

# Plants Observed on Greenway May to July 2012

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The nomenclature for the list of plants found on the project study areas and the immediate vicinity follows: Brodo, Irwin M., Sylvia Duran Sharnoff and Stephen Sharnoff, 2001, for the lichens; G. M. Smith -1956, for the algae; Arora -1985, for the fungi; S. Norris and Shevrock - 2004, for the mosses; Doyle and Stotler - 2006 for liverworts and hornworts and Baldwin, B.G., D.H. Goldman, D.J.Keil, R.Patterson, T.J.Rosati, and D.H.Wilkens, editors, 2012 - for the vascular plants.

**Habitat type** indicates the general associated occurrence of the taxon on the project site or in nature.

**Abundance** refers to the relative number of individuals on the project site or in the region.

| <b><u>MAJOR PLANT GROUP</u></b> |                    |                     |                  |
|---------------------------------|--------------------|---------------------|------------------|
| <b>Family</b>                   | <b>Genus</b>       | <b>Habitat Type</b> | <b>Abundance</b> |
|                                 | <b>Common Name</b> |                     |                  |

NCN = No Common Name, \* = Non-native, @= Voucher Specimen

## **CYANOBACTERIA**

|                    |         |        |
|--------------------|---------|--------|
| <i>Nostoc</i> ssp. | On Soil | Common |
| NCN                |         |        |

## **FUNGI**

### **Basidiomycota- Club Fungi**

#### **POLYPORACEAE**

|                              |           |        |
|------------------------------|-----------|--------|
| <i>Schizophyllum commune</i> | Dead Wood | Common |
| Split-gill                   |           |        |

## **FUNGI**

### **Ascomycota - Sac Fungi**

#### **DALDINEACEAE**

|                         |                        |        |
|-------------------------|------------------------|--------|
| <i>Daldinia grandis</i> | Woodlands on Dead Wood | Common |
| Carbon Balls            |                        |        |

## **MOSSES**

#### **MINACEAE**

|                                              |                                    |        |
|----------------------------------------------|------------------------------------|--------|
| <i>Alsia californica</i> (W.J.Hooker&Arnott) | Sullivant Coastal Forests On Trees | Common |
| NCN                                          |                                    |        |

|                                           |           |        |
|-------------------------------------------|-----------|--------|
| <i>Dendroalsia abietina</i> (Hook.) Brit. | Woodlands | Common |
| NCN                                       |           |        |

|                                         |                                             |        |
|-----------------------------------------|---------------------------------------------|--------|
| <i>Homalothecium nuttallii</i> (Wilson) | Jaeger Epiphytic on Trees Near Coast-Inland | Common |
| NCN                                     |                                             |        |

|                                          |                         |        |
|------------------------------------------|-------------------------|--------|
| <i>Orthotrichum lyellii</i> Hook & Tayl. | Woodlands, Upper Canopy | Common |
| NCN                                      |                         |        |

|                                                 |                            |        |
|-------------------------------------------------|----------------------------|--------|
| <i>Pseudobraunia californica</i> (Lesq.) Broth. | Woodlands on Base of Trees | Common |
|-------------------------------------------------|----------------------------|--------|

|                                              |                            |        |
|----------------------------------------------|----------------------------|--------|
| NCN                                          | Also on rocks or cut banks |        |
| <i>Scleropodium touretii</i> (Brid.) L Koch. | Woodlands                  | Common |
| NCN                                          |                            |        |

## **LICHENS**

### **FOLIOSE**

|                                                                      |                     |        |
|----------------------------------------------------------------------|---------------------|--------|
| <i>Flavoparmelia caperata</i> (L.) Hale                              | On Oaks             | Common |
| NCN                                                                  |                     |        |
| <i>Flavopunctilia flaventor</i> (Stirt.) Hale                        | On Oaks             | Common |
| NCN                                                                  |                     |        |
| <i>Parmelia sulcata</i> Taylor                                       | On Oaks             | Common |
| NCN                                                                  |                     |        |
| <i>Physcia adscendens</i> (Fr.) H. Olivier                           | On Oaks             | Common |
| NCN                                                                  |                     |        |
| <i>Physconia isidiigera</i> (Zahlbr.) Essl                           | Oak Limbs, Rocks    | Common |
| Bottle Brush Frost Lichen                                            |                     |        |
| <i>Xanthomendoza fallax</i> (Hepp) Søchting, Kärnefelt & S. Y. Kondr | On Oaks             | Common |
| NCN                                                                  |                     |        |
| <i>Xanthoparmelia mexicana</i> (Gyeln.) Hale                         | On Rocks            | Common |
| NCN                                                                  |                     |        |
| <i>Xanthoria polycarpa</i> (Hoffm.) Rieber                           | On Oaks Young Twigs | Common |
| Pin-cushion Sunburst Lichen                                          |                     |        |

### **FRUTICOSE**

|                                                  |                  |            |
|--------------------------------------------------|------------------|------------|
| @ <i>Cladonia asahinae</i> J. W. Thomson         | On Rocks wMosses | Occasional |
| Pixie-cup Lichen                                 |                  |            |
| <i>Evernia prunastri</i> (L.) Ach.               | On Oaks          | Common     |
| NCN                                              |                  |            |
| <i>Ramalina farinacea</i> (L.) Ach.              | On Oaks          | Common     |
| NCN                                              |                  |            |
| <i>Ramalina menziesii</i> Taylor non Tuck.       | On Oaks          | Common     |
| Lace Lichen, Old Man's Beard                     |                  |            |
| <i>Teloschistes chrysophthalmus</i> (L.) Th. Fr. | On Oaks          | Common     |
| NCN                                              |                  |            |
| <i>Teloschistes exilis</i> (Michx.) Vain.        | On Dead Branches | Rare       |
| NCN                                              |                  |            |
| <i>Usnea intermedia</i> = <i>U. arizonica</i>    | On Oaks          | Common     |
| NCN                                              |                  |            |

