Generally occurs in localized clonal stands and advances slowly.

Centaurea solstitialis – Annual species with prolific seed production. Problematic in exposed uplands often encouraged by disturbance such as grazing or grading. Seeds reportedly viable for about 3 years.

Conium maculatum – A robust perennial, generally occurring in patchy or linear stands. Prefers seasonally wet places such as stream and lake margins. Can be highly exclusive of native species but habitat requirements are a limiting factor.

Convolvulus arvensis – A perennial vine, localized, common on disturbed sites. Plants spread by deep persistent rhizomes.

Euphorbia oblongata – A perennial with shallow rhizomes. These spread producing daughter plants. Stands generally expand slowly but are persistent.

Foeniculum vulgare – A robust perennial; problematic in disturbed uplands; slow to invade but persistent.

Genista monspeliensis – A shrub with prolific seed production. Young plants hand-pull easily. Seed production by mature individuals necessitate prolonged monitoring to prevent re-invasion by dormant seeds.

Plantago lanceolata - A perennial with a thickened taproot. Can be problematic in wetlands, heavy soils.

Piptantherum miliaceum – A stout perennial grass; invasive in openings along waterways; may shade out native perennials. The rate of invasion unknown.

Robinia pseudo-acacia – A tree, up to 50 ft tall. Generally advances slowly; displaces native trees.

Silybum marianum – A robust annual, generally local in disturbed places. Can exclude natives by shading them out.

Vicia villosa ssp. *varia* – An annual, member of the pea family. Planted as forage but rapid invasions can smother expanses of native species.

Vinca major – A perennial, spreading by stolons and forming a groundcover. Mature stands smother native herbaceous species. Advances slowly but persistent and difficult to eradicate.

Rapid Assessment Vegetation Cover Estimates

Only native taxa are listed in the following table
 Non-native cover is included in the Total Cover estimate.
 Percent cover was determined by visual estimate.

Species	Layer	Estimated Cover				
		Plot #1	Plot #2	Plot #3	Plot #4	Plot #5
<i>Acer macrophyllum</i>	tree	1	2			
<i>Aesculus californica</i>	tree				1	
<i>Artemisia douglasiana</i>	shrub		<1			<1
<i>Brickellia californica</i>	shrub	3	1	1		
<i>Carex barbarae</i>	herbaceous			5		
<i>Cercocarpus betuloides</i>	shrub		4			
<i>Clarkia unguicalata</i>	herbaceous		1			
<i>Cornus glabrata</i>	shrub				2	
<i>Elymus glaucus</i>	herbaceous		<1	<1		
<i>Fraxinus latifolia</i>	tree	1	1	5	1	
<i>Juglans hindsii x majus</i>	tree				5	
<i>Heterotheca oregana</i>	herbaceous	2				
<i>Marah fabaceus</i>	herbaceous				<1	
<i>Pinus sabiniana</i>	tree	2	2			1
<i>Populus fremontii</i>	tree			2		
<i>Quercus agrifolia</i>	tree	1	1		10	2
<i>Quercus lobata</i>	tree		1	10	2	1
<i>Rumex salicifolius ssp.</i>	herbaceous					<1
<i>Salix spp.</i>	tree			33	50	
<i>Toxicodendron diversilobum</i>	shrub	1	3		1	
<i>Umbellularia californica</i>	tree				2	
-other species (some non-native)		17	6	9	7	5
Total cover		28	22	67	80	9

GPS data waypoints - Format: UTM : WGS 84

ID	Name	Zone	Easting	Northing
Plot 1 (SH 1)		10 S	541797	4268891
Plot 2 (SH 2)		10 S	541753	4269239
Plot 3 (SH 3)		10 S	542419	4268303
Plot 4 (SH 4)		10 S	542637	4268062
Plot 5 (SH 5)		10 S	542233	4268502

