TAYLOR MOUNTAIN PROPERTIES BOTANICAL SURVEY

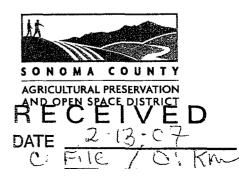
Prepared for:

Sonoma County Agricultural Preservation & Open Space District 747 Mendocino Avenue Santa Rosa, CA 95403

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INTRODUCTION

Circuit Rider Productions Inc. (CRP) has completed the preliminary botanical survey of the Taylor Ranch Properties (the properties). The properties consist of the Russell property (823 acres), Nunes property (120 acres), Bath-Watt property (47 acres), and Matteri property (116 acres). Located southeast of the City of Santa Rosa, the properties consist of relatively steep north and west facing slopes of Taylor Mountain, ranging from approximately 200 feet to 1,360 feet in elevation and bisected by several seasonal streams. The 823-acre Russell property makes up the northwestern flank of Taylor Mountain. The Nunes, and Bath-Watt properties are located to the north of the Russell property, and the Matteri property is located to the west of the Russell property, with access off Petaluma Hill Road.

CRP conducted a botanical survey of the 823-acre Taylor Mountain Ranch Property (Russell property) in June/July 2006. At the request of the Sonoma County Agricultural Preservation & Open Space District (SCAPOSD), the three adjacent properties that SCAPOSD owns in fee title (Nunes, Bath-Watt, and Matteri) have been added to the botanical survey.

CURRENT CONDITIONS/IMPROVEMENTS

A residential compound, including the site of the historical Kawana Springs Resort, is located near the northwest boundary of the Russell property. The Sonoma County Water Agency has an inholding within the Russell property, consisting of two water storage tanks accessible from Kawana Terrace Road. There is a network of ranch roads in various conditions on the Russell, Nunes, and Matteri properties. A gravel road provides access to a radio tower and a barn on the Bath-Watt property. There is an old concrete foundation that fronts Petaluma Hill Road on the Matteri property. A strip of land, approximately 250 feet in width and 1,700 feet in length along the Petaluma Hill Road frontage of the Matteri property has been graded in the past. The Russell property has historically been, and is currently being grazed by cattle. The majority of the acreage on all of the properties is undeveloped and relatively undisturbed and, together, the properties make up a significant amount of natural habitat. Wildlife habitats on the properties include: Annual Grassland, Coastal Oak Woodland, Montane Riparian, Wet Meadow, and Lacustrine (California Department of Forestry, 1988).

METHODOLOGY

The California Natural Diversity Database (CNDDB), a computerized inventory of the locations of rare, endangered, or threatened plants and animals in California, was queried prior to performing any fieldwork. CRP staff member Rob Evans performed fieldwork on the Russell property on June 21st, July 12th, 19th and 27th, 2006. Fieldwork was conducted on the Bath-Watt, and Nunes properties on January 3, 2007, and January 8, 2007 on the Matteri property. The survey consisted of walking through the various habitat types on the property and noting plants encountered within each habitat type. An

inventory of plant species encountered, along with the habitat type they were found in, is included in this report. The habitat types were mapped onto an air-photo base map (AirPhoto USA, August 2004) utilizing aerial photo interpretation and performing field checks. The Taylor Mountain Properties Botanical Assessment Map is included with this report. The locations of the major infestations of invasive plants encountered during the fieldwork were documented with a hand held GPS unit, utilizing both ESRI ArcPad, and Trimble Pathfinder Office software. Major infestations encountered are depicted on the Taylor Mountain Botanical Assessment Map.

It should be noted that plants flowering in early spring were most likely dormant at the time the fieldwork occurred, and were no longer identifiable. Also, due to grazing of plant material by cattle on the Russell property, plant identification in some areas was limited. Due to seasonal dormancy, the January 2007 botanical survey on the Bath-Watt, Nunes, and Matteri properties consisted primarily of woody perennial plants.

SPECIAL STATUS PLANTS

No special status plant species were encountered during the field survey. The California Native Plant Society (CNPS) lists 18 special status plants occurring within the Santa Rosa Quadrangle, of which Taylor Mountain is located. Most of these species occur primarily within vernal pools on the Santa Rosa plain, or on serpentine soils typically associated with chaparral vegetation. These habitats were not encountered on the property.