### **CRUSTOSE**

|                                                            |                |        |
|------------------------------------------------------------|----------------|--------|
| <i>Buellia</i> ssp.                                        | On Oaks        | Common |
| NCN                                                        |                |        |
| <i>Leconora muralis</i> (Schreb.) Rabenh.                  | On Rocks       | Common |
| NCN                                                        |                |        |
| <i>Leicidia atrobrunnea</i> (Ramond ex Lam. & DC.) Schaer. | On Rocks       | Common |
| NCN                                                        |                |        |
| <i>Ochrolechia orgonensis</i> H. Magn.                     | On Bark        | Common |
| NCN                                                        |                |        |
| <i>Thelomma occidentale</i> (Herre) Tibell                 | On Fence Posts | Common |

**VASCULAR PLANTS DIVISION CONIFEROPHYTA--GYMNOSPERMS****PINACEAE**

|                              |                       |            |
|------------------------------|-----------------------|------------|
| * <i>Pinus radiata</i> D.Don | Domestic Introduction | Occasional |
| Monterey Pine                |                       |            |

|                     |                       |            |
|---------------------|-----------------------|------------|
| * <i>Pinus</i> spp. | Domestic Introduction | Occasional |
| Pine                |                       |            |

**TAXODIACEAE**

|                                           |                         |            |
|-------------------------------------------|-------------------------|------------|
| <i>Sequoia sempervirens</i> (D.Don) Endl. | Coastal Forests Planted | Occasional |
| Redwood                                   |                         |            |

**VASCULAR PLANTS DIVISION ANTHOPHYTA --ANGIOSPERMS****CLASS--DICOTYLEDONAE- TREES****MAGNOLIIDS****LAURACEAE**

|                                                          |                       |            |
|----------------------------------------------------------|-----------------------|------------|
| <i>Umbellularia californica</i> (Hook.&Arn.) Nutt.       | Conifer&Oak Woodlands | Occasional |
| California Laurel, Sweet Bay, Pepperwood, California Bay |                       |            |

**EUDICOTS****BETULACEAE Birch Family**

|                                |          |        |
|--------------------------------|----------|--------|
| <i>Alnus rhombifolia</i> Nutt. | Riparian | Common |
| White Alder                    |          |        |

**FABACEAE Legume Family**

|                               |                     |        |
|-------------------------------|---------------------|--------|
| * <i>Acacia dealbata</i> Link | Naturalized Ruderal | Common |
| Silver Wattle-Acacia          |                     |        |

|                                  |                     |        |
|----------------------------------|---------------------|--------|
| * <i>Robinia pseudoacacia</i> L. | Naturalized Ruderal | Common |
| Black Locust                     |                     |        |

**FAGACEAE Oak Family**

|                              |           |        |
|------------------------------|-----------|--------|
| <i>Quercus agrifolia</i> Nee | Woodlands | Common |
| Live Oak                     |           |        |

|                                                                                |           |        |
|--------------------------------------------------------------------------------|-----------|--------|
| <i>Quercus eplingii</i> C. H. Mull                                             | Woodlands | Common |
| Hybrid (Blue Oak <i>Q. douglasii</i> x <i>Q. garryana</i> x <i>Q. lobata</i> ) |           |        |

|                               |           |            |
|-------------------------------|-----------|------------|
| <i>Quercus garryana</i> Hook. | Woodlands | Occasional |
| Oregon Oak                    |           |            |

|                                |           |            |
|--------------------------------|-----------|------------|
| <i>Quercus kelloggii</i> Newb. | Woodlands | Occasional |
| Black Oak                      |           |            |

|                            |                   |        |
|----------------------------|-------------------|--------|
| <i>Quercus lobata</i> Nee. | Valley Grasslands | Common |
| Valley Oak                 |                   |        |

|                                  |         |            |
|----------------------------------|---------|------------|
| <i>Quercus wislizenii</i> A.D.C. | Planted | Occasional |
| Interior Live Oak                |         |            |

**JUGLANDACEAE Walnut Family**

|                                                                                       |                      |            |
|---------------------------------------------------------------------------------------|----------------------|------------|
| <i>Juglans hindsii</i> R. E. Sm.                                                      | Escape from Roostock | Occasional |
| N. C Black Walnut (used rootstock for <i>J. regia</i> may be <i>Juglans nigra</i> L.) |                      |            |

|                           |                  |        |
|---------------------------|------------------|--------|
| * <i>Juglans regia</i> L. | Cultivated Graft | Common |
| English Walnut            |                  |        |