Vegetation Plot Digital Images



SH 1



SH 2



SH 3



Vascular Plants of Selby Creek

Scientific Name	Common Name	Habitat	Comments
Ferns and Allies			
<i>Equisetum laevigatum</i>	Braun's scouring rush	bed	remnant individuals; appear to be struggling
<i>Pellaea andromedaefolia</i>	coffee fern	upper bank	localized
Conifers			
<i>Pinus sabiniana</i>	foothill pine	bank, floodplain	uncommon riparian element
<i>Pseudotsuga menziesii</i>	Douglas fir	floodplain	rare riparian element in Napa Valley
Dicots			
ACERACEAE			
	<i>MAPLE</i>		
<i>Acer macrophyllum</i>	big leaf maple	bank	a large tree
AMARANTHACEAE			
	<i>AMARANTH</i>		
<i>Amaranthus hybridus</i> *	slender pigweed		
ANACARDIACEAE			
	<i>SUMAC</i>		
<i>Toxicodendron diversilobum</i>	poison oak	bank	shrub, vine
APIACEAE			
	<i>CARROT</i>		
<i>Anthriscus caucalis</i> *	bur chervil		
<i>Conium maculatum</i> *	poison hemlock		Can be <u>invasive</u>
<i>Daucus carota</i> *	Queen Anne's lace		
<i>Foeniculum vulgare</i> *	fennel		Can be <u>invasive</u>
<i>Torilis arvensis</i> *	common hedge parsley		
APOCYNACEAE			
	<i>DOGBANE</i>		
<i>Vinca major</i> *	periwinkle		Pierce's disease host plant

Scientific Name	Common Name	Habitat	Comments
ARISTOLOCHIACEAE	PIPEVINE		
<i>Aristolochia californica</i>	Dutchman's pipe	mid bank, shade	perennial vine
ASTERACEAE	SUNFLOWER		
<i>Achillea millefolium</i>	common yarrow	top of bank	possibly planted; perennial
<i>Agoseris grandiflora</i>	large mountain agoseris	flood plain	unusual riparian element; perennial
<i>Artemisia douglasiana</i>	Douglas's mugwort	edge of bed, terrace	perennial, spreading with rhizomes
<i>Aster chilensis</i>	Chilean aster	top of bank, woods	perennial, spreading with rhizomes
<i>Baccharis pilularis</i>	coyote brush	top of bank	shrub; a colonizer
<i>Brickellia californica</i>	California brickellia	bed and bank	shrub
<i>Calendula arvensis</i> *	field marigold		invasive in cultivated places
<i>Carduus pycnocephalus</i> *	Italian thistle		
<i>Centaurea solstitialis</i> *	yellow star thistle		invasive weed, mostly of upland habitat
<i>Filago gallica</i> *	narrow-leaved filago		
<i>Gnaphalium luteo-album</i> *	weedy cudweed		
<i>Heterotheca oregana ssp. rudis</i>	Oregon golden aster	bed and bank	uncommon riparian element; perennial
<i>Hypochaeris glabra</i> *	smooth cat's ear		
<i>Lactuca serriola</i> *	prickly lettuce		
<i>Madia gracilis</i>	slender tarweed	edge of streambed	annual
<i>Madia (sativa)</i>	tarweed	top of bank	annual
<i>Senecio sylvaticus</i> *	wood grousel		
<i>Silybum marianum</i> *	milk thistle		invasive but generally localized
<i>Sonchus oleraceus</i> *	common sow thistle		
<i>Uropappus lindleyi</i>	silver puffs	berm	annual
BORAGINACEAE	BORAGE		
<i>Amsinkia menziesii ssp. menziesii</i>	common fiddleneck	floodplain	annual
<i>Cryptantha flaccida</i>	flaccid cryptantha	levee; gravel; sun	annual
BRASSICACEAE	MUSTARD		
<i>Brassica rapa</i> *	field mustard		
<i>Cardamine oligosperma</i>	bitter cress		annual
<i>Hirshfeldia incana</i> *	Mediterranean mustard		

Scientific Name	Common Name	Habitat	Comments
<i>Raphanus sativus</i> *	wild radish		
<i>Rorippa nasturtium-aquaticum</i> *	winter cress		
CALLITRICHACEAE	<i>WATER STARWORT</i>		
<i>Callitriche heterophylla</i> var. <i>bolanderi</i>	Bolander's water starwort	aquatic; part shade	
CALYCANTHACEAE	<i>CALYCANTHUS</i>		
<i>Calycanthus occidentalis</i>	spice bush	top of bank	planted? Shrub
CAPRIFOLIACEAE	<i>HONEYSUCKLE</i>		
<i>Lonicera hispidula</i> ssp. <i>vacillans</i>	hairy honeysuckle	top of bank	woody vine
<i>Sambucus mexicana</i>	desert elderberry	top of bank	large shrub
<i>Symphoricarpus albus</i> ssp. <i>laevigatus</i>	common snowberry	top of bank	shrub
CARYOPHYLLACEAE	<i>PINK</i>		
<i>Polycarpon tetraphyllum</i> *	four-seeded alseed		
<i>Silene gallica</i> *	windmill pink		
CHENOPODIACEAE	<i>GOOSEFOOT</i>		
<i>Atriplex triangularis</i>	fat hen	gravel bar	annual
<i>Chenopodium album</i> ? *	goosefoot		
CONVOLVULACEAE	<i>MORNING GLORY</i>		
<i>Calystegia occidentalis</i>	western morning glory	flood plain	perennial vine
<i>Convolvulus arvensis</i> *	field bindweed		Noxious weed , mostly of upland sites
CORNACEAE	<i>DOGWOOD</i>		
<i>Cornus glabrata</i>	stream dogwood	bank, shade	shrub
CUCURBITACEAE	<i>GOURD</i>		
<i>Cucumis</i> spp. *	melon		
<i>Marah fabaceus</i>	California manroot	top of bank	perennial vine