It should be noted that numerous seeps occur on the property and have been classified as Wet Meadow habitat type. Several of the special status species listed by CNPS as occurring in mesic areas within "valley and foothill grassland" could possibly occur in this habitat type on the property including: Baker's navarretia (Navarretia leucocephala ssp. bakeri), saline clover (Trifolium depauperatum var. hydrophilum), and Sebastopol meadowfoam (Limanthes vinculans). Other species listed that occur in "valley foothill grassland" in more xeric conditions (and sometime serpentine) include big-scale balsamroot (Balsamorhiza macrolepis var. macrolepis), bent-flowered fiddleneck (Amsinckia lunaris), and fragrant fritillary (Fritillaria liliacea). Of these special status species, only Sebastopol meadowfoam is Federally, or State listed. The remainder of the species mentioned above are listed by CNPS as 1B.2, (endemic to California, and fairly endangered in California).

The Wet Meadow habitat type is considered sensitive because wetlands are regulated under Section 404 of the Clean Water Act. Riparian zones are also regulated under the Clean Water Act, as well as by Sections 1601-06 of the California Department of Fish & Game Code. Wetland plants encountered in these habitat types are noted in the habitat descriptions below. Wetland species, as defined by the U.S. Fish and Wildlife Service (Resource Management Group, 1993) include the following categories:

- 1) Obligate Wetland (OBL) Occurs with an estimated 99% probability in wetlands.
- 2) Facultative Wetland (FACW) Estimated 67%-99% probability of occurrence in wetlands.
- 3) Facultative (FAC) Equally likely to occur in wetlands and nonwetlands (34%-66%

probability).

- 4) Facultative Upland (FACU) 67%-99% probability in nonwetlands, 1%-33% in wetlands.
- 5) Obligate Upland (UPL) >99% nonwetlands in California
- 6) No Indicator (NI) Insufficient information available to determine status.

INVASIVE PLANTS

The following invasive plants (Bossard, et. al., 2000) were encountered in the more wildland settings of the properties: French broom (Genista monspessulana), blue gum eucalyptus (Eucalyptus globules), Himalayan blackberry (Rubus discolor), yellow starthistle (Centaurea solstitialis), purple starthistle (Centaurea calcitrapa), Italian thistle (Carduus pycnocephalus), bull thistle (Cirsium vulgara), milk thistle (Silybum marianum), medusahead (Taeniatherum caput-medusae), Harding grass (Pharlaris aquatica), pennyroyal (Mentha pulegium), saltcedar (Tamarisk sp.), pampass grass (Cortaderia selloana), and periwinkle (Vinca major). English ivy (Hedera helix), and Spanish broom (Spartium junceum) was noted within the residential compound of the Russell property, along with several of the species listed above. The disturbed Petaluma Hill Road frontage of the Matteri property is dominated by invasive weeds, including mustard (Brassica sp.), wild radish (Raphanus sativus), iceplant (Carpobrotus edulis), Himalayan blackberry (Rubus discolor), yellow starthistle (Centaurea solstitialis), Italian thistle (Carduus pycnocephalus), and milk thistle (Silybum marianum),

The locations of some of the major infestations of invasive plants are included on the Taylor Mountain Properties Botanical Assessment Map. Several species are widespread throughout the property, including pennyroyal in the Wet Meadow habitat type, and medusahead, along with both yellow and purple starthistle in the Annual Grassland habitat type.

HABITATS:

The Taylor Mountain Ranch Properties are dominated by the Coastal Oak Woodland and Annual Grassland habitat types, with Montane Riparian, Wet Meadow, and Lacustrine habitat types making up the remainder of the property. A description of the habitat types follows. A brief description of the dominant plants encountered within the residential compound is also included. The plant inventory that is included with this report includes the habitat type within which each species was encountered.