**MYRTACEAE Myrtle family**

|                                     |                |            |
|-------------------------------------|----------------|------------|
| * <i>Eucalyptus globulus</i> Labill | Ruderal Escape | Occasional |
| Blue Gum                            |                |            |

|                                                           |                                 |            |
|-----------------------------------------------------------|---------------------------------|------------|
| OLEACEAE Olive Family                                     |                                 |            |
| <i>Fraxinus latifolia</i> Benth.                          | Drainage Courses                | Occasional |
| Oregon Ash                                                |                                 |            |
| * <i>Ligustrum</i> ssp.                                   | Domestic Ruderal                | Occasional |
| Privet                                                    |                                 |            |
| * <i>Olea europaea</i> L.                                 | Domestic Ruderal                | Occasional |
| Olive                                                     |                                 |            |
| PLATANACEAE Sycamore Family                               |                                 |            |
| * <i>Platanus acerifolia</i> Wild                         | Domestic Introduction           | Occasional |
| London Plane Tree, Sycamore                               |                                 |            |
| ROSACEAE Rose Family                                      |                                 |            |
| * <i>Crataegus monogyna</i> Jacq.                         | Naturalized Escape In Wetland   | Occasional |
| Hawthorn (Note Long Thorns)                               |                                 |            |
| * <i>Malus sylvestris</i> Mill.                           | Escape                          | Occasional |
| Apple                                                     |                                 |            |
| * <i>Prunus domestica</i> L.                              | Escape, Ruderal                 | Occasional |
| Prune                                                     |                                 |            |
| * <i>Prunus armeniaca</i> L.                              | Escape or Domestic              | Occasional |
| Apricot                                                   |                                 |            |
| * <i>Prunus cerasifera</i> Ehrh.                          | Escape, Ruderal                 | Occasional |
| Cherry Plum                                               |                                 |            |
| * <i>Prunus persica</i> (L.) Batsch                       | Domestic                        | Occasional |
| Peach                                                     |                                 |            |
| * <i>Prunus persica</i> (L.) Batsch var. <i>nectarina</i> | Domestic                        | Occasional |
| Nectarine                                                 |                                 |            |
| * <i>Prunus avium</i> L.                                  | Domestic                        | Occasional |
| Cherry                                                    |                                 |            |
| * <i>Pyrus communis</i> (L.)                              | Escape or Domestic              | Occasional |
| Pear                                                      |                                 |            |
| SALICACEAE Willow Family                                  |                                 |            |
| * <i>Populus alba</i>                                     | Domestic Introduction           | Occasional |
| Silver Poplar, White Poplar                               |                                 |            |
| <i>Populus fremontii</i> S. Watson ssp. <i>fremontii</i>  | Riparian                        | Occasional |
| Fremont Cottonwood                                        |                                 |            |
| * <i>Populus nigra</i> L.                                 | Domestic Introduction           | Occasional |
| Lombardy Poplar                                           |                                 |            |
| * <i>Salix babylonica</i> L.                              | Cultivated                      | Occasional |
| Weeping Willow                                            |                                 |            |
| <i>Salix exigua</i> Nutt. var. <i>exigua</i>              | Riparian                        | Common     |
| Narrow-leaved Willow, Sandbar Willow                      |                                 |            |
| <i>Salix laevigata</i> Bebb.                              | Riparian                        | Common     |
| Red Willow                                                |                                 |            |
| @ <i>Salix lasiandra</i> Benth. var. <i>lasiandra</i>     | Wetlands                        | Common     |
| Pacific Willow, Yellow Willow, Shining Willow             |                                 |            |
| SAPINDACEAE Soapberry Family                              |                                 |            |
| <i>Acer macrophyllum</i> Prush                            | Riparian, Stream Banks, Canyons | Common     |
| Big-leaf Maple                                            |                                 |            |

|                                                                 |                     |            |
|-----------------------------------------------------------------|---------------------|------------|
| <i>Aesculus californica</i> (Spach) Nutt.<br>California Buckeye | Woodlands, Riparian | Common     |
| ULMACEAE Elm Family                                             |                     |            |
| * <i>Ulmus americana</i><br>Elm                                 | Domestic Escape     | Occasional |

