

## ***Plants of the Cosumnes River Preserve***



© 2006 Jennifer Buck  
(jenderbucket@gmail.com)

The Cosumnes River Preserve Virtual Herbarium is funded by the Calfed Bay Delta Program in partnership with the Information Center for the Environment at UC Davis and The Nature Conservancy. This document is for educational purposes only.

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated or through the Creative Commons License 2.5. Permission to use these photographs must be obtained from the copyright holder.

# Welcome to the Cosumnes River Preserve Virtual Herbarium

We hope that you find the information in this document helpful as you explore the Cosumnes River Preserve.

Information included in this document was compiled by [The Information Center for the Environment](#) from [Calphotos](#), [Calflora](#), [The Manzanita Project](#), [The Jepson Interchange](#), [The UC Davis Herbarium](#), many generous photographers as well staff at The Cosumnes River Preserve.

We have compiled information on each plant species known to occur at the preserve including photos, plant characteristics, blooming season, nativity, habitat, existence of a herbarium specimen at the UC Davis Herbarium, Cal IPC status (<http://www.cal-ipc.org>), CNPS rarity (<http://cnps.org/cnps/rareplants/>), as well as links for you to use to keep this information as up to date as possible. The v-herbarium is organized alphabetically by family and within each family by genus and species. The indexes, located at the end of the document, are ordered alphabetically by genus and common name.

*Species are organized based on current accepted nomenclature posted on the Jepson Interchange (August 2007). We retained family or species name in parentheses after the new accepted name (Example: New Name (Old Name)).*

**The Cosumnes River Preserve plant list is continuously updated as new species are identified and voucher specimens are submitted to “The Cosumnes River Preserve Plant Inventory” collection at the UC Davis Herbarium.**

***A special thanks to all contributing organizations and  
photographers. Thank you for your generosity!***

The Cosumnes River Preserve

<http://Cosumnes.org>, <http://www.nature.org>  
The Information Center for the Environment

<http://www.ice.ucdavis.edu>

Calfed Bay Delta Program

<http://calwater.ca.gov/>

The Jepson Interchange

<http://ucjeps.berkeley.edu/interchange.html>

The UC Davis Herbarium

<http://herbarium.ucdavis.edu/>

Calphotos

<http://calphotos.berkeley.edu/>

Calflora

<http://www.calflora.org/>

The Manzanita Project

<http://www.calacademy.org/research/library/manzanita/html/>

James M. Andre, Tom Annese, Sherry Ballard, Douglas Barbe, Arthur H. Bazell, M.D, Albert P. Bekker, Matt Below, Larry Blakely, BonTerra Consulting, , Margo Bors, Dr. Kenneth L. Bowles, Br. Alfred Brousseau, Saint Mary's College, Jennifer Buck, California Academy of Sciences, CDFG, Michael Charters, J. K. Clark, Rose Cooper, Gerald and Buff Corsi, Cosumnes River Preserve Interns, Joe DiTomaso, Bart and Susan Eisenberg, Dianne Fristrom, John Game, James B. Gratiot, Tina Haller, Dr. G Dallas and Margaret Hanna, George W. Hartwell, William R. Hewlett, Hitchcock, A.S. (rev. A. Chase), Ingrid B. Hogle, Beatrice F. Howitt, Rachel A. Hutchinson, Fred Hrusa, The Information Center for the Environment, George Jackson, Michelle M. Jensen, Nicholas J. Jensen, Charles E. Jones, Steven Kaune, Brad Kelley, Nick Kurzenko, Steve Matson, Brent Miller, Gary A. Monroe, Keir Morse, Donald Myrick, Julie Kierstead Nelson, Jo-Ann Ordano, Dr. Robert Thomas and Margaret Orr, Robert Potts, Robert E. Preston, Ph.D., John M. Randall, Barry A. Rice, Luigi Rignanese, Kurt Schaefer, Vince Scheidt, Gladys Lucille Smith, Doreen L. Smith, Forest & Kim Starr (USGS), Kristiaan Stuart, Dan Tanaglia - missouriplants.com, Adonis (Don) Tate, Dean Wm. Taylor, Ph.D, The Nature Conservancy, Steven Thorsted, UC-Kearney Ag Center, University of California Statewide IPM Program, USDA-NRCS PLANTS Database, Joshua H. Viers, Brother Eric Vogel, Lynn Watson, Charles Webber, John White, Dieter Wilken, and Carol W. Witham

# Table of Contents

<b>Species Information</b>	<b>1</b>
<b>Index by Scientific Name</b>	<b>476</b>
<b>Index by Common Name</b>	<b>490</b>

For information about the Cosumnes River Preserve  
please visit

<http://Cosumnes.org>

*Thanks to staff at ICE and TNC:*

*Joel Bonilla, Jennifer Buck, Claire Stouthamer, Betsy Harbert, Ingrid Hogle, Andrew Holguin, Rachel Hutchinson, Anne Jacobs, Michelle Jensen, Lisa Kashiwase, Elizabeth Lee, Whitney Miller, Jim Quinn, Josh Viers, Becky Waegell, Dave Waetjen and Nathan Weaver.*



Suggested Citation: Hutchinson, R A., J H. Viers, J F. Quinn. 2007. Plants of the Cosumnes River Preserve Virtual Herbarium. Information Center for the Environment, University of California, Davis. 475ppd.

# *Plants of the Cosumnes River Preserve*

Adoxaceae(Caprifoliaceae)

## *Sambucus mexicana*

Blue Elderberry

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+1003+0615](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+1003+0615)

Lifeform

Tree, Shrub

Blooming Season

March-September

Habitat

Open flats

**Characteristics:**

UC Davis Herbarium Specimen:

Shrub 2-8m; Lf: leaflets 3-9, 3-20cm, elliptic to ovate; Infl: 4-33cm diam, more or less flat-topped; central axis generally abruptly shorter and weaker than branches; Fr: nearly black and densely white glaucous, thus appearing bluish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Alismataceae

## *Alisma plantago-aquatica*

Water Plantain

Native



Joshua H. Viers  
jhviers@ucdavis.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0803+0388](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0803+0388)

Lifeform

Perennial Herb

Blooming Season

June-July

Habitat

Wet, fresh water margins

**Characteristics:**

Plant: up to 3 feet tall; Lvs: basal; Infl: pedicels ascending to erect; Flr: petals white; Fr: lateral walls thick, opaque

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Alismataceae

## *Damasonium californicum*

California Damasonium

Native



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0603+0589](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0603+0589)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Ponds, vernal pools, streams,  
ditches

**Characteristics:**

UC Davis Herbarium Specimen:

Leaf: 5-20cm, blade 3-9cm, gen. < petiole, linear to narrowly ovate; Infl: gen.> lvs, pedicels 15-65mm in fr; Flr: petals 6-10mm, deeply cut, white to pink, basal spot yellow, anthers reddish; Fr: 3-5.5mm; beak 3-6mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Alismataceae

## *Echinodorus berteroi*

Burhead

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+2417+0062](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+2417+0062)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Freshwater marsh

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: blades with transparent lines, coarsely veined;  
submerged blades linear, wavy; Flr: petals 6-9mm,  
stamens 12; Fr: ribs 5; beak <2mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Alismataceae

## *Sagittaria latifolia*

Wappato, Arrowhead, Tule Potato

Native



Dan Tenaglia - [missouriplants.com](http://missouriplants.com)  
[moflora@hotmail.com](mailto:moflora@hotmail.com)

[http://www.missouriplants.com/Whitealt/Sagittaria\\_latifolia\\_page.html](http://www.missouriplants.com/Whitealt/Sagittaria_latifolia_page.html)

### Lifeform

Perennial Herb

### Blooming Season

July-August

### Habitat

Ponds, slow streams, ditches

### **Characteristics:**

UC Davis Herbarium Specimen:

Lvs: petiole unangled, submerged blades tapered to base; floating blades sagittate (or linear to ovate); Flrs: unisex; sepals: 3-10, petals entire; monoecious: pistils many, stamens many; Fr: 2-3.5mm, back winged or ridged

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Alismataceae

## *Sagittaria sanfordii*

Sanfords's Arrowhead

CNPS 1B Plant

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0102+0091](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0102+0091)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Freshwater marsh

**Characteristics:**

UC Davis Herbarium Specimen:

Rare; tubers spheric; Lvs: emergent blades 14-25cm, linear and 3-angled to narrowly ovate; Pistillate Flr: pedicel recurved, thickened in fruit, sepals appressed in fruit; Staminate flr: filaments papillate Fr: side oil-streaked when fresh, beak <0.5mm

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Amaranthaceae

## *Amaranthus albus*

Tumbleweed

*Introduced*



© 2005 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1105+0947](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1105+0947)

Lifeform

Annual Herb

Blooming Season

June-October

Habitat

Waste places, roadsides,  
fields

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: cauline petiole 5-50mm; axillary lvs generally smaller, persistent; Infl: clusters axillary throughout plant, bracts green, spined; Staminate Flr: stamens 3; Pistillate Flr: sepals 3; Seed: red-brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Amaranthaceae

## ***Amaranthus blitoides***

Pigweed, Amaranth

Native



© 2005 Luigi Rignanese  
rgnlg@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0905+1377](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0905+1377)

Lifeform

Annual Herb

Blooming Season

July-November

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: cauline petiole 4-30mm; Infl: spike-like clusters axillary, bract 1, spine-tipped, green; Staminate Flr: sepals 4-5, stamens 3-5; Pistillate Flr: sepals 4-5, fused at base, falling with fruit

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Amaranthaceae

## ***Amaranthus palmeri***

Palmer's Amaranth

**Native**



Steven Kaune © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=1073+3283+1658+0044](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=1073+3283+1658+0044)

Lifeform

Annual Herb

Blooming Season

August-November

Habitat

Roadside ditches, fields

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: petiole 10-90mm, blade lanceolate to ovate;  
Infl: spike-like, terminal, solitary or with axillary  
ones at base; bracts spine-tipped; Staminate Flr:  
sepals 5; Pistillate Flr: sepals 5; Seed: red-brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Amaranthaceae

## *Amaranthus retroflexus*

Red-root Pigweed, Green Amaranth

*Introduced*



© 2005 Luigi Rignanese  
rignlgu@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0905+1382](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0905+1382)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Common, wet fields, roadside  
ditches

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 3-30dm, monoecious; Infl: panicle of spike-like clusters, terminal spike < or = 20cm, 5 cm wide; Satminate Flr: sepals 4-5; Pistillate Flr: sepals 5; Seed: black

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Amaranthaceae

## *Atriplex cf. patula*

Spear Oracle

Native



Beatrice F. Howitt © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8253+3202+4137+0051](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8253+3202+4137+0051)

Lifeform

Annual Herb

Blooming Season

July-November

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 4-15dm; Stem: 1+ from base, erect; branches ascending to spreading, stiff; Lf: blade 15-70mm, linear to lanceolate, base tapered or rounded; Staminate Infl: spike or panicle, generally terminal; Pistillate Infl: bracts in fruit 3-12mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Amaranthaceae

## *Chenopodium album*

Lambsquarters

*Introduced*



© 2005 Steve Matson  
ssmat@sbcglobal.net.

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1105+0954](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1105+0954)

### Lifeform

Annual Herb

### Blooming Season

June-October

### Habitat

Waste places

### **Characteristics:**

UC Davis Herbarium Specimen:

Lf: blade entire to irregularly wavy-toothed, dull green above, powdery below; Flr: sepals generally enclosing fruit, keeled, powdery

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Amaranthaceae

## *Chenopodium ambrosioides*

Mexican Tea

*Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1203+0385](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1203+0385)

Lifeform

Annual, Perennial herb

Blooming Season

June-December

Habitat

Waste places

**Characteristics:**

[UC Davis Herbarium Specimen:](#)

Plant: strong-smelling; Lf: densely glandular, serrate to pinnately lobed; Infl: branches straight; Flr: sepals enclosing fruit, smooth, glabrous to sparsely glandular

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Amaranthaceae

## *Chenopodium botrys*

Jerusalem Oak

*Introduced*



© 1998 Larry Blakely  
larryblakely@sigmaxi.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+1618+0013](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+1618+0013)

### Lifeform

Annual Herb

### Blooming Season

June-October

### Habitat

Waste places

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: strong-smelling; Lf: short-stalked-glandular, ovate to elliptic and wavy to pinnately lobed below; Infl: branches arched or curved; Flr: sepals weakly enclosing fruit, densely short-stalked-glandular

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Anacardiaceae

## *Toxicodendron diversilobum*

Poison Oak

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6246+3041+2920+0014](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6246+3041+2920+0014)

Lifeform

Shrub

Blooming Season

April-May

Habitat

Forested areas

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: leaflets 3(5), margin entire, upper surface shiny, alternate, turning red in fall; Infl: drooping; Flr: sepals, petals generally ovate, yellow-green; Fr: creamy white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Apiaceae

## *Anthriscus caucalis*

Bur-chervil

*Introduced*



© 2006 Keir Morse  
uvularia@keiriosity.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0106+0948](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0106+0948)

Lifeform

Annual Herb

Blooming Season

April-June

Habitat

Shady places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 4.5-10dm, branched; Lf: blade 5-15cm, pinnately dissected, segments 1-5mm; Infl: white umbel, rays 3-6

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Apiaceae

## *Conium maculatum*

Poison Hemlock

CalIPC Impact(2006) : Moderate *Introduced*



Information Center for the Environment  
ICE

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5207+1611+1136+0072](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5207+1611+1136+0072)

Lifeform

Perennial Herb

Blooming Season

April-July

Habitat

Disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: pinnately dissected, serrate to 1-2 pinnately lobed; Infl: umbels compound, terminal and lateral, bracts 4-6; Flr: petals wide, white or yellowish, tips narrowed, rays 10-20; Fr: ovate to round, slightly compressed side-to-side

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Apiaceae

## ***Daucus carota***

Wild Carrot

*Introduced*

---



© 2005 Luigi Rignanese  
uvularia@keiriosity.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0505+0716](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0505+0716)

Lifeform

Perennial Herb

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 1.5-12dm, branched; Infl: white umbel

Blooming Season

Not Available

Habitat

Roadsides, disturbed places

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Apiaceae

## *Eryngium aristulatum*

Button Celery

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6043+1632+2624+0024](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6043+1632+2624+0024)