Annual Grassland (AGS)

The Annual Grassland habitat type is widespread and consists of primarily annual grasses and forbs. It has historically been grazed by livestock, and the Russell property continues to be grazed by cattle. Germination typically occurs after the first fall rains, and die off during the hot, dry summer months. It should be noted that some of the early flowering plant species that exist on the property might have already died off by the time the fieldwork for this assessment was performed. Non-native annual grasses are the dominant plants within this habitat type. Also occurring are annual forbs, including

many native and non-native wildflowers, perennial native grasses, and an occasional tree or shrub.

Wet Meadow (WTM)

Wet Meadows on the properties are generally surrounded by the Annual Grassland habitat type, and are primarily associated with upland springs and seeps. Wet Meadows typically occur where water is at or near the surface most of the growing season. The soils, although they have little or no standing water, have a slow rate of permeability and are often colonized by wetland species.

Cattle currently have access to much of the Wet Meadow habitat type on the properties. Vegetation in the Wet Meadow habitat type can consist of a wide variety of plant species. Common genera include Carex, Juncus, and Scirpus. The invasive plant pennyroyal (Mentha pulegium) is widespread within the Wet Meadow habitat type on the properties. Patches of Himalayan blackberry (Rubus discolor) around the perimeter is fairly common. Species encountered that have the wetland status of FAC, FACW, or OBL are listed below. Plants with an asterisk are non-native.

COMMON NAME:

pennyroyal *
spreading rush
brown-head rush

toad rush
green rush
Bolander's rush
dense sedge
nut-grass

pale spikerush giant horsetail white brodiaea bull clover blow wives mugwort

prickly lettuce *
bristly ox tongue *
prickly sow thistle *

canchalagua horehound * ribgrass *

California oatgrass slender hairgrass meadow barley rabbitfoot grass * fiddle dock * scarlet pimpernel *

annual mountain dandelion

SCIENTIFIC NAME:

Mentha pulegium (OBL)

Juncus patens (FAC)

Juncus phaeocephalus (FACW)

Juncus bufonis (FACW) Juncus effusus (OBL) Juncus bolanderi (OBL) Carex densa (OBL)

Cyperus eragrostis (FACW) Eleocharis macrostachya (OBL) Equisetum telmateia (OBL) Triteleia hyacinthina (FACW)

Trifolium fucatum (FAC) Achyrachaena mollis (FAC) Artemesia douglasiana (FACW)

Lactuca serriola (FAC) Picris echioides (FAC) Sonchus asper (FAC)

Centaurium muehlenbergii (FAC)

Marrubium vulgare (FAC)
Plantago lanceolata (FAC)
Danthonia californica (FACW)
Deschampsia elongata (FACW)
Hordeum brachyantherum (FACW)
Polypogon monspelienis (FACW)

Rumex pulcher (FAC)
Anagallis arvensis (FAC)
Agoseris heterophylla (FACW)

Himalayan blackberry *
California blackberry
scarlet monkeyflower
large monkeyflower
beeplant
arroyo willow
cattail
tule

Rubus discolor (FACW)
Rubus ursinus (FACW)
Mimulus cardinalis (OBL)
Mimulus guttatus (OBL)
Scrophularia californica (FAC)
Salix lasiolepis (FACW)
Typha latifolia (OBL)
Scirpus sp. (OBL)

Coastal Oak Woodland (COW)

The Coastal Oak Woodland habitat type occurs throughout the properties, and is the dominant habitat type. Coast live oak (Quercus agrifolia) and Oregon oak (Quercus garryana) are the dominant tree species, with California bay-laurel (Umbellularia californica), California buckeye (Aesculus californica), blue oak (Quercus douglasii), black oak (Quercus kelloggii), Douglas-fir (Pseudotsuga menziesii), and Pacific madrone (Arbutus menziesii) as associates. Big-leaf maple (Acer macrophyllum) and Oregon ash (Fraxinus latifolia) occur in some of the more mesic areas. The shrub layer is not well developed in most areas and the understory primarily consists of leaf litter. Snowberry (Symphoricarpos mollis / Symphoricarpos albus), poison oak (Toxicodendron diversilobum), wood rose (Rosa gymnocarpa), and various fern species are fairly widespread throughout the habitat type. Italian thistle (Carduus pycnocephalus), and to a lesser extent, milk thistle (Silybum marianum) are common where cattle congregate near the Annual Grassland/Coastal Oak Woodland transition zone.