**VASCULAR PLANTS DIVISION ANTHOPHYTA --ANGIOSPERMS**  
**CLASS--DICOTYLEDONAE-SHRUBS AND WOODY VINES**

**EUDICOTS**

|                                                                                                                          |                              |            |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------|------------|
| ADOXACEAE Muskroot Family                                                                                                |                              |            |
| <i>Sambucus nigra</i> subsp <i>caerulea</i> (Raf.) Bolli<br>Blue Elderberry (= <i>S. mexicana</i> , <i>S. caerulea</i> ) | Shrub/Scrub                  | Occasional |
| ANACARDIACEAE Sumac Family                                                                                               |                              |            |
| <i>Toxicodendron diversilobum</i> (Torry&Gray)<br>Poison Oak                                                             | E.Green Woodlands            | Common     |
| APOCYANACEAE Dogbane Family                                                                                              |                              |            |
| * <i>Nerium oleander</i> L.<br>Oleander                                                                                  | Domestic Introduction        | Common     |
| * <i>Vinca major</i> L.<br>Periwinkle                                                                                    | Woodlands, Riparian, Ruderal | Common     |
| ARALIACEAE Ginseng Family                                                                                                |                              |            |
| * <i>Hedra helix</i> L.<br>English Ivy                                                                                   | Ruderal                      | Occasional |
| ASTERACEAE (Compositae) Sunflower Family                                                                                 |                              |            |
| <i>Baccharis pilularis</i> deCandolle<br>Coyote Brush                                                                    | Woodlands, Grasslands        | Common     |
| CACTACEAE Cactus Family                                                                                                  |                              |            |
| * <i>Opuntia ficus-indica</i> (L.) Miller<br>Indian-Fig Burbank's Spineless Prickly Pear                                 | Escape                       | Common     |
| CAPRIFOLIACEAE Honeysuckle Family                                                                                        |                              |            |
| <i>Symphoricarpos mollis</i> Nuttall<br>Creeping Snowberry, Trip Vine                                                    | Woodlands                    | Common     |
| ELAEAGNACEAE Oleaster Family                                                                                             |                              |            |
| * <i>Elaeagnus angustifolia</i> L.<br>Russain Olive                                                                      | Ruderal Escape               | Occasional |
| FABACEAE (Leguminosae) Legume Family                                                                                     |                              |            |
| * <i>Genista monspessulana</i> (L.) Johnson<br>Broom, French Broom                                                       | Woodlands                    | Common     |
| ROSACEAE Rose Family                                                                                                     |                              |            |
| @* <i>Cotoneaster hodjingsensis</i> G.Koltz<br>Earthquake Cotoneaster                                                    | Ruderal Escape               | Occasional |
| * <i>Pyracantha angustifolia</i> (Franc.) C.Schnei.<br>Firethorn                                                         | Ruderal                      | Occasional |
| <i>Rosa gymnocarpa</i> Nuttall.<br>Wood Rose                                                                             | Woodlands                    | Occasional |
| * <i>Rubus armeniacus</i> Focke<br>Himalayan Blackberry                                                                  | Ruderal                      | Common     |

VITACEAE Grape Family

*Vitis vinifera* L.

Grape

Domestic Introduction

Occasional

**VASCULAR PLANTS DIVISION ANTHOPHYTA --ANGIOSPERMS**

**CLASS--DICOTYLEDONAE-HERBS**

**EUDICOTS**

APIACEAE (Umbelliferae) Carrot Family

\**Dacus carota* L.

Ruderal Grasslands

Common

Wild Carrot, Queen Anne's Lace

\**Foeniculum vulgare* Mill.

Ruderal

Occasional

Fennel

*Sanicula crassicaulis* DC.

Woodlands

Common

Pacific Sanicle

\**Torilis arvensis* (Huds.) Link

Grasslands Woodlands

Common

Hedge-parsley

ASTERACEAE (Compositae) Sunflower Family

*Agoseris heterophylla* (Nutt.) Green

Ruderal

Occasional

Annual Agoseris

\**Carduus pycnocephalus* L. subsp. *pycnocephalus*

Woodlands

Common

Italian Thistle

\**Centaurea solstitialis* L.

Grasslands, Ruderal

Common

Yellow Star Thistle

\**Cichorium intybus* L.

Ruderal

Occasional

Chicory

*Circium occidentale* (Nutt.) Jeps. var. *occidentale*

Grasslands, Oak Woodland

Common

Cobwebby Thistle

\**Circium vulgare* (Savi) Ten.

Grasslands, Ruderal

Common

Bull Thistle

\**Helminthotheca echioides* (L.) Holub

Ruderal

Common

Ox-tongue (= *Picris echioides*)

\**Hypochaeris glabra* L.

Ruderal

Common

Cat's Ear

\**Hypochaeris radicata* L.

Ruderal

Common

Harry Cat's Ear

\**Lactuca serriola* L.

Ruderal

Occasional

Prickly Lettuce

\**Logifa gallica* (L.) Cros&Germ

Ruderal Grasslands

Occasional

Herba Impa, Daggerleaf Cottonrose (= *Filago gallica*)

*Psilocarphus tenellus* Nutt.

Dry Areas, Ruderal

Occasional

Dwarf Woolly-marbles

\**Senecio vulgaris* L.

Ruderal

Occasional

NCN

\**Silybum marianum* (L.) Gaertn.

Ruderal

Common

Milk Thistle

\**Sonchus asper* (L.) Hill var. *asper*

Ruderal

Common

Prickly Sow Thistle

\**Sonchus oleraceus* L.