Scientific Name	Common Name	Habitat	Comments
ERICACEAE	HEATH		
<i>Arbutus menziesii</i>	madrone	flood plain	uncommon riparian element; tree
<i>Arctostaphylos manzanita</i>	foothill manzanita	berm, top of bank	uncommon riparian element; shrub
<i>Arctostaphylos</i> 'Howard McMinn' ? *			planted on top of bank
EUPHORBIACEAE	SPURGE		
<i>Eremocarpus setigerus</i>	turkey mullein	bank, flood plain	annual
<i>Euphorbia oblongata</i> *	egg-leaf spurge		Noxious weed
<i>Euphorbia peplus</i> *	petty spurge		
FABACEAE	PEA		
<i>Acacia delabata</i> *	silver wattle		
<i>Cercis occidentalis</i>	western redbud	top of bank	planted; shrub; in east county riparian communities
<i>Genista monspessulana</i> *	French broom		Noxious weed
<i>Hoita macrostachya</i>	leather root	stream bed	robust perennial
<i>Lathyrus vestitus ssp. vestitus</i>	common Pacific pea	upper bank, part shade	perennial vine
<i>Lotus scoparius</i>	deerweed	berm, bank	perennial; sub-shrub
<i>Lotus purshianus ssp. purshianus</i>	Spanish trefoil	flood plain	annual
<i>Lupinus albifrons ssp. albifrons</i>	silver lupine	top of bank	shrub, uncommon riparian element
<i>Lupinus bicolor</i>	miniature lupine	flood plain	annual
<i>Medicago polymorpha</i> *	bur clover	stream bed	
<i>Robinia pseudo-acacia</i> *	locust		can be <u>invasive</u>
<i>Trifolium hirtum</i> *	rose clover		
<i>Trifolium microcephalum</i>	maiden clover	flood plain	annual
<i>Trifolium obtusiflorum</i>	creek clover	stream bed	annual; localized
<i>Vicia villosa ssp. varia</i> *	spring vetch		can be <u>invasive</u>
FAGACEAE	OAK		
<i>Quercus agrifolia ssp. agrifolia</i>	coast live oak	top of bank	common riparian element
<i>Quercus douglasii</i>	blue oak	top of bank	planted
<i>Quercus lobata</i>	valley oak	top of bank, upper bank	common riparian element

Scientific Name	Common Name	Habitat	Comments
GARRYACEAE	<i>SILKTASSEL</i>		
<i>Garrya fremontii</i>	silktassel	top of bank	unusual riparian element
GROSSULARIACEAE	<i>GOOSEBERRY</i>		
<i>Ribes viburnifolium</i> *	evergreen currant	top of bank	planted
HIPPOCASTANACEAE	<i>BUCKEYE</i>		
<i>Aesculus californica</i>	buckeye	top of bank	multi-trunked tree
HYDROPHYLLACEAE	<i>WATERLEAF</i>		
<i>Eriodictyon californicus</i>	yerba santa	top of bank	shrub; uncommon riparian element
<i>Phacelia distans</i>	common phacelia	top of bank	annual
<i>Phacelia imbricata</i> ssp. <i>imbricata</i>	imbricate phacelia	bank and floodplain	perennial
JUGLANDACEAE	<i>WALNUT</i>		
<i>Juglans hindsii</i> X <i>major</i>	hybrid black walnut		naturally occurring hybrid - cross with domestic
<i>Juglans regia</i> *	english walnut		
LAMIACEAE	<i>MINT</i>		
<i>Lamium amplexicaule</i> *	henbit		
<i>Marjoram</i> ?			
<i>Marrubium vulgare</i> *	horehound		
<i>Monardella villosa</i> ssp. <i>villosa</i>	coyote mint	bank top and floodplain, rocky	subshrub; unusual riparian element
<i>Scutellaria californica</i>	California skullcap	terrace, cobbly	perennial
<i>Stachys ajugoides</i> ssp. <i>rigida</i>	rigid hedge nettle	bank, floodplain	perennial
LAURACEAE	<i>LAUREL</i>		
<i>Umbellularia californica</i>	California bay	top of bank	tree
LYTHRACEAE	<i>LOOSESTRIFE</i>		
<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife		