Lifeform

Perennial Herb

Blooming Season

May-August

Habitat

Ditches, vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: ascending or erect, branching loosely from main stem; Lf: blade crenate to coarsely sharply serrate, irregularly cut; Infl: heads in cymes; bracts entire or spine-margined, minutely hairy; Flr: petals white; styles sometimes purplish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Apiaceae

## *Eryngium articulatum*

Beethistle

Native



Ingrid B. Hogle  
ibhogle@mindspring.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0705+1025](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0705+1025)

Lifeform

Perennial Herb

Blooming Season

May-September

Habitat

Lake, stream margins,  
marshes

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: stout, erect, branching from main stem, glabrous; Lf: blade coarsely sharply serrate; Infl: heads bright blue or purple, in cymes; bracts sharply toothed; bractlets 3-toothed at tip; Fr: scales dense, bearing club-shaped papillae

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Apiaceae

## *Eryngium vaseyi*

Vasey's Coyote-thistle

**Native**



Jennifer Buck  
jenderbucket@gmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+0316](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+0316)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: decumbent to ascending, branching horizontally from main stem; Lf: deeply pinnately sharply lobed; Infl: heads in cymes; bracts densely spiny on margins; Flr: petals white or cream

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Apiaceae

## ***Foeniculum vulgare***

Fennel

CalIPC Impact(2006) : High *Introduced*

---



© John M. Randall/The Nature Conservancy  
jarandall@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/foevu02.jpg>

Lifeform

Perennial Herb

Blooming Season

May-September

Habitat

Roadsides, waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: licorice-scented; Stem: erect, branched, solid; Lf: conspicuously sheathing; blade pinnately finely dissected, thread-like; Infl: umbels compound; Flr: petals wide, yellow, tips narrowed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Apiaceae

## *Lomatium caruifolium*

Alkali Parsnip

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+1104+0079](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+1104+0079)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Foothill woodland

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: 1-3-ternately or ternate-2-pinnately dissected, linear, pointed; Infl: bractlets veined, green to purplish; Flr: corolla yellow, rarely purplish; Fr: oblong to obovate; glabrous; wings thickish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Apiaceae

## *Oenanthe sarmentosa*

American Oenanthe

Native



© 2002 Brad Kelley  
bkelley5@yahoo.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0702+0113](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0702+0113)

Lifeform

Perennial Herb

Blooming Season

June-October

Habitat

Streams, ponds, often aquatic

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: generally 2-pinnate, leaflets 1-6cm, serrate to lobed; Infl: bractlets many; Fr: 2.5-3.5mm, oblong, subcylindric; ribs wide

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Apiaceae

## *Sanicula bipinnatifida*

Purple Sanicle, Shoe buttons

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6259+3022+1591+0068](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6259+3022+1591+0068)

Lifeform

Perennial

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: simple, 1-2 pinnately dissected, green or purplish; Infl: peduncle, slightly fused at base; Flrs: bisexual, corolla purple or yellow; Fr: 3-8 per head, stout, curved, bulbous-based prickles

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Apiaceae

## *Torilis arvensis*

Hedge parsley

CalIPC Impact(2006) : Moderate *Introduced*



© 2004 George W. Hartwell  
chaparral95640@hotmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0604+1193](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0604+1193)

Lifeform

Annual Herb

Blooming Season

April-July

Habitat

Disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 3-10dm, slender; Lf: blade 5-12cm, 2-3 pinnate, leaflets 5-60mm, regularly pinnately cut; Infl: peduncle 2-12cm; bracts 0-2; bractlets several, 2-4mm; rays 2-10, more or less equal; Fr: 3-5mm, oblong-ovate; prickles spreading

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Apiaceae

## ***Torilis nodosa***

Knotted Hedgeparsley

*Introduced*



© 2007 Luigi Rignanese  
rgnlgu@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0507+0313](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0507+0313)

Lifeform

Annual Herb

Blooming Season

not available

Habitat

Disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 1-5 dm, Lf: petiole 3-10 cm, blade 3-9 cm, oblong to elliptic, pinnately dissected, segments 3-8 mm, linear to lanceolate, gen. entire; Infl: peduncle 0-2.5 cm, bracts gen. 0, bractlets 2-4/1.5-2 mm, linear rays, pedicels very short; Fr: 2-3 mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Apiaceae

## *Yabea microcarpa*

California Hedge

Native



© 2005 Keir Morse

keir\_morse@yahoo.com

<http://ww1.clunet.edu/wf/chap/flowers/fwr-1786.htm>

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grassy slopes, woodlands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect, 3-40cm; Lf: blade 2-6cm, oblong to ovate, pinnately dissected; Infl: umbels generally compound, rays 1-9, 1-8cm, unequal, erect or ascending; Flr: minute, petals obovate, white, tips narrowed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Apocynaceae

## *Apocynum cannabinum*

Indian Hemp

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5161+1631+2512+0015](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5161+1631+2512+0015)

Lifeform

Perennial Herb

Blooming Season

June-August

Habitat

Moist places near streams

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: stout, more or less stiffly erect, branched near top; Lf: blade 5-8cm, base tapered to cordate, tip obtuse to acute; Flr: corolla 2.5-5mm, cylindrical to urn-shaped; Fr: 6-9cm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Apocynaceae

## *Asclepias fascicularis*

Narrow-leaf Milkweed

Native



© 2003 Michael Charters  
mmlcharters@calflora.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0503+0315](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0503+0315)

### Lifeform

Perennial Herb

### Blooming Season

June-September

### Habitat

Dry ground, valleys, foothills

### **Characteristics:**

UC Davis Herbarium Specimen:

Lvs: whorls of 3-5, persistent, short petiole, blade base tapered; Flr: corolla reflexed, greenish white, can be tinged purple, hoods gen.<anther head, greenish white; Fr: pedicel erect

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Apocynaceae

## *Asclepias vestita*

Woolly Milkweed

Native



1999 Brother Eric Vogel  
evogel@stmarys-ca.edu

<http://calphotos.berkeley.edu/imgs/misc/eric/m5-52.jpg>

### Lifeform

Perennial Herb

### Blooming Season

May-June

### Habitat

Dry plains, hillsides, desert  
canyons

### **Characteristics:**

UC Davis Herbarium Specimen:

Lf: opposite, persistent, petiole short; Flr: corolla  
reflexed, yellowish white or purplish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Araceae(Lemnaceae)

## *Lemna minor*

Common Duckweed

Native

---

?

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Aquatic

**Characteristics:** UC Davis Herbarium Specimen:

Plant: in 2's or 3's, 2-5mm, elliptic-obovate, glossy-green; upper surface smooth, no midline bumps; lower surface flat, air spaces±obscure; Common; OBL wetland species

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Achillea millefolium*

Yarrow

Native



© 2001 Steven Thorsted  
steventhorsted@hotmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0801+0572](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0801+0572)

Lifeform

Perennial Herb

Blooming Season

Summer

Habitat

Many habitats

**Characteristics:**

Plant: 10-200cm; white to pink umbel; Lvs: finely 3-pinnately divided, cauline

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Achyrachaena mollis*

Blow Wives

Native



© 2002 Lynn Watson  
Lynn@araly.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1202+0087](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1202+0087)

<u>Lifeform</u>	<b>Characteristics:</b>	<u>UC Davis Herbarium Specimen:</u> <input checked="" type="checkbox"/>
Annual Herb	Lvs: simple, sessile; blades 2-12cm, linear, obtuse;	
<u>Blooming Season</u>	Infl: phyllaries 3-8 in 1 series; chaff scales +/-	
April-May	equal; Ray Flrs: 3-8; corollas 10-12mm, yellow to	
<u>Habitat</u>	red; Disk Flrs: 6-35; corollas 6-10mm; Disk	
Common, grassy areas	achenes: pappus 10 oblong, white scales	
	<a href="http://ucjeps.berkeley.edu/interchange.html">http://ucjeps.berkeley.edu/interchange.html</a>	
	<a href="http://www.calflora.org/">http://www.calflora.org/</a>	

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Ambrosia psilostachya*

Western Ragweed

Native



Nicholas J. Jensen  
nickjjensen1@yahoo.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0103+0091](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0103+0091)

Lifeform

Perennial Herb

Blooming Season

July-November

Habitat

Roadsides, dry fields

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 5-20dm, Stems: soft-hairy to bristly; Lvs: opposite at least below, 4-12cm, lanceolate to ovate, generally 1-2 pinnately lobed, hairy; Inf: staminate heads 2-5mm diam, involucre lobes 3-5; pistillate heads 1-flowered; Fr: bur<6mm, greenish brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Anthemis cotula*

Chamomile

CalIPC Impact(2006) : Eval No List *Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1104+0375](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1104+0375)

Lifeform

Annual Herb

Blooming Season

April-August

Habitat

Disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: ill-scented; Stems: <24cm, lightly hairy; Lvs: <6cm, 2-3 pinnately divided; segments linear; Infl: heads radiate, phyllaries green, margins scarious, pale brown, chaffy in upper half; Ray Flrs: sterile, 10-15; ligules 6-9mm, white, reflexed in age

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Asteraceae

## *Artemisia douglasiana*

Mugwort

Native



Nicholas J. Jensen  
nickjjensen1@yahoo.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5161+1631+2435+0034](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5161+1631+2435+0034)

Lifeform

Perennial Herb

Blooming Season

June-October

Habitat

Open to shady places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 5-25dm; Stem: many, erect, brown to gray-green; Lvs: narrowly elliptic to widely oblanceolate, entire or coarsely 3-5-lobed near tip, sparsely tomentose above, densely white tomentose below; Infl: 10-30cm, leafy; heads bell-shaped, nodding

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Aster aff. chilensis*

California Aster

CNPS 1B Plant

Native



© 2003 Charles E. Jones  
charliejones@aol.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1003+0333](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1003+0333)

### Lifeform

Perennial/rhizome

### Blooming Season

June-October

### Habitat

Grasslands, salt marshes

### **Characteristics:**

Stems: 4-10dm, hairy above; Lvs: basal/cauline;  
Ray Flrs: many; corollas 8-12mm, violet, Fr: hairy

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Aster subulatus* v. *ligulatus*

Annual Saltmarsh Aster

Native



Michelle M. Jensen  
mmjensen@ucdavis.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1002+0256](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1002+0256)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Wet places, often alkaline

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: erect, 2-8dm, glabrous; Lvs: basal and cauline, generally 3-6cm; Infl: heads in an open cyme; phyllaries linear to lanceolate; Ray Flrs: many; corollas generally <7mm, pink to violet, barely larger than disk corollas; Fr: more or less hairy

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Asteraceae

## *Baccharis douglasii*

Marsh Baccharis

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+0226+0015](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+0226+0015)

Lifeform

Perennial Herb

Blooming Season

July-October

Habitat

Moist ground, near streams

**Characteristics:**

[UC Davis Herbarium Specimen:](#)

Plant: 1-2m, glabrous, sticky; Stems: generally 1 from base, ascending; Lvs: petioles <10mm, winged; Infl: heads in flat-topped clusters; phyllaries in 2-3 series; chaff 0 or 1 series of inconspicuous scales; Stam. Flrs: 26-40; pappus 3-4mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Baccharis pilularis*

Coyote Brush

Native



© 2002 BonTerra Consulting  
rlewis@bonterraconsulting.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1202+0275](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1202+0275)

<u>Lifeform</u>	<b>Characteristics:</b>	<u>UC Davis Herbarium Specimen:</u> <input type="checkbox"/>
Shrub	Shrub <3m, glabrous, generally sticky; Stems: prostrate to erect; Lvs: barely petioled, 8-55mm; Infl: heads in a leafy panicle; involucre hemispheric to bell-shaped; phyllaries in 4-6 series; chaff 0; Stam. Flrs: 20-34; pappus 3-4.2mm; Pist. Flrs: 19-43	
<u>Blooming Season</u>		
August-December		
<u>Habitat</u>		
Coastal bluffs to oak woodlands		<a href="http://ucjeps.berkeley.edu/interchange.html">http://ucjeps.berkeley.edu/interchange.html</a> <a href="http://www.calflora.org/">http://www.calflora.org/</a>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Asteraceae

## *Bidens frondosa*

Beggars Tick

Native



Dan Tanaglia - [missouriplants.com](http://missouriplants.com)  
[moflora@hotmail.com](mailto:moflora@hotmail.com)

[http://www.missouriplants.com/Yellowopp/Bidens\\_frondosa\\_page.html](http://www.missouriplants.com/Yellowopp/Bidens_frondosa_page.html)

### Lifeform

Annual Herb

### Blooming Season

August-October

### Habitat

Damp soil, disturbed places

### **Characteristics:**

UC Davis Herbarium Specimen:

Lvs: compound, petioled, leaflets 2-8cm;  
lanceolate, serrate; Infl: heads radiate or discoid,  
erect; outer phyllaries 5-8; chaff scales brownish;  
Ray Flrs: 0-few; Disk Flrs: corollas orange; Fr:  
blackish, pappus awns 2

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Asteraceae

## *Blennosperma nanum*

Common Blennosperma

Native



© 1994 Gary A. Monroe  
g.monroe@att.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+1102+0135](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+1102+0135)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Valley grassland, foothill  
woodland

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: alternate, pinnately lobed, lobes 3-15, short, linear; Infl: heads radiate, phyllaries in 1 series, margins clear; Ray Flrs: ligules yellow ±purple on back; Disk Flrs: corolla yellow, stigmas & pollen yellow or white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Calycadenia multiglandulosa*

Rosinweed

Native



Jo-Ann Ordano © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=9187+3302+4015+0098](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=9187+3302+4015+0098)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Valley grassland, foothill  
woodland

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: hairy and often glandular above; Lvs: lower persistent; Infl: sometimes dense; peduncle bracts many, reddish, tack-like glands; Ray Flrs: 2-6; ligules yellow or white to rose; Disk Flrs: 4-20; Fr: ray fr smooth; disk pappus scales 11

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# ***Plants of the Cosumnes River Preserve***

Asteraceae

## ***Carduus pycnocephalus***

Italian Thistle

CalIPC Impact(2006) : Moderate *Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1104+0320](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1104+0320)

Lifeform

Annual Herb

Blooming Season

May-July

Habitat

Roadside weed

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: glabrous or slightly woolly, narrowly spine-winged; Lvs: basal 10-15cm, 4-10-lobed; Infl: heads 2-5 per cluster; phyllary bases loosely tomentose, tips ascending, spiny; Flrs: corollas 10-14mm, pink to purple; Fr: golden to brown; veins 20