Ruderal

Common

|                                                             |                                  |            |
|-------------------------------------------------------------|----------------------------------|------------|
| Common Sow Thistle                                          |                                  |            |
| * <i>Taraxacum officinale</i> F.H.Wigg                      | Ruderal                          | Common     |
| Dandelion                                                   |                                  |            |
| * <i>Tragopogon porrifolius</i> L.                          | Grasslands                       | Occasional |
| Salsify                                                     |                                  |            |
| <i>Wyethia glabra</i> A.Gray                                | Edge of Woodlands                | Occasional |
| Coast Mules Ears                                            |                                  |            |
| BORAGINACEAE Borage or Waterleaf Family                     |                                  |            |
| <i>Amsinckia menziesii</i> (Lehm) Nelson&Macbr.             | Grasslands                       | Occasional |
| Rancher's Fireweed                                          |                                  |            |
| <i>Cyanoglossum grande</i> Lehm.                            | Woodlands                        | Common     |
| Hound's Tongue                                              |                                  |            |
| BRASSICACEAE Mustard Family                                 |                                  |            |
| * <i>Hirschfeldia incana</i> (L.) Lagr.-Fossat              | Ruderal                          | Common     |
| Summer Mustard                                              |                                  |            |
| * <i>Raphanus sativus</i> L.                                | Ruderal                          | Common     |
| Wild Radish                                                 |                                  |            |
| <i>Rorippa palustris</i> L. var. <i>occidentalis</i>        | Stream-beds and Sand Bars        | Occasional |
| Water Cress                                                 |                                  |            |
| CARYOPHYLLACEAE Pink Family                                 |                                  |            |
| * <i>Silene gallica</i> L.                                  | Ruderal/Grasslands/oak Woodlands | Occasional |
| Small Flower Catchfly Windmill Pink                         |                                  |            |
| * <i>Sperigula arvensis</i> L.                              | Ruderal                          | Common     |
| Stickwort, Starwort                                         |                                  |            |
| CHENOPODIACEAE Goosfoot Family                              |                                  |            |
| * <i>Chenopodium album</i> L.                               | Ruderal                          | Common     |
| Lamb's Quarters, Pigweed                                    |                                  |            |
| CONVOLVULACEAE Morning-glory Family                         |                                  |            |
| <i>Convolvulus arvensis</i> L.                              | Grasslands                       | Common     |
| Morning-glory, Bindweed                                     |                                  |            |
| CUCURBITACEAE Gourd Family                                  |                                  |            |
| <i>Marah oregana</i> (S.Watson) Howell                      | Grassland, Edge of Woodlands     | Occasional |
| Wild Cucumber, Man-root                                     |                                  |            |
| DIPSACACEAE Teasel Family                                   |                                  |            |
| * <i>Dipsacus sativus</i> L.                                | Wetlands                         | Common     |
| Fuller's Teasel                                             |                                  |            |
| EUPHORBIACEAE Spurge Family                                 |                                  |            |
| <i>Croton setigerus</i> Hook.                               | Ruderal                          | Common     |
| Turkey Mullein, Dove Weed (= <i>Eremocarpus setigerus</i> ) |                                  |            |
| FABACEAE (Leguminosae) Legum Family                         |                                  |            |
| <i>Lathyrus lanszwertii</i> Kellogg var. <i>tracyi</i>      | Open Dry Conifer Woodland        | Occasional |
| NCN                                                         |                                  |            |
| <i>Lupinus nanus</i> Benth.                                 | Grasslands                       | Occasional |
| Sky Lupine                                                  |                                  |            |
| * <i>Medicago arabica</i> (L.) Huds                         | Ruderal                          | Common     |
| Spotted Bur Clover                                          |                                  |            |

|                                                                                  |                                   |            |
|----------------------------------------------------------------------------------|-----------------------------------|------------|
| * <i>Medicago polymorpha</i> L.<br>California Bur Clover                         | Ruderal, Grasslands               | Common     |
| * <i>Trifolium hirtum</i> All.<br>Rose Clover                                    | Ruderal                           | Common     |
| <i>Vicia americana</i> Wild. subsp. <i>americana</i><br>American Vetch           | Woodlands                         | Common     |
| * <i>Vicia sativa</i> L. subsp. <i>nigra</i><br>Narrow Leaved-vetch              | Grasslands, Ruderal               | Common     |
| GERANIACEAE Geranium Family                                                      |                                   |            |
| * <i>Erodium botrys</i> (Cav.) Bertol.<br>Broadleaf Filaree, Long-beaked Filaree | Grasslands                        | Common     |
| * <i>Erodium cicutarium</i> (L.) Aiton<br>Red-stemmed Filaree                    | Grasslands                        | Common     |
| * <i>Geranium dissectum</i> L.<br>Common Geranium                                | Grasslands                        | Common     |
| * <i>Geranium molle</i> L.<br>Dove's Foot Geranium                               | Grasslands                        | Common     |
| LAMIACEAE (Labiatae) Mint Family                                                 |                                   |            |
| * <i>Mentha pulegium</i> L.<br>Pennyroyal                                        | Ruderal                           | Occasional |
| * <i>Mentha spicata</i> L.<br>Peppermint                                         | Palustrine, Escape                | Occasional |
| <i>Stachys ajugoides</i> Benth.<br>Hedge-nettle                                  | Moist Open Places                 | Occasional |
| LIMNANTHACEAE Meadofoam Family                                                   |                                   |            |
| <i>Floerkea proserpinacoides</i> Willd.<br>NCN                                   | Moist, Grasslands, Open Woodlands | Occasional |
| MALVACEAE Mallow Family                                                          |                                   |            |
| * <i>Malva parviflora</i> L.<br>Cheeseweed, Mallow                               | Ruderal                           | Common     |
| * <i>Malva neglecta</i> Wallr.<br>Common Mallow                                  | Ruderal                           | Common     |
| <i>Malvella leprosa</i> (Ortega) Krapov.<br>Alkali Mallow                        | Ruderal                           | Common'    |
| MONTIACEAE Miner's lettuce Family                                                |                                   |            |
| <i>Claytonia perfoliata</i> Willd. ssp. <i>perfoliata</i><br>Miners Lettuce      | Woodlands, Riparian               | Common     |
| ONAGRACEAE Evening-primrose Family                                               |                                   |            |
| <i>Epilobium ciliatum</i> Raf. Subsp. <i>ciliatum</i><br>Northern Willow Herb    | Ruderal                           | Common     |
| OROBANCHACEAE Broomrape Family                                                   |                                   |            |
| * <i>Parentucellia viscosa</i> (L.) Caruel<br>Yellow Parentucellia               | Grasslands                        | Common     |
| PAPAVERACEAE Poppy Family                                                        |                                   |            |
| <i>Eschscholzia californica</i> Cahm.<br>California Poppy                        | Grasslands                        | Common     |
| PLANTAGINACEAE Plantain Family                                                   |                                   |            |
| * <i>Kickxia spuria</i> (L.) Dumort.                                             | Ruderal                           | Occasional |