Scientific Name	Common Name	Habitat	Comments
MALVACEAE	MALLOW		
<i>Malva nicaeensis</i> *	bull mallow		
OLEACEAE	OLIVE		
<i>Fraxinus latifolia</i>	Oregon ash	middle to top of bank	tree
ONAGRACEAE	EVENING PRIMROSE		
<i>Clarkia purpurea ssp. quadrivulnera</i>	wine-cup clarkia	floodplain	annual
<i>Clarkia unguicalata</i>	elegant clarkia	bank and floodplain	annual
<i>Epilobium brachycarpum</i>	panicked willow herb		annual
<i>Epilobium ciliatum</i>	northern willow herb	edge of water	perennial
<i>Epilobium torreyi</i>	narrow-leaved summer primrose	bed, sun	annual
<i>Zauschneria californica</i>	California fuchsia	cobbly bank	perennial
OXALIDACEAE	WOOD SORREL		
<i>Oxalis laxa</i> *	Chilean wood sorrel		
PAPAVERACEAE	POPPY		
<i>Eschscholzia californica</i>	California poppy	floodplain	perennial
PLANTAGINACEAE	PLANTAIN		
<i>Plantago lanceolata</i> *	English plantain		Can be <u>invasive</u> in grasslands
POLEMONIACEAE	PHLOX		
<i>Gilia capitata ssp. capitata</i>	capitate gilia		annual
POLYGONACEAE	BUCKWHEAT		
<i>Eriogonum nudum ssp.</i>	bare-stemmed buckwheat	exposed bank	perennial
<i>Polygonum arenastrum</i> *	common knotweed		
<i>Polygonum punctatum</i>	water smartweed	bed	perennial
<i>Rumex acetocella</i> *	sheep sorrel		
<i>Rumex crispus</i> *	curly dock		
<i>Rumex conglomeratus</i> *	clustered dock		

Scientific Name	Common Name	Habitat	Comments
<i>Rumex salicifolius ssp.</i>	willow dock	bed	perennial
PORTULACACEAE	<i>PURSLANE</i>		
<i>Claytonia perfoliata ssp. perfoliata</i>	miner's lettuce		annual
<i>Portulaca oleracea *</i>	purslane		
PRIMULACEAE	<i>PRIMROSE</i>		
<i>Anagallis arvensis *</i>	scarlet pimpernel		
RHAMNACEAE	<i>BUCKTHORN</i>		
<i>Ceanothus thyrsiflorus</i>	blue blossom		planted
<i>Rhamnus ilicifolia</i>	holly-leaved redberry	top of bank	shrub; uncommon in Napa Valley
ROSACEAE	<i>ROSE</i>		
<i>Adenostoma fasciculatum</i>	chamise	top of bank	unusual riparian element
<i>Cercocarpus betuloides var. betuloides</i>	mountain mahogany	top of bank	
<i>Cotoneaster pannosa *</i>	silver leaf cotoneaster		
<i>Heteromeles arbutifolia</i>	toyon	top of bank	
<i>Prunus cerasifera *</i>	sour cherry		
<i>Prunus ilicifolia ssp. ilicifolia</i>	holly leaf cherry		planted
<i>Prunus ilicifolia ssp. lyonii</i>	Catalina cherry		planted
<i>Rosa californica</i>	California rose	upper bank	thicket forming shrub
<i>Rubus discolor *</i>	Himalayan blackberry		<u>Invasive</u> in riparian communities
<i>Rubus ursinus</i>	California blackberry	bank	sprawling shrub
RUBIACEAE	<i>MADDER</i>		
<i>Galium aparine</i>	cleavers		
<i>Galium bolanderi</i>	Bolander's bedstraw		unusual in Napa Valley; perennial
<i>Galium parisiense *</i>	Parisian bedstraw		
<i>Galium porrigens ssp. porrigens</i>	climbing bedstraw	top of bank	perennial
<i>Sherardia arvensis *</i>	field madder		