Montane Riparian (MRI)

The Montane Riparian habitat type is highly variable and structurally diverse. The ephemeral streams on the properties are typically dominated by California bay-laurel (Umbellularia californica) and coast live oak (Quercus agrifolia), with California buckeye (Aesculus californica), big-leaf maple (Acer macrophyllum), and Oregon ash (Fraxinus latifolia) as associates. Willows (Salix lasiolepis and Salix exigua), and cottonwood (Populus fremontii) occur as well as the species mentioned above along the perennial stream located near the northern property boundary. The invasive plants, Himalayan blackberry (Rubus discolor), periwinkle (Vinca major), and French broom (Genista monspessulana) are common along the perennial stream that parallels Kawana Terrace Road. The native shrub layer is diverse, with snowberry (Symphoricarpos mollis / Symphoricarpos albus) and poison oak (Toxicodendron diversilobum) occurring throughout the habitat type on the property. Species encountered that have the wetland status of FAC, FACW, or OBL are listed below. Plants with an asterisk are non-native.

COMMON NAME:

big-leaf maple western chain fern blue elderberry spreading rush green rush **SCIENTIFIC NAME:**

Acer macrophyllum (FAC) Woodwardia fimbriata (FACW) Sambucus mexicana (FAC) Juncus patens (FAC) Juncus effusus (OBL) Bolander's rush

dense sedge nut-grass

ninebark giant horsetail hedge nettle

mugwort sandbar willow

arroyo willow

Fremont cottonwood

Oregon ash

California bay-laurel rabbitfoot grass * western lady fern stinging nettle

Himalayan blackberry *
California blackberry
scarlet monkeyflower
large monkeyflower

beeplant

Juncus bolanderi (OBL) Carex densa (OBL)

Cyperus eragrostis (FACW) Physocarpus capitatus (FACW) Equisetum telmateia (OBL)

Stachys ajugoides (OBL)

Artemesia douglasiana (FACW)

Salix exigua (OBL) Salix lasiolepis (FACW) Populus fremontii (FACW) Fraxinus latifolia (FACW)

Umbellularia californica (FAC) Polypogon monspelienis (FACW)

Athyrium filix-femina (FAC)

Urtica dioica (FACW)
Rubus discolor (FACW)
Rubus ursinus (FACW)
Mimulus cardinalis (OBL)
Mimulus guttatus (OBL)

Scrophularia californica (FAC)

Lacustrine (LAC)

Lacustrine habitats are inland depressions, or dammed channels containing standing water. They are often classified as ponds and/or reservoirs. Vegetation consists of phytoplankton suspended in water. Lacustrine habitats are used by a variety of wildlife including mammals, birds, reptiles, amphibians, and invertebrates. The pond on the property is frequented by cattle, which have impacted the surrounding vegetation. Surrounding tree species include Oregon oak (*Quercus garryana*), coast live oak (*Quercus agrifolia*), and California buckeye (*Aesculus californica*).

REFERENCES

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Bossard, Carla C. et al. 2000. *Invasive Plants of California's Wildlands*. University of California Press.

California Department of Forestry and Fire Protection. 1988. A Guide to Wildlife Habitats of California.

Hickman, J.C. *The Jepson Manual - Higher Plants of California*. 1993. University of California Press, Berkeley.

Resources Management Group, Inc. 1993. National List of Plant Species That Occur in Wetlands, Region 10 – California.