|                                                         |                                  |            |
|---------------------------------------------------------|----------------------------------|------------|
| Fluellin                                                |                                  |            |
| * <i>Plantago lanceolata</i> L.                         | Ruderal                          | Common     |
| English Plantain                                        |                                  |            |
| POLYGONACEAE Buckwheat Family                           |                                  |            |
| <i>Persicaria lapathifolia</i> (L.) Gray                | Moist Areas                      | Common     |
| Willow Weed (= <i>Polygonum</i> )                       | Need flowers to verify           |            |
| * <i>Polygonum aviculare</i> L. subsp. <i>depressum</i> | Ruderal                          | Common     |
| Common Prostrate Knotweed (= <i>P. arenastrum</i> )     |                                  |            |
| * <i>Rumex acetosella</i> L.                            | Ruderal                          | Common     |
| Sheep Sorrel                                            |                                  |            |
| * <i>Rumex crispus</i> L.                               | Ruderal                          | Common     |
| Curly Dock                                              |                                  |            |
| RANUNCULACEAE Buttercup Family                          |                                  |            |
| <i>Ranunculus occidentalis</i> Nutt.                    | Grasslands, Open Areas Woodlands | Occasional |
| Western Buttercup                                       |                                  |            |
| <i>Ranunculus californicus</i> Benth.                   | Grasslands, Woodlands            | Occasional |
| Buttercup                                               |                                  |            |
| RUBIACEAE Madder Family                                 |                                  |            |
| <i>Galium aparine</i> L.                                | Woodlands, Riparian, Ruderal     | Common     |
| Goose Grass                                             |                                  |            |
| @* <i>Sherardia arvensis</i> L.                         | Grasslands, Ruderal              | Common     |
| Field Madder                                            |                                  |            |
| SCROPHULARIACEAE Figwort Family                         |                                  |            |
| <i>Scrophularia californica</i> Cham&Schltdl.           | Riparian, Ruderal, Chaparral     | Occasional |
| California Figwort                                      |                                  |            |
| * <i>Verbascum blattaria</i> L.                         | Ruderal                          | Occasional |
| Moth Mullein                                            |                                  |            |

**VASCULAR PLANTS DIVISION ANTHOPHYTA --ANGIOSPERMS**  
**CLASS--MONOCOTYLEDONAE--GRASSES**

|                                                         |                                |            |
|---------------------------------------------------------|--------------------------------|------------|
| POACEAE Grass Family                                    |                                |            |
| * <i>Aira caryophylla</i> L.                            | Grassland                      | Common     |
| Silver European Hairgrass                               |                                |            |
| * <i>Avena barbata</i> Link.                            | Grasslands                     | Common     |
| Slender Wild Oat                                        |                                |            |
| * <i>Avena fatua</i> L.                                 | Grasslands                     | Occasional |
| Wild Oat                                                |                                |            |
| * <i>Avena sativa</i> L.                                | Grasslands, Ruderal            | Occasional |
| Cultivated Oat                                          |                                |            |
| * <i>Briza maxima</i> L.                                | Grasslands, Ruderal            | Common     |
| Large Quaking Grass, Rattlesnake Grass                  |                                |            |
| * <i>Briza minor</i> L.                                 | Grasslands, Ruderal            | Common     |
| Small Quaking Grass                                     |                                |            |
| <i>Bromus carinatus</i> Hook& Arn.var. <i>carinatus</i> | Grasslands, Woodlands, Ruderal | Common     |
| California Brome                                        |                                |            |
| * <i>Bromus diandrus</i> Roth                           | Ruderal, Grasslands            | Common     |