Scientific Name	Common Name	Habitat	Comments
SALICACEAE	WILLOW		
<i>Populus fremontii</i>	Fremont' cottonwood	streambed	tree, sometimes massive
<i>Salix exigua</i>	sandbar willow	streambed	large shrub
<i>Salix laevigata</i>	polished willow	streambed, lower bank	multi-trunk tree
<i>Salix lasiolepis</i>	arroyo willow	streambed	multi-trunk tree
<i>Salix lucida ssp. lasiandra</i>	red willow	streambed; lower bank	multi-trunk tree
SCROPHULARIACEAE	FIGWORT		
<i>Kickxia elatine</i> *	sharp-leaved fluellin		
<i>Mimulus aurantiacus</i>	sticky monkeyflower	top of bank	shrub
<i>Mimulus cardinalis</i>	scarlet monkeyflower	stream bed	perennial
<i>Mimulus guttatus</i>	seep-spring monkeyflower	edge of bed	annual or perennial
<i>Penstemon heterophyllus ssp. purdyi</i>	foothill penstemon	top of bank	sub-shrub
<i>Scrophularia californica</i>	California figwort	bank	perennial
<i>Verbascum virgatum</i> *	wand mullein		
SIMAROUBACEAE	QUASSIA		
<i>Ailanthus altissima</i> *	tree-of-heaven		<u>Invasive plant</u>
SOLANACEAE	NIGHTSHADE		
(<i>Lycium spp.</i>)			
<i>Nicotiana acuminata var. multiflora</i> *	many-flowered tobacco		
<i>Solanum americanum</i>	American nightshade	bed; shade	annual
URTICACEAE	NETTLE		
<i>Urtica dioica ssp. holosericea</i>	hoary nettle	bed	robust perennial; possesses stinging hairs
VALERIANACEAE	VALERIAN		
<i>Centranthus ruber</i> *	red vallerian		
VISCACEAE	MISTLETOE		
<i>Arceuthobium occidentale</i>	dwarf mistletoe		

Scientific Name	Common Name	Habitat	Comments
VITACEAE	GRAPE		
<i>Vitis californica</i>	California grape	bank	woody vine
<i>Vitis rupestris</i> *	rootstock		
<i>Vitis vinifera</i> *	European wine grape		
<i>Vitis vinifera x californica</i>	California/European hybrid		
ZYGOPHYLLACEAE	CALTROP		
<i>Tribulus terrestris</i> *	puncture vine		
Monocots			
ARACEAE	ARUM		
<i>Arum italicum</i> *	Italian arum		
CYPERACEAE	SEDGE		
<i>Carex barbarae</i>	Santa Barbara sedge	upper bank, floodplain	perennial
<i>Cyperus eragrostis</i>	yellow nutgrass	near water	perennial
JUNCACEAE	RUSH		
<i>Juncus bufonius ssp. bufonius</i>	toad rush		annual
<i>Juncus patens</i>	spreading rush	streambed	perennial
LILIACEAE	LILY		
<i>Brodiaea elegans ssp. elegans</i>	harvest brodiaea	floodplain	perennial from bulb
<i>Chlorogalum pomeridianum var. pom.</i>	Indian soap	floodplain	perennial from bulb
POACEAE	GRASS		
<i>Agrostis exarata var. monolepis</i>	western bentgrass	streambed	perennial
<i>Avena barbata</i> *	wild oats		
<i>Brachypodium distachyon</i> *	purple false brome		
<i>Briza major</i> *	large quaking grass		

Scientific Name	Common Name	Habitat	Comments
<i>Briza minor</i> *	small quaking grass		
<i>Bromus diandrus</i> *	rip-gut grass		
<i>Bromus hordeaceus</i> *	soft cheat		
<i>Cynosurus echinatus</i> *	dogtail grass		
<i>Elymus glaucus ssp. glaucus</i>	western rye	edge of streambed	perennial
<i>Festuca arundinacea</i> *	tall meadow fescue		
<i>Gastridium ventricosum</i> *	nit grass		
<i>Lolium multiflorum</i> *	Italian rye		
<i>Melica californica</i>	California melica	levee with oak/bay	perennial
<i>Melica torreyana</i>	Torrey's melica	bank top, shade	perennial
<i>Muhlenbergii rigens</i> *	deer grass		planted
<i>Piptantherum miliaceum</i> *	millet mountain rice		Can be <u>invasive</u>
<i>Poa annua</i> *	annual bluegrass		
<i>Polypogon interruptus</i> *	beard grass		
<i>Polypogon monspeliensis</i>	rabbit's foot		
<i>Vulpia dertonensis</i> ? *	foxtail		

* = Non-Native Species