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Centaurea solstitialis*

Yellow Star-thistle

CalIPC Impact(2006) : High *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5205+1622+2824+0055](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5205+1622+2824+0055)

Lifeform

Annual Herb

Blooming Season

May-October

Habitat

Pastures, disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: rounded, gray-tomentose; Lvs: scabrous-bristly, 1-2-lobed; Infl: open; heads 1-many; main phyllaries pale green to straw-colored or brown, appendages palmately spiny; Flrs: many; corollas equal, yellow, sterile corollas slender

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Asteraceae

## ***Chamomilla suaveolens***

Pineapple Weed

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0413](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0413)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Disturbed sites

**Characteristics:**

UC Davis Herbarium Specimen:

Plants: herbage sweet-scented; Stem: branched from base; Lvs: glabrous, sessile; Infl: heads conic, shattering at maturity; Flrs: corollas 1-2mm; Fr: 3-5-veined, gelatinous when wet; pappus a narrow crown with linear, brown glands

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Cichorium intybus*

Chicory

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5205+1622+2823+0017](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5205+1622+2823+0017)

Lifeform

Perennial Herb

Blooming Season

June-October

Habitat

Roadsides, waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: lower oblong to elliptic, subentire to pinnately lobed; Infl: heads ligulate, showy, phyllaries in 2 series, peduncles of terminal heads not thickened; Flrs: ligules blue (pink, white); Fr: 1.5-2.5mm, pappus scales <0.5mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Cirsium arvense*

Canada Thistle

CalIPC Impact(2006) : Moderate *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5205+1622+2823+0053](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5205+1622+2823+0053)

Lifeform

Perennial Herb

Blooming Season

June-September

Habitat

Disturbed Places

**Characteristics:**

UC Davis Herbarium Specimen:

Weedy. Lvs: 5-20cm, tapered at base, sometimes decurrent as spiny wings, main spines 3-5mm; Infl: heads several-many, gen. purplish, outer phylaries ovate, tipped by spines; Flr: corollas gen. purplish, sometimes white or pink

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Asteraceae

## ***Cirsium vulgare***

Bull Thistle

CalIPC Impact(2006) : Moderate *Introduced*



© 2002 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1102+1310](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1102+1310)

Lifeform

Perennial Herb

Blooming Season

June-September

Habitat

Disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: loosely tomentose, often glandular-hairy;  
Lvs: harshly bristly above, main veins prominently raised on lower surface; Infl: heads 1-several, closely subtended by bract-like uppermost leaves; phyllaries graduated in 5-10 series; Flrs: corollas purple

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Conyza bonariensis*

Hairy Fleabane

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5207+1611+1114+0064](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5207+1611+1114+0064)

Lifeform

Annual Herb

Blooming Season

June-August

Habitat

Disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: gray-hairy; Stems: 1-several from base, strigose and long-soft-hairy; Lvs: entire to shallowly lobed; Infl: lateral clusters often overtopping central; phyllaries often purple-tipped; Pistillate Flrs: very many; Disk Flrs: 10-20; greenish yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Conyza canadensis*

Horseweed

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5207+1611+1114+0069](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5207+1611+1114+0069)

Lifeform

Annual Herb

Blooming Season

June-September

Habitat

Waste ground

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: simple below, much-branched above, strigose or stiff-spreading-hairy; Lvs: entire to shallowly few-lobed, often ciliate; Infl: heads obscurely radiate; phyllaries midvein resin-filled, orange when dry; Pistillate Flrs: 20-40; Disk Flrs: 7-13

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Asteraceae

## *Cotula coronopifolia*

Brass-buttons

CalIPC Impact(2006) : Limited *Introduced*



© 2003 George W. Hartwell  
chaparral95640@hotmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0403+0805](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0403+0805)

Lifeform

Perennial Herb

Blooming Season

March-December

Habitat

Saline and freshwater  
marshes

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: fleshy, glabrous, decumbent, rooting from nodes; Lvs: linear to lanceolate; base forming a fused sheath around stem; Infl: heads 6-15mm diam; phyllaries in 3 unequal series; Pistillate Flrs: 1 series; Disk Flrs: many, subsessile, bright yellow

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Asteraceae

## ***Euthamia occidentalis***

Western Goldenrod

**Native**



© 2003 Michael Charters  
mmlcharters@calflora.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0503+0141](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0503+0141)

### Lifeform

Perennial Herb

### Blooming Season

July-November

### Habitat

Ditches, marshes, meadows

### **Characteristics:**

UC Davis Herbarium Specimen:

Stems: smooth, sometimes white; Lvs: middle largest, lower deciduous; Infl: large, panicle-like; branches ascending; phyllaries in 3-4 series; Ray Flrs: 15-25, yellow; Disk Flrs: 6-15

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Filago gallica*

Filago, Mediterranean Herba Impia

*Introduced*



© 2004 Keir Morse  
keir\_morse@yahoo.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0104+0288](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0104+0288)

<u>Lifeform</u>	<b>Characteristics:</b>	<u>UC Davis Herbarium Specimen:</u> <input checked="" type="checkbox"/>
Annual Herb	Stems: 1-few from base, erect, forked, grayish to green, cobwebby; Infl: heads in loose groups of 3-10, restricted to forks and tips of branches, grayish; Pistillate Flrs: in 4-8 series; Disk Flrs: 3-5; corolla lobes 4, brownish to yellowish	
<u>Blooming Season</u>		
Not Available		
<u>Habitat</u>		
Common, weedy, bare or grassy places		
	<a href="http://ucjeps.berkeley.edu/interchange.html">http://ucjeps.berkeley.edu/interchange.html</a>	
		<a href="http://www.calflora.org/">http://www.calflora.org/</a>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Asteraceae

## ***Gnaphalium luteo-album***

Everlasting

*Introduced*



UC-Kearney Ag Center

<http://www.weedbiology.uckac.edu/kacspecies/cudweed.jpg>

Lifeform

Annual Herb

Blooming Season

All year

Habitat

Fields, waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: generally white-(yellow-)woolly, unscented;  
Stems: 1-several from base; Lvs: linear to spoon-shaped, short-decurrent; Infl: heads many in spheric clusters; phyllaries smooth transparent, whitish to yellowish above; Flrs: 40-100

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Asteraceae

## ***Gnaphalium palustre***

Dwarf Cudweed

Native



© 2003 George W. Hartwell  
chaparral95640@hotmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0603+0355](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0603+0355)

Lifeform

Annual Herb

Blooming Season

May-October

Habitat

Damp banks, streambeds

**Characteristics:**

Plant: 1-30cm, unscented, tomentose; Lvs: 4-30mm, oblong to spoon-shaped, clasping; Infl: clusters small, terminal or axillary, involucre 3-3.5mm, phyllaries smooth and brown with whitish tips above, tomentose below; Flrs: 40-60

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Grindelia camporum*

Great Valley Gumplant

Native



Joshua H. Viers  
jhviers@ucdavis.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6068+1631+0635+0071](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6068+1631+0635+0071)

Lifeform

Perennial Herb

Blooming Season

May-October

Habitat

Fields, roadsides

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: appearing white-varnished; Lvs: cauline, stiff, light yellow to gray-green; Infl: head 1; phyllaries 6-7 series, glabrous; Ray Flrs: (0)25-39; Disk Flrs: many; corolla throat narrow; Fr: 2-3-angled, white to golden-brown; pappus awns 2-6

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Helenium puberulum*

Sneezeweed

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6040+1631+1635+0034](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6040+1631+1635+0034)

Lifeform

Perennial Herb

Blooming Season

June-September

Habitat

Streamsides, marshes

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: branches several-many; Lvs: basal and cauline, entire; Infl: heads several-many; Ray Flrs: 0 or 13-15; ligules 4-10mm; Disk Flrs: corollas 4-5-lobed, yellow, lobes yellow to brown or purple; Fr: pappus scales short-awned

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Asteraceae

## ***Helianthus annuus***

Sunflower

Native



Nicholas J. Jensen  
nickjjensen1@yahoo.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1003+0585](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1003+0585)

Lifeform

Annual Herb

Blooming Season

February-October

Habitat

Disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: rough-hairy; Lvs: blade 10-40cm, margin serrate; Infl: heads few-many; phyllaries abruptly acuminate; chaff scales deeply 3-lobed; Ray Flrs: 15-many, yellow; Disk Flrs: corolla lobes red to purple or yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Helianthus bolanderi*

Bolander's Sunflower

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6040+1631+1635+0052](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6040+1631+1635+0052)

Lifeform

Annual, Perennial herb

Blooming Season

July-November

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: rough-hairy; Lvs: blade 3-15cm, margin entire to serrate; Infl: heads 1-several; phyllary hairs long; chaff scales 3-toothed, tip glabrous; Ray Flrs: 10-17; Disk Flrs: corolla lobes yellow or red-purple

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Hemizonia congesta*

Hayfield Tarweed

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6040+1631+1635+0066](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6040+1631+1635+0066)

Lifeform

Annual Herb

Blooming Season

May-October

Habitat

Grasslands, fallow fields

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: branched above; Lvs: linear to narrowly elliptic; upper densely glandular; Infl: heads solitary or in small groups; phyllaries densely stalked-glandular; Ray Flrs: 5-13; white, red to purple-striped below; Disk Flrs: 5-60; corollas white to yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Hemizonia congesta* ssp. *luzulifolia*

Tarweed

Native



© 2002 Margo Bors  
mcbors@comcast.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0802+0004](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0802+0004)

Lifeform

Annual Herb

Blooming Season

April-June

Habitat

Grasslands, fallow fields

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: branched above, glandular; Lvs: linear to narrowly elliptic; upper densely glandular; Infl: open; head peduncled; phyllaries densely stalked-glandular; Ray Flrs: 5-13; white, red- or purple-striped below

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Asteraceae

## *Hemizonia fitchii*

Spikeweed

Native



Gerald and Buff Corsi © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=9092+3191+3548+0018](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=9092+3191+3548+0018)

Lifeform

Perennial Herb

Blooming Season

May-November

Habitat

Fields, open woodlands

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: ill-scented; Stems: densely long-straight-hairy, glandular-puberulent; Lvs: entire or deeply divided with linear spine-tipped segments; Infl: overtopped by bracts; phyllaries spine-tipped; Ray Flrs: many, 2-lobed, yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Hemizonia pungens ssp. laevis*

Smooth Tarplant

CNPS 1B Plant

Native



© 2003 Dean Wm. Taylor, Ph.D  
dwtaylor@cruzers.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0503+0261](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0503+0261)

Lifeform

Annual Herb

Blooming Season

April-September

Habitat

Grasslands, depressions

**Characteristics:**

Stem: branches generally stiff, bristly; Lvs: lvs and bracts not scabrous; Infl: heads 4-6mm diam, solitary or few in loose clusters along infl branches; chaff scales not spine-tipped

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Hemizonia pungens ssp. pungens*

Common Spikeweed

Native



© 1995 Arthur H. Bazell, M.D  
bazell@maxinet.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0602+0428](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0602+0428)

Lifeform  
Annual Herb  
Blooming Season  
Not Available  
Habitat  
Low grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: braches stiff, bristly; Lvs: lvs and bracts scabrous; deeply divided; upper linear, spine-tipped; Infl: heads 1-few in clusters along infl branches; overtopped by upper lvs; Ray Flrs: many, 2-lobed, yellow; Disk Flrs: corollas and anthers yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Hespererax caulescens*

Hogwallow Starfish

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+0278](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+0278)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Rare; Stem: erect, 0-few; Lvs: crowded near stem tips; Infl: upper heads in dense groups of 10-40 subtended by 10-20 lvs; Pistillate Flrs: in 2-4 series

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Hetertheca grandiflora*

Telegraph Weed

Native



© 2006 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0606+1143](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0606+1143)

### Lifeform

Annual, Perennial Herb

### Blooming Season

All Year

### Habitat

Disturbed areas, dry streams

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: Sticky; Lvs: lower lvs petioled, basal lobes ear-like, clasping, middle lvs densely appressed-hairy, lanceolate; Infl: ±panicle-like, densely glandular; involucre 6-9mm; phyllaries in 4-6; Ray flrs 25-40; Disk Flrs: 30-75; Fr: 2-5mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



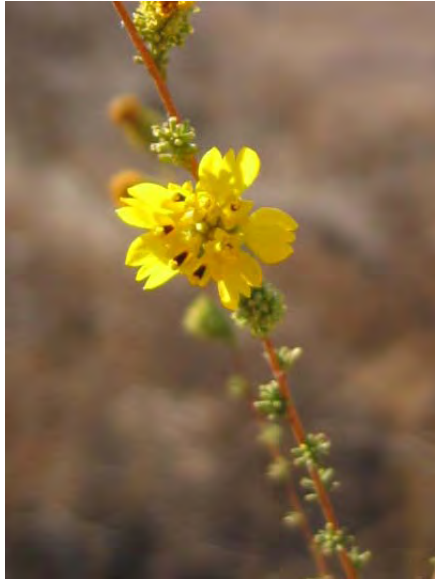
# ***Plants of the Cosumnes River Preserve***

Asteraceae

## ***Holocarpha virgata***

Pitgland Tarweed

**Native**



© 2005 Vince Scheidt  
vince@san.rr.com.