|                                                                        |                                 |            |
|------------------------------------------------------------------------|---------------------------------|------------|
| Ripgut Grass                                                           |                                 |            |
| * <i>Bromus hordeaceus</i> L.                                          | Grasslands                      | Common     |
| Soft Chess, Blando Brome                                               |                                 |            |
| <i>Bromus laevipes</i> Shear                                           | Conifer Forests                 | Common     |
| Forest Brome                                                           |                                 |            |
| * <i>Cortaderia selloana</i> (Schulth.&Schulth) Asch&Graebn            | Ruderal                         | Occasional |
| Pampas Grass                                                           |                                 |            |
| * <i>Cynodon dactylon</i> (L.) Pers.                                   | Ruderal                         | Common     |
| Bermuda Grass                                                          |                                 |            |
| * <i>Cynosurus echinatus</i> L.                                        | Ruderal                         | Common     |
| Hedgehog, Dogtail                                                      |                                 |            |
| * <i>Dactylis glomerata</i> L.                                         | Grasslands                      | Occasional |
| Orchard Grass                                                          |                                 |            |
| @ <i>Danthonia californica</i> Bol.                                    | Moist Open Forests, Grasslands  | Occasional |
| Oatgrass                                                               |                                 |            |
| * <i>Echinochloa crus-galli</i> (L.) Beauv.                            | Ruderal                         | Occasional |
| Barnyard Grass                                                         |                                 |            |
| <i>Elymus glaucus</i> Buckley ssp. <i>glaucus</i>                      | Woodlands                       | Common     |
| Blue Wildrye                                                           |                                 |            |
| <i>Elymus triticoides</i> Buckley                                      | Grasslands, Moist               | Occasional |
| Beardless Ryegrass (= <i>Leymus triticoides</i> )                      |                                 |            |
| * <i>Festuca bromoides</i> L.                                          | Ruderal, Moist Flats become Dry | Common     |
| Six-weeks Fescue (= <i>Vulpia bromoides</i> )                          |                                 |            |
| <i>Festuca microstachys</i> Nutt.                                      | Grasslands, Ruderal             | Common     |
| NCN (= <i>Vulpia microstachys</i> )                                    |                                 |            |
| * <i>Festuca myuros</i> L.                                             | Grasslands                      | Common     |
| Rattail Fescue, Zorro Annual Fescue (= <i>Vulpia myuros</i> )          |                                 |            |
| * <i>Festuca perennis</i> (L.) Columbus& Sm.                           | Grasslands                      | Common     |
| Perennial Rye Grass (= <i>Lolium multiflorum</i> , <i>L. perenne</i> ) |                                 |            |
| * <i>Holcus lanatus</i> L.                                             | Grasslands, Ruderal             | Common     |
| Velvet Grass                                                           |                                 |            |
| <i>Hordeum brachyantherum</i> Nevski subsp. <i>brachyantherum</i>      | Moist Areas                     | Occasional |
| Meadow Barley                                                          |                                 |            |
| <i>Hordeum depressum</i> (Scribn.&Sm.) Rydb                            | Grasslands                      | Occasional |
| Low Barley                                                             |                                 |            |
| * <i>Hordeum murinum</i> Huds. subsp. <i>leporinum</i>                 | Grasslands                      | Common     |
| Farmers Foxtail                                                        |                                 |            |
| <i>Melica torreyana</i> Schribn.                                       | Woodlands                       | Occasional |
| Torrey's Melic                                                         |                                 |            |
| * <i>Phalaris aquatica</i> L.                                          | Grasslands                      | Common     |
| Harding Grass                                                          |                                 |            |
| * <i>Poa annua</i> L.                                                  | Grasslands                      | Common     |
| Annual Bluegrass                                                       |                                 |            |
| * <i>Polypogon monspeliensis</i> (L.) Desf.                            | Wetlands                        | Common     |
| Rabbitfoot Grass, Annual Beard Grass                                   |                                 |            |
| <i>Stipa ceruna</i> Stebbins&Love                                      | Grasslands, Chaparral           | Common     |
| Nodding Needle Grass (= <i>Nassella ceruna</i> )                       |                                 |            |

|                                                  |                                     |        |
|--------------------------------------------------|-------------------------------------|--------|
| <i>Stipa pulchra</i> Hitchc.                     | Oak Woodland, Grasslands, Chaparral | Common |
| Purple Needle Grass (= <i>Nassella pulchra</i> ) |                                     |        |

**VASCULAR PLANTS DIVISION ANTHOPHYTA --ANGIOSPERMS**

**CLASS--MONOCOTYLEDONAE-SEDGES AND RUSHES**

CYPERACEAE Sedge Family

|                                |                        |            |
|--------------------------------|------------------------|------------|
| <i>Caryx barbarae</i> Dewey    | Open Fields, Hillsides | Occasional |
| Santa Barbara Sedge            |                        |            |
| <i>Cyperus eragrostis</i> Lam. | Ruderal Moist Areas    | Common     |
| Nut-grass                      |                        |            |

JUNCACEAE

|                                           |                                   |        |
|-------------------------------------------|-----------------------------------|--------|
| * <i>Juncus effusus</i> L. <i>effusus</i> | Shorelines, Wet Pastures, Ruderal | Common |
| Rush                                      |                                   |        |

**VASCULAR PLANTS DIVISION ANTHOPHYTA --ANGIOSPERMS**

**CLASS--MONOCOTYLEDONAE-HERBS**

AGAVACEAE Century Plant Family

|                                                                      |                       |            |
|----------------------------------------------------------------------|-----------------------|------------|
| <i>Agave americana</i>                                               | Ruderal Cultivated    | Occasional |
| Century Plant                                                        |                       |            |
| <i>Chlorogalum pomeridianum</i> (DC.) Kunth var. <i>pomeridianum</i> | Woodlands, Grasslands | Common     |
| Soap Plant                                                           |                       |            |

ALISMATACEAE Water-plantain Family

|                                                     |         |        |
|-----------------------------------------------------|---------|--------|
| <i>Alisma triviale</i> Pursh                        | Aquatic | Common |
| Water Plantain (= <i>Alisma plantago-aquatica</i> ) |         |        |

ARACEAE Arum Family

|                                    |                 |            |
|------------------------------------|-----------------|------------|
| * <i>Arisaema atrorubens</i> Blume | Ruderal, Escape | Occasional |
| Jack-in-the-Pulpit                 |                 |            |

ASPHODELACEAE Asphodel Family

|                             |               |            |
|-----------------------------|---------------|------------|
| * <i>Aloe maculata</i> All. | Garden Escape | Occasional |
| Aloe                        |               |            |
| * <i>Aloe striata</i> Haw.  | Garden Escape | Occasional |
| Coral Aloe                  |               |            |

IRIDACEAE Iris Family

|                                   |                  |            |
|-----------------------------------|------------------|------------|
| * <i>Iris</i> ssp.                | Planted Cultivar | Occasional |
| Iris                              |                  |            |
| <i>Sisyrinchium bellum</i> Watson | Grasslands       | Common     |
| Blue-eyed Grass                   |                  |            |