Santa Rosa, California

FAMILY	SPECIES	COMMON NAME	NATIVE=N INTRODUCED=I I* = Invasive	HABITAT TYPE KEY: AGS: Annual Grassland COW: Coastal Oak Woodland MRI: Montane Riparian WTM: Wet Meadow RES: Residential
Aceraceae	Acer macrophyllum	big-leaf maple	N	MRI/COW
Aizoaceae	Carpobrotus sp.	ice plant	Į	RES
Anacardiaceae	Toxicodendron diversilobum	poison oak	N	COW/MRI
Apiaceae	Daucus pusillus	rattlesnake weed	\mathbf{N}^{\cdot}	AGS
	Foeniculum vulgare	fennel	I*	MRI/WTM
	Lomatium californicum	California lomatium	N	AGS
	Perideridia kelloggii	yampha	N	AGS/COW
	Sanicula bipinnatifida	purple sanicle	N	COW
	Sanicula crassicaulis	gamble weed	N	COW
Apocynaceae	Vinca major	blue periwinkle	I*	RES/MRI
Asclepiadaceae	Asclepias fascicularis	narrow-leaf milkweed	N	AGS
Asteraceae	Achillia millefolium	yarrow	N	AGS/WTM
	Achyrachaena mollis	blow wives	N	AGS/WTM
	Agoseris grandiflora	grand mountain dandelion	N	AGS
	Agoseris heterophylla	annual mountain dandelion	N	AGS
	Artemesia douglasiana	mugwort	N	MRI/WTM
	Baccharis pilularis	coyote bush	\mathbf{N}	AGS
	Carduus pycnocephalus	Italian thistle	I*	AGS/COW
	Centaurea calcitrapa	purple starthistle	I*	AGS
	Centaurea solstitianus	yellow starthistle	I*	AGS
	Cirsium vulgara	bull thistle	I*	AGS/WTM
	Hemizona congesta	tarweed	N	AGS
	Hieracium albiflorum	white-flowered hawkweed	N	COW
•	Lactuca serriola	prickly lettuce	I	WTM
	Madia sp.		N	AGS

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Asteraceae (cont)	Picris echioides	bristly ox tongue	I	WTM
,	Silybum marianum	milk thistle	I	AGS/WTM
	Sonchus asper	prickly sow thistle	I	WTM
	Sonchus oleraceus	common sow thistle	I	WTM
	Wyethia angustifolia	narrow-leaf mule ears	N	AGS/COW
	Wyethia glabra	coast mule ears	N	AGS/COW
Betulaceae	Corylus cornuta var. californica	hazelnut	N	MRI/COW
Blechnaceae	Woodwardia fimbriata	western chain fern	N	MRI
Boraginaceae	Amsinckia menziesii var. intermedia	common fiddleneck	N	AGS
•	Cynoglossum grande	hound's tongue	N	COW
	Myosotis latifolia	forget-me-not	I	COW
	Plagiobothrys nothofulvus	popcorn flower	N	AGS
Brassicaceae	Brassica sp.	mustard	I*	RES
	Raphanus sativus	wild radish	I*	RES
	Rorippa nasturtium-aquaticum	watercress	I ·	WTM
Caprifoliaceae	Lonicera hispidula var. vacillans	honeysuckle	N	COW/MRI
•	Sambucus mexicana	blue elderberry	N	MRI
	Symphoricarpos albus var. laevigatus	s snowberry	N	COW/MRI
	Symphoricarpos mollis	creeping snowberry	N	COW
Caryophyllaceae	Silene californica	Indian pink	N	COW
· · ·	Silene gallica	windmill pink	I	AGS
	Stellaria media	common chickweed	I	COW
Clusiaceae	Hypericum calycinum	creeping St. John's wort	I	RES/MRI

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Čonvolvulaceae	Convolulus arvensis	bindweed	N	AGS
Cucurbitaceae	Marah fabaceus	man-root	N	COW
Cupressaceae	Calocedrus sp. Cupressus macrocarpa Cupressus sempervirens	cedar Monterey cypress Italian cypress	I I I	RES RES RES
Cyperaceae	Carex densa Carex dudleyi Carex sp. Cyperus eragrostis Eleocharis macrostachya Scirpus sp.	dense sedge Dudley's sedge sedge nut-grass pale spikerush rush	N N ? N N ?	WTM WTM WTM WTM WTM/AGS
Dennstaeditiacea	e Pteridium aquilinum	bracken fern	. N	AGS/COW/WTM
Dryopteridaceae	Athyrium filix-femina var. cyclosorum	western lady fern	N .	COW/MRI
	Dryopteris arguta	coastal wood-fern	N	COW/MRI
	Polystichum californicum	California shield fern	N	COW/MRI
	Polystichum munitum	western sword fern	N	COW/MRI
Ericaceae	Arbutus menziesii	Pacific madrone	N	COW
Equisetaceae	Equisetum telmateia ssp. braunii	giant horsetail	N	WTM/MRI
Euphorbiaceae	Croton setigerus	turkey mullein	N	AGS
Fabaceae	Genista monspessulana Medicago polymorpha	French broom bur clover	I* I	COW/MRI AGS/WTM