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1005+0599](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1005+0599)

Lifeform

Annual Herb

Blooming Season

June-Novembr

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: branches not overtopping main stem, soft-hairy and glandular below, resinous; Infl: spike- or raceme-like; phyllaries with 5-20 stout, gland-tipped projections, otherwise glabrous; Ray Flrs: 3-7; Disk Flrs: 9-25, anthers black

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Hypochaeris glabra*

Smooth Cat's Ear

CalIPC Impact(2006) : Limited *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6068+1631+0685+0086](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6068+1631+0685+0086)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands, vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: glabrous; Stems: 1-many; Lvs: 2-10cm, entire or shallowly lobed; Flrs: ligules short, inconspicuous; Fr: outer achenes cylindric, beakless, pappus short and spreading; inner achenes longer, pappus tawny or dull white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Asteraceae

## ***Hypochaeris radicata***

Annual Cat's Ear

CalIPC Impact(2006) : Moderate *Introduced*



© 2004 Michael Charters  
mmlcharters@calflora.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0804+0083](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0804+0083)

Lifeform

Perennial Herb

Blooming Season

May-November

Habitat

Disturbed places, lawns

**Characteristics:**

Plant: rough-hairy; Lvs: toothed or lobed; Flrs:  
ligules large, conspicuous, yellow

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Lactuca saligna*

Lettuce

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6040+1631+1307+0041](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6040+1631+1307+0041)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 0.5-1(2)m; Taproot; Lvs: few-many, linear to lanceolate, entire or with linear lobes, clasping, glabrous or prickly-bristly on midvein; Infl: heads in flower 4-5cm wide; Flrs: 8-12, corolla pale yellow; Fr: 7-9mm, brown, dark-mottled, rough

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Lactuca serriola*

Prickly Lettuce

CalIPC Impact(2006) : Eval No List *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6040+1631+1307+0043](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6040+1631+1307+0043)

Lifeform

Annual Herb

Blooming Season

May-September

Habitat

Weed of disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: erect, prickly-bristly; Lvs: few-many, dentate to coarsely lobed, clasping, prickly-bristly on midvein; Infl: open; Flrs: 14-20; corolla pale yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Lasthenia californica*

Goldfields

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5208+1611+0226+0037](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5208+1611+0226+0037)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal Pools

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: simple or freely branched; Lvs: linear to oblanceolate, entire, hairy; Infl: bell-shaped; phyllaries 4-13, free, hairy; Ray Flrs: 6-13; ligules 5-10mm; Disk Flrs: many; anther tips triangular; style tips triangular; Fr: pappus 1-7 narrow awns

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Lasthenia fremontii*

Fremont's Goldfields

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5208+1611+0226+0036](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5208+1611+0226+0036)

Lifeform

Annual, Perennial herb

Blooming Season

Not Available

Habitat

Vernal Pools

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect, simple or branched from base; Lvs: linear and entire or with 1-3 pairs of linear lobes; Infl: phyllaries 8-16, free, hairy; Ray Flrs: 6-13; ligules 5-7mm; Disk Flrs: many; style tips triangular with a short tuft of hairs; Fr: club-shaped

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Lasthenia glaberrima*

Smooth Goldfields

CNPS 1B Plant

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+0722](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+0722)

### Lifeform

Annual Herb

### Blooming Season

February-June

### Habitat

Wet places, vernal pools

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: sprawling or erect, glabrous; Lvs: linear, entire; Infl: phyllaries 5-10, fused, hairy; Ray Flrs: 6-13; ligules very short, pale yellow; Disk Flrs: many; corollas 4-lobed, pale yellow or greenish; anther tips oblong; style tips short, glabrous

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Asteraceae

## *Lasthenia glabrata*

Goldfields

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6040+1631+1307+0086](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6040+1631+1307+0086)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools, saline places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect, simple or branched; Lvs: linear or awl-shaped, entire, glabrous; Infl: phyllaries 10-14, fused, glabrous; Ray Flrs: 7-15; ligules 4-14mm; Disk Flrs: many; style tips triangular, hair-tufted

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Layia fremontii*

Tidy tips

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+0424](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+0424)

### Lifeform

Annual Herb

### Blooming Season

March-May

### Habitat

Grassy slopes in heavy soil

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: not glandular, not scented; Lvs: lower leaves < 30-lobed; Infl: phyllaries 4-11mm, basal margins interlocked by cottony hairs; chaff scales each subtending a disk flower; Ray Flrs: 3-15, yellow, white-tipped; Disk Flrs: 4-100, anthers purple

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Leontodon taraxacoides*

Hawkbit

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0404+0955](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0404+0955)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Grasslands, vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: many, unbranched; Infl: heads solitary; Fr: outer achenes smooth, pappus a crown of short scales; inner achenes roughened, pappus of short and long bristles with expanded bases

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Microseris acuminata*

Needle Microseris

Native



© 2005 Jennifer Buck  
jenderbucket@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0505+0849](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0505+0849)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: generally linear-lobed; Infl: outer phyllaries deltate; Flr: 5-50; ligules yellow; Fr: flared at tip, evenly brown, glabrous; pappus scales 5, white to brownish, hairy or not, barbed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Microseris douglasii*

Douglas' Microseris/Douglas' Silverpuffs

**Native**



© 2002 Doreen L. Smith  
dsmith@lvha.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0103+0208](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0103+0208)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Flrs: 5-100+; ligules yellow or white, Fr: gray to brown or blackish, often dark-spotted

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Picris echioides*

Bristly Ox-tongue

CalIPC Impact(2006) : Limited *Introduced*



Joshua H. Viers  
jhviers@ucdavis.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0703+0450](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0703+0450)

Lifeform

Annual, Perennial herb

Blooming Season

June-October

Habitat

Weed of waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: coarse, stout, 3-8dm; Lvs: 5-20cm oblong, entire, coarsely toothed on top, winged petioles; Infl: terminal and axillary; outer phyllaries spreading to ascending; Flr: yellow; Fr: brownish; beak slender; pappus plumose, white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Psilocarphus brevissimus* v. *brevissimus*

Dwarf Woolly-heads

Native



© 2003 Vince Scheidt  
vince@san.rr.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0603+0124](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0603+0124)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools and flats

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: densely shaggy- tomentose; Stems: several from base, central not dominant, spreading to erect; Lvs: uppermost generally lanceolate to ovate, longest 8-15mm; Infl: largest head 6-9mm; Disk Flrs: 0.8-1.6mm, (4)5-lobed; Fr: 0.8-1.9mm

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Psilocarphus brevissimus v. multiflorus*

Delta Woolly Marbles

CNPS 4 Plant

Native



© 1998 Dean Wm. Taylor, Ph.D  
dwtaylor@cruzers.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0801+0669](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0801+0669)

Lifeform

Annual Herb

Blooming Season

May-June

Habitat

Vernal pools and flats

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: thinly silky-tomentose, Stems: several from base/branched above, dominant central stalk, spreading to erect; Lvs: upper gen.lanceolate to ovate, uppermost 14-25mm; Infl: largest head 9-14mm; Disk Flrs: 0.8-1.6mm, 5-lobed; Fr: 0.8-1.9mm. uncommon

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Asteraceae

## *Psilocarphus oregonus*

Oregon Woolly Marbles

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0281](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0281)

### Lifeform

Annual Herb

### Blooming Season

May-June

### Habitat

Vernal pools, rarely moist  
slopes

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: generally silky-tomentose; Stems: generally several from base, spreading; Lvs: uppermost linear to narrowly oblanceolate, longest 12-20mm; Infl: largest head 4-6mm; Disk Flrs: 0.7-1.4mm, generally 4-lobed; Fr: 0.6-1.2mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Psilocarphus tenellus*

Slender Wolly-heads

Native



Jennifer Buck  
jenderbucket@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+1144](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+1144)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: variously tomentose, Stems: generally several from base, spreading; Lvs: uppermost oblanceolate to obovate, longest <16mm, Infl: largest head <6mm; Disk Flrs: 0.8-1.5mm, 4-5-lobed; Fr: 0.6-1.2mm

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Psilocarphus tenellus* v. *tenellus*

Wooly Heads, Wooly Marbles

Native



© 2006 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0406+0838](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0406+0838)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: thinly cobwebby-tomentose; Stems: generally several from base, spreading; Lvs: uppermost oblanceolate to obovate, longest <16mm, 1.5-5x > wide; Infl: largest head <6mm; Disk Flrs: 0.8-1.5mm, 5-lobed; Fr: 0.6-1.2mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Asteraceae

## *Senecio vulgaris*

Common Groundsel

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0111](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0111)

Lifeform

Annual Herb

Blooming Season

Flrs. most months

Habitat

Farmlands, disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 1-6dm, arched upward; Lvs: blades 2-10cm, deeply and unevenly dentate to lobed; Infl: heads discoid, 8-10; main phyllaries approx 21, 4-6mm, tips often black; outer phyllaries 2-6, strongly black tipped; Ray Flrs: 0; Disk Flrs: <40

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Silybum marianum*

Milk Thistle

CalIPC Impact(2006) : Limited *Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1104+0362](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1104+0362)

### Lifeform

Annual, Perennial herb

### Blooming Season

May-July

### Habitat

Roadsides, waste places

### **Characteristics:**

UC Davis Herbarium Specimen:

Stems: 2-30dm, glabrous or slightly woolly; Lvs: basal 15-60cm; petiole winged; cauline bases clasping, coiled, spiny; Infl: body of head 2-6cm diam; Fr: 6-8mm, brown and black-spotted; pappus 15-20mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Asteraceae

## ***Soliva sessilis***

Lawn Burrweed

*Introduced*

---



© 2002 Bart and Susan Eisenberg  
qusan@comcast.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0402+0085](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0402+0085)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Disturbed areas, roadsides

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: prostrate to ascending, softly short-hairy;  
Stems: 1-many, often purple-spotted or dark-colored; Lvs: pinnate; leaflets more or less palmate, lobes 2-8; Pistillate Flrs: 10-12; Disk Flrs: 4-6; corollas 2-3mm, green-translucent

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Sonchus asper ssp. asper*

Prickly Sow Thistle

CalIPC Impact(2006) : Eval No List *Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0105+0534](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0105+0534)

### Lifeform

Annual Herb

### Blooming Season

Flrs. most months

### Habitat

Weed in slightly moist places

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: 1-12dm; Lvs: basal tapered, cauline sessile, clasping upper often widest near base, basal clasping lobes rounded, strongly curved to coiled; blades dentate, teeth and lobes tipped with soft spines; infl: peduncles 0.5-5cm, gen. ±bristly-glandular

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Asteraceae

## *Sonchus oleraceus*

Common Sow Thistle

*Introduced*



© 2007 Luigi Rignanese  
rignlgu@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0307+1571](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0307+1571)

Lifeform

Annual Herb

Blooming Season

Flrs. most months

Habitat

Weed in waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 1-14dm; Stems: often branched from below middle; Lvs: basal generally < cauline; cauline 5-35cm, upper sessile, clasping, often widest at base; blades nearly all lobed, terminal lobe often widely arrowhead-shape; Infl: glabrous to bristly-glandular

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Asteraceae

## *Taraxacum officinale*

Dandelion

CalIPC Impact(2006) : Eval No List *Introduced*



Dr. Robert Thomas and Margaret Orr © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=1335+3153+0216+0118](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=1335+3153+0216+0118)

Lifeform

Perennial Herb

Blooming Season

Flrs. most months

Habitat

Lawn weed, meadows

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: variously toothed or lobed; Infl: heads 2-3.3cm diameter; outer phyllaries reflexed, 5-8mm; tips of inner phyllaries acute to minutely truncate

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Xanthium spinosum*

Spiny Cocklebur

Native



Ingrid B. Hogle

ibhogle@mindspring.com

<http://tncweeds.ucdavis.edu/photos/xansp03.jpg>

Lifeform

Annual Herb

Blooming Season

July-October

Habitat

Disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: <10dm, slender; axillary spines <3cm, 3-branched, stout, golden; Lvs: blades 3-10cm, linear to elliptic, white-hairy below, gray-green above; base generally 1-veined; Infl: pistillate heads generally 1; Fr: bur cylindric; spines slender

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Asteraceae

## *Xanthium strumarium*

Cocklebur

Native



Ingrid B. Hogle  
ibhogle@mindspring.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6249+3022+3913+0069](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6249+3022+3913+0069)

Lifeform

Annual Herb

Blooming Season

July-October

Habitat

Disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: thick, fleshy, red or black-spotted; Lvs: long-petioled; blades widely triangular, 3-lobed, base generally 3-veined; Infl: pistillate heads clustered below staminate heads; Fr: bur cylindric to barrel-shaped

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Azollaceae

## *Azolla filiculoides*

Mosquito Fern

Native



© 2003 Keir Morse  
keir\_morse@yahoo.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1103+0677](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1103+0677)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Sluggish water, slow streams

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: green to reddish, fertile only when ascending; Stem: <5+cm; Sporangium: cases generally male

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Betulaceae

## *Alnus rhombifolia*

White Alder

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8253+3202+0180+0084](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8253+3202+0180+0084)

Lifeform

Tree

Blooming Season

January-April

Habitat

Along streams below 500 feet

**Characteristics:**

UC Davis Herbarium Specimen:

Tree: trunk <35m; Lf: blade thick, base tapered to round, tip round to acute, margin generally flat, upper surface green, midrib and major veins not indented, lower surface yellow-green

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Boraginaceae

## *Amsinckia menziesii* v. *intermedia*

Fiddleneck

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5315+2021+0941+0069](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5315+2021+0941+0069)

Lifeform

Annual Herb

Blooming Season

April-June

Habitat

Dry grassy places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairs generally bristly; Flr: corolla 7-11mm, 4-10mm wide at top, more or less orange, limb generally with 5 red-orange marks

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Boraginaceae

## *Heliotropium curassavicum*

Heliotrope

Native



© Keir Morse

© 2004 Keir Morse  
keir\_morse@yahoo.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0104+0311](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0104+0311)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: prostrate to weakly ascending, fleshy, glabrous; Lf: 1-6cm, oblanceolate, acute to obtuse; Infl: spikes 2-4, terminal, coiled in flr; Flr: corolla bell-shaped, white to bluish; Fr: nutlets 4, smooth

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Boraginaceae

## *Plagiobothrys acanthocarpus*

Adobe Popcorn Flower

Native



© 2003 Michael Charters  
mmlcharters@calflora.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0503+0357](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0503+0357)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Wet areas

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: spreading to erect, 1-4dm; Lvs: cauline; lower 2-6cm; Infl: bracted throughout; Flr: calyx 3-6mm; corolla 1-2.5mm wide; Fr: nutlet 1.5-2.5mm, ovoid; cross-ribs generally narrow; prickles all over back, slender, long