THEMIDACEAE Brodiaea Family

|                                              |                            |            |
|----------------------------------------------|----------------------------|------------|
| <i>Dichelostemma capitatum</i> (Benth.) Wood | Grasslands, Open Woodlands | Occasional |
| Blue Dicks                                   |                            |            |
| <i>Dichelostemma congestum</i> (Sm) Kunth    | Grasslands                 | Occasional |
| Ookow                                        |                            |            |

TYPHACEAE Cat-tail Family

|                               |          |        |
|-------------------------------|----------|--------|
| <i>Typha angustifolium</i> L. | Riparian | Common |
| Narrow-leaved Cattail         |          |        |
| <i>Typha latifolia</i> L.     | Riparian | Common |

## Fauna Species Observed in the Vicinity of the Project Site

Peter Leveque (Santa Rosa Junior College) and Colin Talcroft

The nomenclature for the animals found on the project site and in the immediate vicinity follows: Mc Ginnis –1984, for the fresh water fishes; Stebbins -1985, for the reptiles and amphibians; and Udvardy and Farrand – 1998, for the birds; and Jameson and Peeters -1988 for the mammals.

### AMPHIBIA AND REPTILIA

#### ORDER

| Common Name | Genus | Observed |
|-------------|-------|----------|
|-------------|-------|----------|

#### ANURA

|           |                     |          |
|-----------|---------------------|----------|
| Tree Frog | <i>Hyla regilla</i> | Reported |
|-----------|---------------------|----------|

#### SQUAMATA

|                      |                                |   |
|----------------------|--------------------------------|---|
| Western Fence Lizard | <i>Sceloporus occidentalis</i> | X |
|----------------------|--------------------------------|---|

### AVES

#### ORDER

| Common Name | Genus | Observed |
|-------------|-------|----------|
|-------------|-------|----------|

#### AVES

|                         |                                |          |
|-------------------------|--------------------------------|----------|
| Acorn Woodpecker        | <i>Melanerpes formicivorus</i> | X        |
| Anna's Hummingbird      | <i>Calypte anna</i>            | X        |
| Bewick's Wren           | <i>Thyomanes bewickii</i>      | X        |
| Black Phoebe            | <i>Sayornis nigricans</i>      | X        |
| Bushtit                 | <i>Psaltiriparus minimus</i>   | X        |
| California/Brown Towhee | <i>Pipilo fuscus</i>           | X        |
| California Quail        | <i>Callipepla californica</i>  | X        |
| Canada Goose            | <i>Branta canadensis</i>       | Fly Over |
| Common Crow             | <i>Corvus brachyrhynchos</i>   | X        |
| Common Raven            | <i>Corvus corax</i>            | X        |
| Cooper's Hawk           | <i>Accipiter cooperii</i>      | X        |
| Eurasian Collared-Dove  | <i>Streptopelia decaocto</i>   | X        |
| Great Blue Heron        | <i>Ardea herodias</i>          | Fly Over |
| House Finch             | <i>Carpodacus mexicanus</i>    | X        |
| Lesser Goldfinch        | <i>Carduelis psaltria</i>      | X        |
| Mockingbird             | <i>Mimus polyglottos</i>       | X        |
| Mourning Dove           | <i>Zenaidura macroura</i>      | X        |
| Nuttall's Woodpecker    | <i>Picoides nuttallii</i>      | X        |
| Plain Titmouse          | <i>Parus inornatus</i>         | X        |
| Red-shouldered Hawk     | <i>Buteo lineatus</i>          | X        |
| Red-tailed Hawk         | <i>Cathartes aura</i>          | Call     |

|                         |                                |   |
|-------------------------|--------------------------------|---|
| Rock Dove, Pigeon       | <i>Columba livia</i>           | X |
| Rufous-sided Towhee     | <i>Pipilo erythrophthalmus</i> | X |
| Scrub Jay               | <i>Aphelocoma coerulescens</i> | X |
| Turkey Vulture          | <i>Cathartes aura</i>          | X |
| Western Bluebird        | <i>Sialia mexicana</i>         | X |
| White-breasted Nuthatch | <i>Sitta carolinensis</i>      | X |
| Wild Turkey             | <i>Meleagris gallopavo</i>     | X |

## MAMMALS

### ORDER

| Common Name                | Genus                           | Observed  |
|----------------------------|---------------------------------|-----------|
| <b>CARNIVORA</b>           |                                 |           |
| Coyote                     | <i>Canis latrans</i>            | Scat      |
| Feral House Cat            | <i>Felis catus</i>              | X         |
| Gray Fox                   | <i>Urocyon cinereoargenteus</i> | Scat      |
| Raccoon                    | <i>Procyon lotor</i>            | Scat      |
| <b>CERVIDAE</b>            |                                 |           |
| Black-tailed Deer          | <i>Odocoileus hemionus</i>      | Sight     |
| <b>LAGOMORPHA</b>          |                                 |           |
| Black-tailed Jackrabbit    | <i>Lepus californicus</i>       | Sight     |
| <b>MARSUPIALIA</b>         |                                 |           |
| Virginia Opossum           | <i>Didelphis virginiana</i>     | Sight     |
| <b>RODENTIA</b>            |                                 |           |
| California Ground Squirrel | <i>Citellus beecheyoi</i>       | Den/Sight |
| Pocket Gopher              | <i>Thomomys bottae</i>          | Sight     |