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Fabaceae (cont)	Spartium junceum	Spanish broom	I*	RES
	Thermopsis macrophylla	false-lupine	N	AGS
	Trifolium sp.	clover	?	AGS
	Trifolium fucatum	bull clover	N	AGS
	Trifolium hirtum	rose clover	I	AGS
	Trifolium microcephalum	maiden clover	N	AGS
8	Vicia sativa	spring vetch	I	AGS/WTM
			·	
Éagaceae	Quercus berberidifolia	California scrub oak	N .	COW
	Quercus agrifolia	coast live oak	Ņ	COW/MRI
	Quercus douglasii	blue oak	N	COW
	Quercus garryana	Oregon oak	N	COW
	Quercus kelloggii	black oak	N	COW
	Quercus lobata	valley oak	N	COW
Gentianaceae	Centaurium muehlenbergii	canchalagua	N	AGS/WTM
Geraniaceae	Erodium brachycarpum	filaree	I	AGS
	Geranium dissectum	cranesbill	Ι	AGS
Hippocastanacea	e Aesculus califonica	California buckeye	N	COW/MRI
Juglandaceae	Juglans sp.	walnut	· I	RES
Juncaceae	Juneus bolanderi	Bolander's rush	N	WTM
	Juncus bufonis	toad rush	\mathbf{N}	WTM
	Juncus effusus	green rush	N	WTM/MRI/AGS
	Juncus occidentalis	western rush	\mathbf{N}	WTM
	Juncus patens	spreading rush	N	WTM/MRI/AGS
	Juncus phaeocephalus	brown-head rush	N	WTM

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Lamiaceae	Marrubium vulgare	horehound	I	RES/AGS/WTM
Lamiacea	Mentha pulegium Monardella villosa var. villosa Stachys ajugoides	pennyroyal coyote mint hedge nettle	I* N N	WTM AGS COW/MRI
Lauraceae	Umbellularia californica	California bay-laurel	N	COW/MRI
Liliaceae	Brodiaea elegans Calochortus luteus Chlorogalum pomeridianum	harvest brodiaea yellow mariposa soap plant	N N N	AGS AG AGS/COW
	var. pomeridianum Dicheleostemma capitatum Disporum hookeri Kniphofia uvaria Smilicina racemosa	blue dicks fairy bells red hot poker false Solomon's seal	N N I N	AGS/COW COW RES COW
	Trillium chloropetalum Triteleia hyacinthine Triteleia laxa	giant trillium white brodiaea Ithuriel's spear	N N N	COW WTM/AGS AGS/WTM
Myrtaceae	Eucalyptus globules	blue gum	I*	RES/AGS
Oleaceae	Fraxinus latifolia Olea europaea	Oregon ash olive	N I	MRI/COW RES
Papaveraceae	Eschscholzia californica	California poppy	N	AGS
Pinaceae	Pinus radiata Pseudotsuga menziesii	Monterey pine Douglas-fir	I N	RES COW/MRI
Plantaginaceae	Plantago lanceolata	ribgrass	I	WTM