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



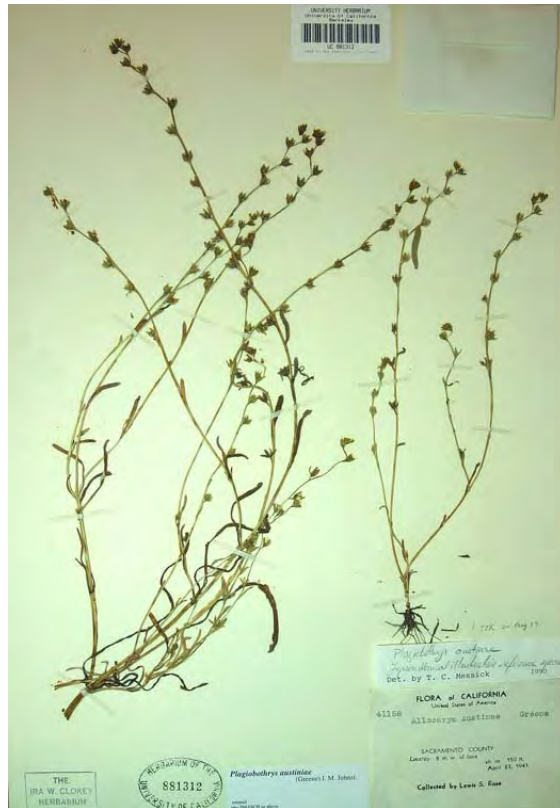
# Plants of the Cosumnes River Preserve

Boraginaceae

## *Plagiobothrys austiniae*

Austin's Popcorn Flower

Native



© 2005 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1205+0813](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1205+0813)

### Lifeform

Annual Herb

### Blooming Season

Not Available

### Habitat

Vernal pool edges

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent to erect, 1-4dm; Lvs: cauline; lower 1-5cm; Infl: bracted near base; Flr: calyx 5-8mm; Fr: nutlet more or less 2.5mm, widely ovoid, angled, narrowed near tip; cross-ribs 0 or obscure; prickles on midrib and lateral ribs only

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Boraginaceae

## *Plagiobothrys bracteatus*

Popcorn Flower

Native



© 2004 Keir Morse  
keir\_morse@yahoo.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+1203+0536](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+1203+0536)

Lifeform

Annual Herb

Blooming Season

April-June

Habitat

Dry beds of pools, ditches

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: generally ascending; Lvs: cauline; lower 3-10cm; Infl: bracted below middle; Flr: corolla 1-3mm wide; Fr: nutlet 1-2mm, lanceolate-ovate; midrib short, near tip; lateral ribs below middle; cross-ribs irregular

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Boraginaceae

## ***Plagiobothrys fulvus***

Popcorn Flower

**Native**



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0404+0300](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0404+0300)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect, 3-6dm; Lvs: basal in loose, persistent rosette, 2-8cm; cauline alternate; Infl: bracts 0-few, near base; Flr: calyx 5-6mm; Fr: nutlets 2-4, 2.5-3mm, triangular-ovoid; cross-ribs narrow, straight

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Boraginaceae

## *Plagiobothrys greenei*

Green's Popcorn Flower

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0370](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0370)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pool edges

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent to erect, 1-4dm; Lvs: cauline; lower 1-5cm; Infl: bracted near base; Flr: calyx 5-8mm; corolla 1-2.5mm wide; Fr: nutlet more or less 2.5mm, widely ovoid, narrowed near tip; cross-ribs 0 or obscure; prickles all over back, long, slender

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Boraginaceae

## ***Plagiobothrys humistratus***

Dwarf Popcorn Flower

**Native**



© 2005 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1205+0967](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1205+0967)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools, grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: cauline; lower 3-8cm; Infl: bracted throughout;  
Nutlet: 2-2.5mm, cross-ribs irregular, often bristled

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Boraginaceae

## *Plagiobothrys stipitatus*

Popcorn Flower

Native



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=8076+3101+3985+0043](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=8076+3101+3985+0043)

Lifeform

Annual Herb

Blooming Season

March-May

Habitat

Alkaline places, like vernal  
pools

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: often fleshy, hollow; Lvs: cauline; lower 2-11cm; Infl: bracted below middle; Flr: calyx 5-8mm, corolla 2-12mm wide; Fr: nutlet 1.5-2.5mm, lanceolate to lance-ovate; midrib, lateral ribs low, rounded; cross-ribs above middle, rounded, oblique

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Boraginaceae

## *Plagiobothrys stipitatus v. micranthus*

Slender Popcorn Flower

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+1124](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+1124)

Lifeform

Annual Herb

**Characteristics:**

UC Davis Herbarium Specimen:

Flr: corolla 2-3mm wide

Blooming Season

April-July

Habitat

Grasslands and vernal pools

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Brassicaceae

## *Barbarea orthoceras*

Winter Cress

Native



© 2007 Margo Bors  
mcbors@comcast.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5208+1611+0226+0099](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5208+1611+0226+0099)

### Lifeform

Perennial Herb

### Blooming Season

May-September

### Habitat

Banks of streams, wet  
meadows

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: 1-6dm, branched, stiff, angled; Lvs: pinnately lobed; basal <12cm, with 2-3 pairs of lateral lobes, terminal lobe ovate; Flrs: petals bright yellow; Fr: erect to spreading-ascending, 2.5-5cm, straight; Seed: more or less 1.5mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Barbarea verna*

Early Yellowrocket

*Introduced*

---

?

Lifeform

Biennial Herb

Blooming Season

not available

Habitat

Uncommon. Damp soils,  
fields, roadsides

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 3-8dm, branched; Lvs: pinnately lobed; basal  $\pm$  2dm, with (4)6-10 pairs of lateral lobes; cauline with 6-16 pairs of lateral lobes; Flr: petals 5-7 yellow; Fr: ascending, 4.5-8 cm, straight, pedicel stout, >1mm thick; Seed: 1-1.5mm wide, gray/brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Barbarea vulgaris*

Common Winter Cress

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+2177+0001](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+2177+0001)

Lifeform

Perennial Herb

Blooming Season

April-May

Habitat

Disturbed sites

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 2-8dm, branched above, coarse; Lvs: basal with 1-4 pairs of lateral lobes; Flr: petals 6-8mm, bright yellow; Fr: erect to ascending, 1-3cm, straight; Seed: 1-1.5mm, oblong

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Brassicaceae

## *Brassica nigra*

Black Mustard

CalIPC Impact(2006) : Moderate *Introduced*



Joshua H. Viers  
jhviere@ucdavis.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+0247+0001](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+0247+0001)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Fields, disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairs sparse to dense, stiff; Lvs: basal pinnately lobed, serrate-dentate; Flr: petals 7-11mm; Fr: erect, 1-2cm, pedicel erect

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Brassicaceae

## *Brassica rapa*

Field Mustard

CalIPC Impact(2006) : Limited *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5208+1611+2177+0097](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5208+1611+2177+0097)

Lifeform

Annual Herb

Blooming Season

January-May

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: lateral lobes 2-4, upper lvs base  $\pm$ clasp  
stem; Flr: petals 6-11mm, yellow; Fr: linear, beak  
10-15mm, narrowed to a slender style; Seeds:  
many, 1 row per chamber, very finely netted

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Brassicaceae

## ***Capsella bursa-pastoris***

Shepard's Purse

*Introduced*



© 2004 Robert E. Preston, Ph.D.  
RPreston@jsanet.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0104+1256](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0104+1256)

Lifeform

Annual Herb

Blooming Season

All year

Habitat

Common weed

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairs simple and stellate; Stem: erect; Lvs: basal rosetted, subentire to pinnately lobed or dissected; Infl: many-flowered; Flr: petals white, distinctly clawed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Brassicaceae

## *Cardamine oligosperma*

Few-seed Bitter Cress

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5207+1611+1109+0030](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5207+1611+1109+0030)

### Lifeform

Annual, Perennial herb

### Blooming Season

March-July

### Habitat

Wet meadows, shady banks,  
creek bottoms

### **Characteristics:**

UC Davis Herbarium Specimen:

Stems: 1 to several >20cm, branched; short hairs or no hairs; Lvs: many, basal, 1-pinnate, lateral leaflets 5-9; Flr: petals 2-4mm, white; Fr: ascending to erect, 15-25mm, 1-2mm wide

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Brassicaceae

## *Cardamine pensylvanica*

Bittercress

Native



Dan Tenaglia - missouriplants.com  
moflora@hotmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0107+0532](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0107+0532)

Lifeform

Perennial Herb

Blooming Season

May-June

Habitat

Muddy streambanks,  
seepages

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: 1-few, branched; Lvs: 1-pinnate, glabrous;  
basal 0-few, not rosetted; Flr: petals 2-4mm, white;  
Fr: slender, glabrous

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Cardaria chalepensis*

Lens-podded Hoary Cress

*Introduced*



© 2004 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0604+1199](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0604+1199)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Disturbed, saline soils, fields

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 2-4dm; hairs below; Lvs: widely oblanceolate to obovate; middle and upper cauline sessile, base lobed, clasping stem; Flr: sepals glabrous; petals 3-4mm; Fr: inflated, not narrowed at septum, glabrous

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Cardaria draba*

Hoary Cress

CalIPC Impact(2006) : Moderate *Introduced*



© Barry A. Rice/The Nature Conservancy  
bamrice@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/cardr01.jpg>

Lifeform

Perennial Herb

Blooming Season

March-June

Habitat

Waste places, low elevations

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 2-5dm; hairs below; Lvs: widely oblanceolate to obovate; middle and upper cauline lvs sessile, base lobed, clasping stem; Flr: sepals glabrous, margin white; petals 3-4mm; Fr: widely cordate or ovate, glabrous

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Brassicaceae

## *Cardaria pubescens*

Whitetop

CalIPC Impact(2006) : Limited *Introduced*



Donald Myrick © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8253+3202+4148+0118](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8253+3202+4148+0118)

Lifeform

Perennial Herb

Blooming Season

April-July

Habitat

Waste places, alfalfa fields

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 1-4dm, hairy; Lvs: dentate; cauline sessile, base lobed, clasping stem; Flr: sepals hairy, margin white; petals 2-3.5mm; Fr: ovate, inflated, not narrowed at septum, hairy

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Brassicaceae

## *Descurainia sophia*

Tansy Mustard

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6043+1631+2694+0039](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6043+1631+2694+0039)

Lifeform

Annual Herb

Blooming Season

May-August

Habitat

Dry waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: hairs sparse to dense, branched; Lf: very deeply 2-3-pinnately lobed; Flr: sepals yellow; petals erect, yellow; Fr: 10-35mm, linear; septum 3-veined

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Brassicaceae

## *Hirschfeldia incana*

Yellow Mustard

CalIPC Impact(2006) : Moderate *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5208+1611+2177+0098](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5208+1611+2177+0098)

Lifeform

Perennial Herb

Blooming Season

May-October

Habitat

Roadsides, creek bottoms

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: branched from base and above; Lvs: basal rosetted, flat on ground, pinnately lobed; Fr: erect, appressed, glabrous; valves 3-7-veined; beak 3-6mm, flat; Seeds: 1 row per chamber, spheric, reddish brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Lepidium densiflorum*

Peppergrass, Pepperwort

Native



© Kurt Schaefer  
kurts@ptsi.net

<http://www.opsu.edu/UnivSchools/ScienceMathNurs/PlantsGrassh/plants/pasturefiles/pasture55.html>

### Lifeform

Annual Herb

### Blooming Season

Not Available

### Habitat

Sandy soils, disturbed places

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: generally 1, erect; hairs minute, flat, obtuse;  
Lvs: basal rosetted, toothed to pinnately lobed; Flr:  
petals 0, rarely vestigial, white; stamens 2; Seed:  
generally margined or winged

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Lepidium lasiocarpum*

Hairy-podded Pepper-grass

Native



© 2004 James M. Andre  
granites@telis.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0204+1000](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0204+1000)

Lifeform

Annual Herb

Blooming Season

April-May

Habitat

Dry flats, washes

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairs rigid; Stem: 1-2(3)dm, branched from base; Lvs: 2-15cm, oblanceolate to oblong, toothed or with obovate to oblong lobes; Flr: sepals 1-1.5mm, widely oblong, purplish, margin thin, white, lower side generally hairy, petals minute or 0

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Brassicaceae

## ***Lepidium latifolium***

Peppergrass

CalIPC Impact(2006) : High *Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0175+3301+3807+0081](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0175+3301+3807+0081)

Lifeform

Perennial Herb

Blooming Season

June-August

Habitat

Waste places

**Characteristics:** [UC Davis Herbarium Specimen:](#)

Lvs: toothed, lower petioled, upper sessile; Infl: panicle; Flr: sepals white; petals white; stamens 6

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Lepidium nitidum*

Shining Peppergrass

Native



© 2001 Steven Thorsted  
steventhorsted@hotmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0601+0066](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0601+0066)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Alkaline soils, flats, slopes

**Characteristics:**

Stem: slender, branches 0-many; Lvs: basal deeply pinnately divided, segments 6-14; cauline less divided to simple, entire; Flr: petals spoon-shaped, white; stamens 6

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Lepidium strictum*

Peppergrass

Native



Jennifer Buck  
jenderbucket@gmail.com

Lifeform

Annual Herb

Blooming Season

March-May

Habitat

Common in hard beaten soil

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairs spreading, simple, pointed; Stem: branched from base; Lvs: basal, lower cauline 1-2-pinnately lobed or divided; Infl: many, crowded; Flr: petals 0 or vestigial; stamens 2

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Brassicaceae

## ***Raphanus raphanistrum***

Jointed Charlock

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+1104+0088](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+1104+0088)

### Lifeform

Annual, Perennial herb

### Blooming Season

April-June

### Habitat

Waste places

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairs sparse; Stem: generally 1, 3-8dm; Lvs: basal 6-20cm; Flr: petals 15-20mm; Fr: 4-8cm (including beak), 3-6mm wide; pedicel ascending, 10-25mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Raphanus sativus*

Wild Radish

CalIPC Impact(2006) : Limited *Introduced*



Joshua H. Viers  
jhviers@ucdavis.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8253+3202+0179+0060](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8253+3202+0179+0060)

Lifeform

Annual, Biennial herb

Blooming Season

February-July

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairs sparse, rarely 0; Stem: 1, 4-12dm; Lvs: basal 10-20cm; Flr: petals 15-25mm; Fr: 3-6cm (including beak), 5-10mm wide; pedicel spreading to ascending, 10-25mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Brassicaceae

## *Rorippa curvisiliqua*

Yellow Water Cress

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6246+3041+2919+0033](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6246+3041+2919+0033)

### Lifeform

Annual, Perennial herb

### Blooming Season

April-September

### Habitat

Wet damp places

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: prostrate to erect, 1-4dm; branches many; Lf: 2-7cm, generally oblong-ob lanceolate, entire to deeply pinnately lobed; Flr: 1-2mm; sepals spreading; petals yellow; Fr: 6-15mm, <1.5mm wide, upcurved or straight; Seed: finely papillate

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

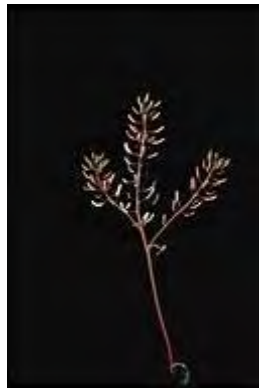
# Plants of the Cosumnes River Preserve

Brassicaceae

## *Rorippa palustris* v. *occidentalis*

Yellow Cress

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6246+3041+2919+0038](http://calphotos.berkeley.edu/cgi/img_query?query_src=&enlarge=6246+3041+2919+0038)

Lifeform  
Annual, Perennial herb

Blooming Season  
April-July

Habitat  
Stream beds, sand bars

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 1 dominant stem from base; Stem: 4-10dm, hairs 0 or sparse below; Lvs: basal and lower cauline short-petioled to sessile, 5-20cm, irregularly dentate to deeply pinnately lobed; Flr: petals 1-2.5mm, widely spoon-shaped, yellow; Fr: gen. >2mm wide

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Sibara virginica*

Rock Cress

Native



Dan Tenaglia - [missouriplants.com](http://missouriplants.com)  
[moflora@hotmail.com](mailto:moflora@hotmail.com)

[http://www.missouriplants.com/Whitealt/Sibara\\_virginica\\_page.html](http://www.missouriplants.com/Whitealt/Sibara_virginica_page.html)

### Lifeform

Annual, Perennial herb

### Blooming Season

April-May

### Habitat

Borders of vernal pools,  
streambeds

### **Characteristics:**

UC Davis Herbarium Specimen:

Stems: 1-several; Lvs: basal loosely rosetted, pinnately lobed, hairs especially on petioles; Flr: sepals generally purplish; petals spoon-shaped, white; Fr: ascending to erect, 2-2.5cm, 1.7-2mm wide, flat, straight, glabrous; Seed: wing narrow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Brassicaceae

## *Sinapis arvensis*

Charlock

*Introduced*



© John M. Randall/The Nature Conservancy  
jarandall@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/sinar01.jpg>

Lifeform

Annual Herb

Blooming Season

March-October

Habitat

Common weed

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 2-6dm; hairs at least below, awl- to bristle-like; Lvs: coarsely toothed; lower 5-15cm; upper simple; Flr: petals more or less 10mm, yellow; Fr: 20-35mm, often narrowed between seeds, 5-12 seeded, reddish-brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Brassicaceae

## *Sisymbrium officinale*

Hedge Mustard

*Introduced*



William R. Hewlett © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=8266+3261+2627+0024](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=8266+3261+2627+0024)

Lifeform

Annual Herb

Blooming Season

April-July

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 30-80cm, stiff; hairs spreading or reflexed, sharp; Lvs: basal oblanceolate, deeply pinnately or irregularly lobed; Flr: petals 3-4mm, pale yellow; Fr: ascending to erect, 8-15mm, narrowly awl-like, beaked; pedicel erect to ascending, 2-3mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Callitrichaceae

## *Callitriche heterophylla*

Water Starwort

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+0653+0035](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+0653+0035)

Lifeform

Perennial Herb

Blooming Season

Spring

Habitat

Wetlands

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: floating rosette; submersed lvs linear-lanceolate; Infl: bracts subtending flrs 2, whitish, inflated; Fr: wing 0 or only above middle

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Callitrichaceae

## *Callitriche marginata*

Water Starwort

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+0394](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+0394)

### Lifeform

Annual Herb

### Blooming Season

March-May

### Habitat

Drying mud of vernal pools

### **Characteristics:**

Plant: mat-forming at water edge or with floating rosettes; Lf: narrowly to widely spoon-shaped; Infl: bracts subtending flrs 2, whitish, inflated; Fr: wing 0 to wide

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Campanulaceae

## *Downingia bicornuta*

Two-horned Downingia

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0856](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0856)

### Lifeform

Annual Herb

### Blooming Season

April-July

### Habitat

Moist places and drying mud,  
vernal pools, ditches

### **Characteristics:**

UC Davis Herbarium Specimen:

Flr: corolla densely white-hairy in tube, lower lip blue-purple, with a central white field including yellow-green spots, base purple with 2 nipple-like projections; anthers with 2 larger bristles at tip of 2 smaller ones, tightly twisted together

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Campanulaceae

## *Downingia ornatissima*

Solano Downingia

Native



© 2003 George W. Hartwell  
chaparral95640@hotmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0503+0826](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0503+0826)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal Pools

**Characteristics:**

UC Davis Herbarium Specimen:

Flr: corolla with lateral sinuses larger than upper, the one between 2 upper lobes with a backward-projecting, short horn, lower lip lavender-blue with central white field including 2 small yellow and 2 minute purple spots at angle of throat

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Campanulaceae

## ***Downingia pusilla***

Dwarf Downingia

**Native**



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+1142](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+1142)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal Pools

**Characteristics:**

UC Davis Herbarium Specimen:

Rare; Flr: not inverting; corolla upper lip 3-lobed, with 2 minute yellow spots near throat, lobes white or blue, narrowly triangular, acute; Seed: spirally striate, appearing twisted

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Campanulaceae

## *Legenere limosa*

Legenere

Native



© 2000 John Game  
jcggame@lbl.gov

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1101+0372](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1101+0372)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: emergent or terrestrial, glabrous; Stem: reclining; lateral branches erect, slender, stiff, sometimes fleshy; Lvs: narrowly triangular; Infl: raceme, terminal; bract 1 per flower; Flr: corolla white; stamens fused into tube; ovary inferior

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Caryophyllaceae

## *Cerastium glomeratum*

Mouse Chickweed

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5205+1622+2824+0096](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5205+1622+2824+0096)

Lifeform

Annual Herb

Blooming Season

February-May

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairy; Stem: flowering stems ascending to erect; Infl: bracts herbaceous; Flr: calyx glandular-hairy; petals often 0 on lateral branches

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Caryophyllaceae

## *Petrorhagia prolifera*

Childing pink, Pink grass

*Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6249+3022+3910+0045](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6249+3022+3910+0045)

Lifeform  
Annual Herb  
Blooming Season  
Not Available  
Habitat  
Disturbed areas

**Characteristics:** [UC Davis Herbarium Specimen:](#)   
Stem: internodes glabrous; Lf: blade 12-30mm; Infl: head-like; bracts obtuse or outer abruptly pointed; Flr: petals truncate or notched, pink to slightly purplish; Seed: surface sculpture worm-like

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Caryophyllaceae

## *Sagina decumbens ssp. occidentalis*

Western Pearlwort

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0371](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0371)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Wet areas, vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 4-16cm; Stem: thread-like, generally erect or ascending; Lf: not fleshy, glabrous; blade 4-20mm, narrowly linear; Infl: pedicels 2-14mm, thread-like; Flr: sepals generally 5, petals generally 5; stamens 5 or 10

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# ***Plants of the Cosumnes River Preserve***

Caryophyllaceae

## ***Silene gallica***

Windmill Pink

*Introduced*



Dr. Robert Thomas and Margaret Orr © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=9092+3191+3542+0057](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=9092+3191+3542+0057)

Lifeform

Annual Herb

Blooming Season

February-June

Habitat

Fields, waste places

**Characteristics:**

[UC Davis Herbarium Specimen:](#)

Stem: decumbent to erect, short-rough-hairy to minutely bristly; Lvs: gradually reduced upward; Infl: axillary and terminal; flowers ascending to erect; Flr: calyx glandular-hairy (especially on veins), 10-veined; petals white-pink or lavender, styles 3

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Caryophyllaceae

## ***Spergularia bocconeii***

Boccone's Sand Spurry

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0112](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0112)

Lifeform

Annual Herb

Blooming Season

April-September

Habitat

Along paths, alkaline places

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: fleshy, axillary clusters 0 or 1-2lvd; stipules;  
Infl: gen. 1-6, flrs on upper branches often on one  
side, glandular-hairy; Flr: sepals fused, 5 petals  
white or pink to rosy, stamens 8-10, styles 0.4-  
0.6mm; Seed: wingless, light brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Caryophyllaceae

## *Spergularia macrotheca* var. *leucantha*

White Sticky Sand-Spurry

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6249+3022+3539+0073](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6249+3022+3539+0073)

### Lifeform

Perennial Herb

### Blooming Season

April-June

### Habitat

Alkaline marshes, meadows,  
fields, mud flats

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: 10-40cm; Lf: fleshy, stipules 4.5-11mm; Flr:  
calyx lobes 4.5-5.5mm, <6.5mm in fruit; petals  
white; stamens 9-10; styles 1.2-1.8mm; Fr: 1.2-1.4  
X calyx; Seed: 0.7-0.8mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Caryophyllaceae

## *Spergularia rubra*

Purple Sand-spurry

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6249+3022+3539+0077](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6249+3022+3539+0077)

Lifeform

Annual, Perennial herb

Blooming Season

April-September

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: delicate, swollen nodes; Lvs: scarcely fleshy, 2-4+/axillary cluster; stipules 3.5-5mm, shiny white; Infl: 1-3+X compound or flr axillary, solitary, glandular-hairy; Flrs: sepals fused 0.5-0.7mm, petals pink; Seeds: tiny brown, stick to plant

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Caryophyllaceae

## *Stellaria media*

Common Chickweed

*Introduced*



Ingrid B. Hogle  
ibhogle@mindspring.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0304+0813](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0304+0813)

Lifeform

Annual Herb

Blooming Season

February-September

Habitat

Common weed

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: prostrate to erect; Stem: internodes hairy in line; Lvs: blade 8-45mm, more or less ovate and flat, shiny; Infl: terminal or axillary, few-flowered; bracts leafy; Flr: sepals 5, 3-4.5mm; petals 5, 0.7-0.9 times the size of the sepals

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Convolvulaceae

## ***Convolvulus arvensis***

Bindweed

CalIPC Impact(2006) : Eval No List *Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+1112](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+1112)

### Lifeform

Perennial herb, Vine

### Blooming Season

May-October

### Habitat

Waste places

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: prostrate or twining; Lf: blade round, oblong or ovate, base hastate; Infl: 1-several-flowered; Flr: corolla 2-2.5cm, open funnel-shaped, white, purplish outside, particularly at folds, margin entire

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Convolvulaceae(Cuscutaceae)

## ***Cuscuta howelliana***

Boggs Lake Dodder

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0852](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0852)

Lifeform

Vine

Blooming Season

Not Available

Habitat

Uncommon

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: yellowish orange; Infl: spike or head-like, pedicels generally 0; Flr: perianth parts papillate, acute; calyx 1.5-3mm, lobes 4-5, not overlapped, loose around corolla tube, 1-1.4mm, partly divided, triangular, tips spreading, acute to acuminate

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# ***Plants of the Cosumnes River Preserve***

Convolvulaceae(Cuscutaceae)

## ***Cuscuta pentagona***

Five Angled Dodder, Western Field Dodder

**Native**



© 1999 Doreen L. Smith  
dsmith@lvha.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0103+0520](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0103+0520)

Lifeform

Annual herb, Vine

Blooming Season

Not Available

Habitat

Parasite on herbs and shrubs

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: yellowish orange; Flr: calyx lobes 4-5, gland-dotted; corolla shallowly bell-shaped, tube wider than long, lobes 4-5, erect, tips incurved to reflexed

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cornaceae

## *Cornus glabrata*

Brown Dogwood

Native



© 2003 Charles E. Jones  
charliejones@aol.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0503+0761](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0503+0761)

Lifeform

Tree, Shrub

Blooming Season

Not Available

Habitat

Moist areas

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: grey-green, undersides sometimes paler, veins  
3-4 pairs; Flr: dull white; Fr: white to bluish, smooth

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cornaceae

## *Cornus sericea*

American Dogwood

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5208+1611+0574+0053](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5208+1611+0574+0053)

<u>Lifeform</u>	<b>Characteristics:</b>	<u>UC Davis Herbarium Specimen:</u> <input checked="" type="checkbox"/>
Shrub	Shrub; Stem: branches reddish to purple; Lvs: deciduous; blade paler beneath, veins 4-7 pairs; Infl: cyme, strigose; Flr: petals 2-4.5mm; Fr: white to cream; stone smooth to grooved on face, furrowed on sides	
<u>Blooming Season</u>		
May-June		
<u>Habitat</u>		
Moist places		
	<a href="http://ucjeps.berkeley.edu/interchange.html">http://ucjeps.berkeley.edu/interchange.html</a>	
	<a href="http://www.calflora.org/">http://www.calflora.org/</a>	

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Crassulaceae

## *Crassula aquatica*

Water Pygmy Weed

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+0397](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+0397)

Lifeform

Annual Herb

Blooming Season

March-July

Habitat

Salt marshes, vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: decumbent, branched at base, rooting at lower nodes; Lf: tip acute; Infl: 1 flower per leaf pair, solitary in leaf axils; Flr: 1-2mm, sepals fused at base, petals free or  $\pm$  fused, stamen number = sepal number

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Crassulaceae

## *Crassula connata*

Red Carpet

Native



© 2003 Keir Morse  
uvularia@keiriosity.com.

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1203+0377](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1203+0377)

Lifeform

Annual Herb

Blooming Season

February-May

Habitat

Open areas

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: erect, 2-6cm, branched or not, in age red;  
Lf: tip obtuse, acute or fine-pointed; Flr: 0.5-2 mm,  
petals generally < sepals; Fr: tapered to styles;  
Seed: 1-2, elliptic

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Crassulaceae

## ***Crassula tillaea***

Moss Pygmy-weed

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0404+0408](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0404+0408)

Lifeform

Annual Herb

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: 1-6cm, red with age; Flr: 1(2) per leaf pair

Blooming Season

Not Available

Habitat

Open, gravelly sites

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Bolboschoenus (Scirpus) fluviatilis*

River Bullrush

Native



© 2004 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0104+0770](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0104+0770)

### Lifeform

Perennial Herb

### Blooming Season

June-July

### Habitat

Freshwater marsh

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: 5-15mm wide, 3-angled, smooth; Lvs: cauline, sheaths veined at top; blades >> sheaths, gen. 6-20mm wide when dry; Infl: panicle-like; spiklets ± 8-50, 15-28mm wide in clusters at branch tips, light brown; perianth bristles 6, 3 stigmas; fr: 3 angled

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Carex athrostachya*

Slenderbeak Sedge

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0103+0521](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0103+0521)

### Lifeform

Perennial Herb

### Blooming Season

Not Available

### Habitat

Seasonally moist meadows,  
marshes

### **Characteristics:**

UC Davis Herbarium Specimen:

Infl: dense, green to light brown; Fr: perigynium  
appressed to ascending, 2.8-4.8mm, green to light  
brown, veins weak, beak tip cylindric, unwinged  
and entire

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Cyperaceae

## *Carex barbarae*

Santa Barbara's Sedge

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0203+0076](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0203+0076)

### Lifeform

Perennial Herb

### Blooming Season

Not Available

### Habitat

Valley flats in wet spring

### **Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheath front purple, lower shredding to network or fringe of veins; Infl: lateral spikelets 2.5-8cm, brown; pistillate flr bract awned, awn or tip hairy; Fr: perigynia 50-200 per spikelet, brown, red-dotted, tough

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Carex fracta*

Fragile Sheath Sedge

Native



George W. Hartwell  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=ucjeps&enlarge=0000+0000+0706+1469](http://calphotos.berkeley.edu/cgi/img_query?query_src=ucjeps&enlarge=0000+0000+0706+1469)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Common, moist soils.