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Poaceae	Avena barbata	slender wild oat	I	AGS
	Avena fatua	wild oat	I	AGS
	Briza minor	little quaking grass	I	AGS
	Bromus carinatus	California brome	N	AGS/COW
	Bromus diandrus	rip-gut brome	·	AGS
	Bromus hordeaceus	soft chess	I	AGS
	Cortaderia selloana	pampass grass	I*	RES/AGS
	Cynodon dactylon	Bermuda grass	Ï	RES/AGS
	Cynosurus echinatus	hedgehog dogtail	I	AGS
	Dactylis glomerata	orchard grass	I	AGS/WT
	Danthonia californica	California oatgrass	N	AGS/WTM
	Deschampsia elongata	slender hairgrass	N	AGS/WTM
	Elymus glaucus	blue wildrye	N	AGS/COW
	Festuca californica	California fescue	N	COW
	Hordeum bachyantherum	meadow barley	N	WTM/AGS
	Hordeum murinum ssp. leporium	farmer's foxtail	I	AGS
,	Lolium multiflorum	Italian ryegrass	I	AGS/WTM
	Lolium perenne	perennial ryegrass	·I	AGS/WTM
	Melica californica	California melic	N	AGS
	Nassella lepida	foothill needlegrass	\mathbf{N}^{-}	AGS
	Nassella pulchra	purple needlegrass	N	AGS
•	Phalaris aquatica	Harding grass	I *	WTM/AGS
•	Polypogon monspelienis	rabbitfoot grass	I	WTM
	Taeniatherum aput-medusae	medusahead	I*	AGS
Polemoniaceae	Collomia heterophylla	varied-leaf collomia	N	AGS
Polygonaceae	Polygonum arnastrum	common knotweed	I	AGS/WTM
	Rumex acetosella	sheep sorrel	· I	AGS
	Rumex pulcher	fiddle dock	• • • • • • • • • • • • • • • • • • • •	AGS/WTM

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Polypodiaceae	Polypodium calirhiza	Polypody fern	Ν	COW
Portulacaceae	Claytonia perfoliata	miner's lettuce	N	COW
Primulaceae	Anagallis arvensis	scarlet pimpernel	I	WTM
Pteridaceae	Adiantum jordanii	California maidenhair fern	N	COW/MRI
Řhamnaceae	Rhamnus californica	California coffeeberry	N	MRI
Rosaceae	Frageria vesca	wood strawberry	N	COW
	Heteromeles arbutifolia	toyon	N	MRI
	Holodiscus discolor	creambush	Ň	MRI
	Prunus sp.	wild plum	I	RES/MRI
	Physocarpos capitatus	ninebark	N	MRI
	Pyracantha angustifolia	fire thorn	I	RES
	Rosa californica	California wild rose	N	AGS/WTM/MRI
	Rosa gymnocarpa	wood rose	N	COW
	Rubus discolor	Himalayan blackberry	I*	RES/MRI/WTM
	Rubus leucodermis	western raspberry	\mathbf{N}	MRI
	Rubus ursinus	California blackberry	N	COW/MRI/WTM
Rubiaceae	Galium aparine	goose-grass	I .	COW
	Galium californicum	California bedstraw	N	COW
Salicaceae	Salis exigua	sandbar willow	N	MRI
	Salix lasiolepis	arroyo willow	N	MRI/WTM
	Populus fremontii	Fremont cottonwood	N	MRI
	Populus nigra	Lombardy popular	I	RES
Scrophulariaceae	Bellardia trixago	Bellardia	I	AGS

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FAMILY	SPECIES	COMMON NAME	NATIVE=N INTRODUCED=I I* = Invasive	HABITAT TYPE KEY: AGS: Annual Grassland COW: Coastal Oak Woodland MRI: Montane Riparian WTM: Wet Meadow RES: Residential
Scrophulariaceae	e Castilleja attenuata	valley tassels	N	AGS
(cont.)	Castilleja densiflora	owl's clover	N	AGS
	Mimulus aurantiacus	northern sticky monkeyflower	N	COW
	Mimulus cardinalis	scarlet monkeyflower	N	WTM
	Mimulus guttatus	large monkeyflower	N	WTM
	Scrophularia californica	bee-plant	N	WTM
,	Triphysaria pusilla	dwarf owl's clover	N	AGS
	Veronica persica	Persian speedwell	Ι	WTM
Taxodiaceae	Sequoia sempervirens	coast redwood	N	RES
Typhaceae	Typha latifolia	cattail	N	WTM
Urticaceae	Urtica dioica	stinging nettle	N	MRI
Viscaceae	Phoradendron villosum	oak mistletoe	N	COW