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: blade 2.5-6mm wide, white stip extending >10mm below mouth of sheath, ligule 3-8mm; Infl: dense, 2.5-8cm, whitish green to pale gold; Fr: perigynium ascending, 2.5-4.5mm, green to pale gold, veins strong on back, beak tip cylindric

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Carex neurophora*

Alpine Nerve Sedge

**Native**



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0403+0064](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0403+0064)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Graminoid

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: winged or not, spongy when fresh; Lvs: not tufted at stem base; blades 1.5-3 mm wide, sheath fronts often cross-wrinkled, mouth with tongue-like extension; Infl: dense, 1-2.5cm, 6-15mm wide; spikelets < 10, indistinct, pistillate flower bract brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Carex ovalis*

Eggbract Sedge

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0603+0192](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0603+0192)

### Lifeform

Perennial Herb

### Blooming Season

Not Available

### Habitat

Seasonally wet soil

### **Characteristics:**

UC Davis Herbarium Specimen:

Infl: open 15-40mm, pistillate flower bract covering perigynium, red-gold to brown or greenish, center gold, tip white; Fr: perigynium 3.4-5.2mm, gold to light brown, veins both sides

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Carex pachystachya*

Chamisso Sedge

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1203+0163](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1203+0163)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Dryish meadows, open forests

**Characteristics:**

UC Davis Herbarium Specimen:

Infl: dense, spikelets >5; pistillate flr bract reddish to brown throughout; Fr: perigynium ascending-spreading, planoconvex, dark gold to brown, metallic, often copper, upper margin dark brown or coppery

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Carex praegracilis*

Sedge

Native



Ingrid B. Hogle  
ibhogle@mindspring.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1204+0400](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1204+0400)

Lifeform  
Perennial Herb  
Blooming Season  
Not Available  
Habitat  
Moist places

**Characteristics:** [UC Davis Herbarium Specimen:](#)   
Lf: flat or V-shaped; sheath mouth with thick rim;  
Infl: dense, spikelets <10, pistillate flr bract gold to brown, white-margined, minutely pointed to awned;  
Staminate Flr: filament exerted; Pistillate Flr: style included

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Carex tumulicola*

Splitawn Sedge

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0503+0759](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0503+0759)

### Lifeform

Perennial Herb

### Blooming Season

Not Available

### Habitat

Meadow grassy slopes, open woodlands

### **Characteristics:**

UC Davis Herbarium Specimen:

Infl: open, flexible; lowest spikelet bract bristle-like; pistillate flr bract red, white-margined, awned; Fr: perigynium appressed, light green to brown, veins several on back, 0 on front, beak teeth reddish, tip notched

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Cyperus difformis*

Variable Nutsedge

*introduced*



© 2006 Dean Wm. Taylor, Ph.D  
dwtaylor@cruzers.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0806+0956](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0806+0956)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Ditches, pond shores

**Characteristics:**

UC Davis Herbarium Specimen:

Infl: bracts 2-3; rays 0-4; spikelets 50-100+ in dense, subspheric, yellowish or purplish, rayed or sessile heads; flr bracts 6-30 per spikelet, obovate, yellow to yellowish brown; Fr: obovoid-ellipsoid, glossy

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Cyperaceae

## *Cyperus eragrostis*

Umbrella Grass

Native



© 2005 James M. Andre  
granites@telis.org.

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0105+2740](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0105+2740)

### Lifeform

Perennial Herb

### Blooming Season

May-November

### Habitat

Shallow water

### **Characteristics:**

UC Davis Herbarium Specimen:

Infl: bracts 4-8, 3-50cm; rays 0-10; spikelets 20-70, 5-20mm, flat, oblong, in spheric heads; flr bracts 6-12 per spikelet, beige; Fr: stalked, finely reticulate, black or dark brown; tip beaked

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Cyperus erythrorhizos*

Redroot Sedge

Native



© 2003 Keir Morse  
uvularia@keiriosity.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1103+0742](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1103+0742)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Wet areas, floodplain

**Characteristics:**

UC Davis Herbarium Specimen:

Roots: reddish; Infl: bracts 3-11; spikelets 20-150, linear, light reddish brown, in open, ovoid-cylindric spikes, these 1-6 per ray; flr bracts 6-30 per spikelet, overlapped, tips obtuse, lateral veins 0; Fr: light gray to brown, glossy, sides unequal

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Cyperus esculentus*

Yellow Nutsedge

Native



© Rachel A. Hutchinson  
rahutchinson@ucdavis.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0175+3301+2283+0055](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0175+3301+2283+0055)

Lifeform

Perennial Herb

Blooming Season

Mid-summer

Habitat

Wet areas, disturbed

**Characteristics:**

Stem: 1; Infl: bracts 3-7; rays 5-10; spikelets 5-30mm, linear, brown, in open, widely elliptic spikes; flr bracts 2-3mm, overlapped, ovate to elliptic, yellowish brown; Fr: elliptic, seldom maturing

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Cyperus involucratus*

Umbrella Plant

*Introduced*



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1203+0421](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1203+0421)

### Lifeform

Perennial Herb

### Blooming Season

Not Available

### Habitat

Ditches, shores

### **Characteristics:**

UC Davis Herbarium Specimen:

Lvs: basal blades 0; Infl: bracts (10)14-22; rays 14-22; spikelets linear to ovate, in stellate clusters; Flr: bract ovate-deltate, light brown, lateral veins 0; Fr: finely pitted

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Cyperaceae

## *Cyperus rotundus*

Purple Nutsedge

*introduced*



© 2005 Luigi Rignanese  
rgnlgu@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0905+0957](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0905+0957)

### Lifeform

Perennial Herb

### Blooming Season

July-November

### Habitat

Disturbed places

### **Characteristics:**

UC Davis Herbarium Specimen:

Infl: bracts 2-5, 5-20cm; rays 5-10; spikelets 3-12, 4-40mm, flat, reddish purple, in open, elliptic spikes; flr bracts 6-36 per spikelet, 7-9-veined; Fr: elliptic, black, seldom maturing

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Cyperaceae

## ***Cyperus squarrosus***

Bearded Flatsedge, Awned Cyperus

**Native**



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1203+0495](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1203+0495)

Lifeform

Annual Herb

Blooming Season

June-November

Habitat

Moist, disturbed places

**Characteristics:**

Infl: bracts 1-4; rays 0-6; spikelets 1-30, flat, greenish, yellowish or reddish brown; flower bracts 2-8 per spikelet, 5-11-veined; Flr: stamen 1

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Cyperaceae

## ***Eleocharis acicularis***

Needle Spikerush

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1104+0737](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1104+0737)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Wet areas, vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: several, generally spaced, needle-like; Infl: spikelet 5-15-flowered; flr bract straw-colored with (reddish) brown stripes; Flr: style 3-branched; Fr: perianth bristles 0 or 3; body weakly 3-sided, dull yellow-white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Cyperaceae

## *Eleocharis acicularis* v. *bella*

Least Spikerush

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1203+0546](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1203+0546)

Lifeform

Perennial Herb

Blooming Season

May-August

Habitat

Muddy riverbanks

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: several, generally spaced, needle-like; Infl: spikelet 5-15-flowered; flr bract straw-colored with (reddish) brown stripes; Flr: style 3-branched; Fr: perianth bristles 0; body weakly 3-sided, dull yellow-white, 30-40 crossbars per row

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Cyperaceae

## *Eleocharis macrostachya*

Creeping Spikerush

**Native**



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0903+0276](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0903+0276)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Marshes, ponds, ditches

**Characteristics:**

UC Davis Herbarium Specimen:

Infl: spikelet 5-25mm, not much wider than stem, 10-many flowered; Flr: style 2-branched; Fr: perianth bristles unequal; fr body obovate, strongly 2-sided, yellowish brown, base narrowed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Cyperaceae

## *Eleocharis montevidensis*

Montevideo Spikerush

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+1203+0643](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+1203+0643)

### Lifeform

Perennial Herb

### Blooming Season

May-September

### Habitat

Moist ground

### **Characteristics:**

UC Davis Herbarium Specimen:

Lf: purplish brown, becoming straw-colored above;  
tip truncate, 1-toothed; Infl: spikelet 10-many-  
flowered, flr bract brownish to yellowish, margin  
translucent; Flr: style 3-branched

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Lipocarpa micrantha*

Smallflower Halfchaff Sedge

Native



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0104+0467](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0104+0467)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Wet Soil

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 1-10cm; Infl: spikes 1-3, dense, cylindric, oblong to cylindric, no inner flower bract or 1/2 the fruit; Fr: 0.7-0.8mm, widest near middle, finely pitted, light brown; faces convex

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Scirpus aff. maritimus*

Prairie Rush, Prairie Bullrush

Native



© 2004 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0104+0903](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0104+0903)

### Lifeform

Perennial/rhizome

### Blooming Season

Not Available

### Habitat

Marshes

### **Characteristics:**

UC Davis Herbarium Specimen:

Stems:  $\pm$ 3-8mm wide, 3-angled, sides smooth; Lvs:  $\pm$ cauline, sheath top opp. blade with v-shaped veinless area; Infl: spikelets: 4- many; Flr: perianth bristles general 6, 2 stigmas, Fr: smooth, shiny, dark brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Cyperaceae

## *Scirpus californicus*

California Bullrush

Native



© 2004 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0104+0743](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0104+0743)

### Lifeform

Perennial Herb

### Blooming Season

June-September

### Habitat

Freshwater marsh

### **Characteristics:**

UC Davis Herbarium Specimen:

Stems: erect, <10mm wide. 3-angled; Infl: panicle-like; spikelets 20-many, clustered at branch tips, 5-11mm; main bract 3-8cm, erect, stiff; flr bract orange-brown, midrib thick, margin woolly, tip notch short; Flr: perianth bristles 2-4, flat, 2 stigmas

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Dipsacaceae

## *Dipsacus fullonum*

Wild Teasel

CalIPC Impact(2006) : Moderate *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6043+1631+2694+0081](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6043+1631+2694+0081)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Roadsides, pastures, old ag  
fields

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: pairs shallowly fused around stem; Infl: 5-10cm  
ovoid-cylindric; Fr: 6-8mm

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Elatinaceae

## *Elatine californica*

California Waterwort

Native



© 2003 Keir Morse  
keir\_morse@yahoo.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+1103+0574](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+1103+0574)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Wetlands

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: oblong, tapered to base; Infl: flowers 1 per node;  
Flr: sepals 4, fused in basal; petals 4; stamens 8;  
Fr: chambers 4; Seed: oblong to elliptic

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Euphorbiaceae

## *Chamaesyce ocellata*

Sandmat

Native



© 2003 Keir Morse  
uvularia@keiriosity.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1103+0613](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1103+0613)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Dry disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: prostrate, glabrous to hairy; Lf: stipules separate, thread-like; blade ovate to lanceolate, margin entire, rolled down; Infl: involucre obconic to bell-shaped; Staminate Flrs: 40-60

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Euphorbiaceae

## *Chamaesyce serpyllifolia*

Thyme-leaved Spurge

Native



© 2004 James M. Andre  
granites@telis.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0104+1092](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0104+1092)

Lifeform

Annual Herb

Blooming Season

August-October

Habitat

Dry disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: prostrate to ascending, glabrous to hairy; Lf: stipules separate, linear; blade ovate to oblong, tip rounded, margin finely toothed; Infl: bell-shaped involucre; Staminate Flrs: 5-18

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Euphorbiaceae

## *Eremocarpus setigerus*

Turkey Mullein

Native



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1103+0220](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1103+0220)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Grasslands, roadsides

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: mound-like, monoecious, sap clear; Stem: much-branched from base; Lvs: simple, cauline, alternate; blade densely soft stellate-hairy, 3-veined (raised); Staminate Flr: sepals 5-6, petals 0, stamens 6-10; Pistillate Flr: sepals and petals 0

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Euphorbiaceae

## ***Sapium sebiferum***

Chinese Tallow Tree

CalIPC Impact(2006) : Moderate *Introduced*

---



© Barry A. Rice/The Nature Conservancy  
bamrice@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/sapse13.jpg>

Lifeform

Tree

**Characteristics:**

UC Davis Herbarium Specimen:

Tree: Grows up to 12m; Lvs: simple, entire petiolate, up to 7cm long, fall foliage red; Milky white sap; Infl: drooping catkins

Blooming Season

Habitat

Riparian Areas

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Gleditsia triacanthos*

Honey Locust

CalIPC Impact(2006) : Eval No List *Introduced*



Rose Cooper @ Texas Agricultural Experiment Station at Uvalde  
r-cooper@tamu.edu

<http://uvalde.tamu.edu/herbarium/gltr.htm>

Lifeform

Perennial Herb

Blooming Season

Late Spring

Habitat

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: Spines on trunk; Lvs: dissected

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Glycyrrhiza lepidota*

Wild Licorice

Native



Nicholas J. Jensen  
nickjjensen1@yahoo.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0506+2063](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0506+2063)

Lifeform

Perennial Herb

Blooming Season

May-July

Habitat

Moist places below 7500 feet

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: glabrous to very glandular-hairy(sticky); Lvs: leaflets 9-19; Infl: dense; Flr: corolla 9-14mm, yellowish or greenish-white; Fr: 12-15mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Hoita macrostachya*

Leather Root

Native



© 2003 Michael Charters  
mmlcharters@calflora.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1101+0300](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1101+0300)

Lifeform

Perennial Herb

Blooming Season

not available

Habitat

Streamsides, marshes, spring-  
moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect, < 2 m, much-branched, gen. striate, base hollow; Lf: stipule 1.5-5 mm, petiole 7-62 mm, leaflet 2-10 cm, lanceolate, both surfaces glandular; Infl: < 30 cm; bract 3-11 mm; Flr: 9-10 mm, calyx 4.5-9 mm, banner 5.5-10 mm; Fr: 6-8 mm, brown

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Lathyrus jepsonii* v. *californicus*

Wild Pea

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6040+1631+1308+0003](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6040+1631+1308+0003)

### Lifeform

Tree, Shrub

### Blooming Season

April-June

### Habitat

Along watercourse, sandy  
slope

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: puberulent, sometimes glabrous; Stem:  
climbing, winged; Lf: stipules small, narrow; leaflets  
10-16, subopposite to alternate; tendril branched,  
coiled; Infl: 6-15-flowered, corolla pink to pink-  
purple

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Lotus corniculatus*

Bird's Foot Trefoil

CalIPC Impact(2006) : Eval No List *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6121+1611+3983+0036](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6121+1611+3983+0036)

### Lifeform

Perennial Herb

### Blooming Season

June-September

### Habitat

Lawns, roadsides

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent or ascending; Lf: stipules gland-like, leaflets 5, lower 2 stipular in position; Infl: 3-8-flowered; Flr: corolla bright yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Fabaceae

## *Lotus purshianus* v. *purshianus*

Spanish Lotus

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0840](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0840)

### Lifeform

Annual Herb

### Blooming Season

May-October

### Habitat

Dry fields, disturbed

### **Characteristics:**

Plant: hairy; Stem: prostrate to erect; Lf: pinnate, stipules gland-like; leaflets 3; Infl: 1-flowered; Flr: corolla yellow to pink

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Fabaceae

## ***Lotus wrangelianus***

Chilean Bird's-Foot Trefoil

**Native**



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0886](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0886)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: strigose or hairs soft; Stem: prostrate, branched at base; Lf: leaflets 4; Infl: 1-flowered; Flr: sometimes not opening, corolla yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Lupinus benthamii*

Spider Lupine

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6121+1611+3981+0030](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6121+1611+3981+0030)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Rocky slopes, open areas

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: leaflets 7-10, 20-50mm, linear, upper surface glabrous; Infl: 6-30cm; flrs whorled or not; Flr: calyx upper lips deeply lobed; petals bright blue, banner spot whitish becoming magenta, upper keel margins glabrous, lower keel margins ciliate near claw

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Lupinus bicolor*

Miniature Lupine

Native



Beatrice F. Howitt © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8253+3202+0180+0066](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8253+3202+0180+0066)

Lifeform

Annual, Perennial herb

Blooming Season

March-June

Habitat

Sandy places below 3000 feet

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: leaflets 5-7, 10-40mm, 1-5mm wide; Infl: whorls generally 5; Flr: 4-10mm; calyx upper lip deeply lobed; petals blue (rarely light blue, pink, or white), banner spot white, becoming magenta, keel whitish, pointed, upper keel margins ciliate near tip

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Lupinus microcarpus var. densiflorus*

Chick Lupine

Native



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8076+3101+0666+0127](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8076+3101+0666+0127)

Lifeform

Annual Herb

Blooming Season

not available

Habitat

Open or disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: petiole 3-15cm, leaflets: 5-11; Flr: Calyx ± sparse, appressed to hairy, petals gen. white to yellow, pink- or lavender-tinged or not; Fr: gen. on 1 side of infl. Axis; Seeds: 2, tan to brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Medicago polymorpha*

California Bur-clover

CalIPC Impact(2006) : Limited *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6205+3041+0702+0082](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6205+3041+0702+0082)

Lifeform  
Annual Herb  
Blooming Season  
March-June  
Habitat  
Grassy places

**Characteristics:** [UC Davis Herbarium Specimen:](#)   
Stem: prostrate, mat-forming, or ascending; Lf: stipules cut 1/2 width or deeper; leaflets generally 1-2cm, wedge-shaped or obovate; Infl: 2-6-flowered; Flr: corolla 3.5-6mm, yellow; Fr: coiled 2-6 turns, prickles straight, hooked, or 0

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Melilotus albus*

White Sweet Clover

*Introduced*



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8120+3181+4013+0012](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8120+3181+4013+0012)

Lifeform

Annual Herb

Blooming Season

May-September

Habitat

Damp waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Indistinguishable from *M. officinalis* prior to flower;  
Stem: 0.5-2m; Lvs: leaflets 1-2.5cm, elliptic,  
±toothed; Infl: slender, axis gen. 3-8 cm; Flr:  
calyx±2mm, corolla 4-5mm, white; Fr: 3-5mm, ovoid  
with network of lines; Seed: 1

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Melilotus indicus*

Yellow Melilotus

*Introduced*



© 2006 Luigi Rignanese  
rignlgu@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0505+1105](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0505+1105)

Lifeform

Annual Herb

Blooming Season

Early Spring

Habitat

Damp waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: leaflets 1-2.5cm, oblanceolate to wedge-shaped-  
obovate; Infl: slender, compact; Flr: calyx 1-1.5mm;  
corolla 2.5-3mm, yellow; Fr: 2-3mm, ovoid, bumpy  
or with obscure lines

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Fabaceae

## *Melilotus officinalis*

Yellow Sweetclover

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0105+2048](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0105+2048)

Lifeform

Biennial Herb

Blooming Season

May-August

Habitat

Open, disturbed sites

**Characteristics:**

UC Davis Herbarium Specimen:

Leaves: gen. compound, alternate, stipuled, leaflets gen. entire; Infl: gen. raceme, spike, umbel or head; flowers sometime 1-2 in axils; Flr: gen. bisexual & bilateral, hypanthium gen. flat or cup-like, sepals gen. 5, fused, petals gen. 5

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Robinia pseudoacacia*

Black Locust

CalIPC Impact(2006) : Limited *Introduced*



© 2000 Joe DiTomaso  
jmditomaso@ucdavis.edu.

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0102+0385](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0102+0385)

Lifeform

Tree

Blooming Season

Not Available

Habitat

Streambanks

**Characteristics:**

UC Davis Herbarium Specimen:

Tree; Infl: pendent; Stem: has thorns; Fr: flat, upper margin narrowly winged

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Sesbania punicea*

Rattlebox

CalIPC Impact(2006) : High *Introduced*

---



© Barry A. Rice/The Nature Conservancy  
bamrice@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/sespu02.jpg>

Lifeform

Tree, Shrub

Blooming Season

Habitat

**Characteristics:** UC Davis Herbarium Specimen:

Tree: deciduous, up to 4 meters tall; Lvs: 1-20 long compound, 10-40 tiny pointed tipped leaflets; Flr: coral or red, droop or project outwards, 2-3cm, like pea flowers; Seedpod: 4-winged, oblong, 6-8cm

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium bifidum*

Notchleaf Clover

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6249+3022+3908+0080](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6249+3022+3908+0080)

Lifeform

Annual Herb

Blooming Season

April-June

Habitat

Grassy places below 2000  
feet

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: sprawling to erect; Lvs: cauline; leaflets 1-2cm, oblanceolate to obovate, tip generally notched; Infl: head- or umbel-like, 5-many-flowered; Flr: calyx lobes >> tube, bristle-tipped, often with a few fine hairs; corolla dull yellow to pink-purple

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium ciliolatum*

Foothill Clover

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+1104+0105](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+1104+0105)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect; internodes long; Lvs: upper stipules bristle-tipped; leaflets 1-3cm, serrate; Infl: head-like, ovoid or spheric, a ring of tiny bracts often at base; Flr: calyx lobes unequal, ciliate with flat bristles; corolla pink to purple

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium depauperatum* v. *amplectens*

Ballon Clover

Native



© 2004 George W. Hartwell  
chaparral95640@hotmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0341](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0341)

Lifeform

Annual Herb

Blooming Season

March-May

Habitat

Moist alkaline places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: often very small, glabrous; Lvs: cauline; leaflets 0.5-2cm, sometimes lobed, tip often truncate; Infl: involucre bracts 4-5; head-like, 3-many-flowered; Flr: corolla 5-6mm, pink-purple, white-tipped, banner inflated in fruit; Seeds: 1-5

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Fabaceae

## ***Trifolium dubium***

Little Hop Clover

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0880](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0880)

Lifeform

Annual Herb

Blooming Season

May-July

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent to erect; Lvs: 1-pinnate, cauline; leaflets 0.6-1.2cm, obovate; Infl: head- to more or less spike-like, 5-10(20)-flowered; flowers quickly reflexed; Flr: corolla 3.5-4mm, bright yellow, becoming brown, weakly striate

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Trifolium fragiferum*

Strawberry Clover

*Introduced*

---



© 2005 Jennifer Buck  
jenderbucket@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0605+0986](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0605+0986)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Roadsides, lawns

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: glabrous; Lvs: more or less basal; stipules generally overlapping; leaflets 0.5-2cm, elliptic to obovate; Infl: head-like, in fruit more or less 2cm wide, spheric, fuzzy, red or brown; Flr: calyx in fruit inflated; corolla 5-6mm, pink

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Trifolium gracilentum*

Pin-point Clover, Graceful Clover

Native



© 2006 Doreen L. Smith  
dsmith@lvha.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1206+0039](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1206+0039)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: leaflets 5-15mm; Infl: umbel, 3-many-flowered; involucre abortive; pedicels 1-2mm; Flr: glabrous, tube 10-veined, pink to pink-purple; Seeds: 1-2

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium hirtum*

RoseClover

CalIPC Impact(2006) : Moderate *Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0565](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0565)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairy; Stem: ascending or erect; Lvs: cauline; leaflets 1-2.5cm, obovate; Infl: head, many-flowered; sessile above 1-2 more or less reduced leaves with involucre-like stipules; Flr: corolla 11-15mm, general pink

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium microcephalum*

Smallhead Clover

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0404+0283](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0404+0283)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairs generally soft, wavy; Lvs: cauline; leaflets 0.8-2cm, tips notched; Infl: head, 7-many-flowered, often bur-like in fruit; Flr: calyx 4-6mm, tube 10-veined, bristle-tipped; corolla 4-7mm, pink to lavender

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium microdon*

Thimble Clover

Native



© 2005 Jennifer Buck  
jenderbucket@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0505+0850](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0505+0850)

Lifeform

Annual Herb

Blooming Season

March-June

Habitat

Open valleys and slopes

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent to erect; Lvs: cauline; stipules wide; leaflets 0.5-1.5cm, tip truncate or notched; Infl: head-like, 5-many-flowered; involucre cup-shaped, divisions bristle-tipped; Flr: calyx tubed 10-veined; corolla 4-6mm, white to pink

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium obtusiflorum*

Clammy Clover

*Introduced*



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8120+3181+4016+0033](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8120+3181+4016+0033)

Lifeform

Annual Herb

Blooming Season

April-July

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect; Lvs: cauline; stipules deeply cut; Infl: head-like, 1.5-3cm wide; Flr: calyx 9-11mm, tube slitting between upper lobes, bristle-tipped; corolla 14-18mm, pale lavender to dull purple, tips white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium pratense*

Red Clover

*Introduced*



© 2001 Nick Kurzenko  
kurzenko@ibss.dvo.ru

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+1101+0069](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+1101+0069)

Lifeform

Perennial Herb

Blooming Season

Late Spring

Habitat

Disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: ascending; Lvs: cauline; leaflets 1.5-3.5cm, elliptic to obovate; Infl: terminal, above pair of reduced leaves, head-like; Flr: calyx 4.5-7.5mm, tube 10-veined; corolla 11-15mm, red-purple

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium repens*

White Clover

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6249+3022+3909+0049](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6249+3022+3909+0049)

Lifeform

Perennial Herb

Blooming Season

April-December

Habitat

Wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: creeping, rooting; Lvs: cauline, clearly alternate or clustered; stipules white-membranous; Infl: umbel-like; flowers becoming reflexed; Flr: calyx 3-6mm, lobes tapered; corolla 7-11mm, white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Trifolium subterraneum*

Subterranean Clover

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0305](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0305)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grassland, disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairy; Stem: prostrate, creeping, rooting; Lvs: cauline, clearly alternate or clustered; Infl: head-like, bur-like in fruit; Flrs: outer 2-8, fertile, corolla 8-14mm, yellow and purple; inner many, sterile, calyx with 4-5 bristles at tip

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium variegatum*

White-tipped Clover

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0307](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0307)

Lifeform

Annual Herb

Blooming Season

April-July

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: prostrate to erect; Lvs: cauline; leaflets generally obovate or wedge-shaped; Infl: head-like, 0.5-2.5cm wide, 1-many-flowered; Flr: tube 10-many-veined, bristle-tipped; corolla 3.5-16mm, lavender to purple, tips generally white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Trifolium willdenovii*

Tomcat Clover

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0881](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0881)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Disturbed, heavy soils

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: sprawling to erect; Lvs: cauline; stipules  
bristle-tipped; Infl: head-like, generally lobed;  
involucre wheel-like, sharply lobed or dissected;  
Flr: calyx shiny, tube slitting between upper lobes;  
corolla lavender to purple, tip generally white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Vicia americana* v. *americana*

American Purple Vetch

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6249+3022+3911+0082](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6249+3022+3911+0082)

Lifeform

Perennial herb, Vine

Blooming Season

Late Spring

Habitat

Riparian, wet areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairy or glabrous; Stem: sprawling or short and erect; Lf: leaflets 8-16, 1-3.5cm, widely elliptic, tip notched or 1-5 toothed; Infl: flowers 3-9, generally loosely space on >1 side of axis; Flr: corolla 1.5-2.5cm, blue-purple to lavender

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Fabaceae

## *Vicia benghalensis*

Purple Vetch

*Introduced*



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=8120+3181+4908+0076](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=8120+3181+4908+0076)

Lifeform

Annual herb, Vine

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairy; Stem: sprawling or climbing; Lf: leaflets 10-16, 1.5-3cm, elliptic to oblong; Infl: flowers 3-12, generally on 1 side of axis; Flr: corolla 12-16mm, dark or red-purple

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Vicia sativa* ssp. *nigra*

Common Vetch

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+1123](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+1123)

Lifeform

Annual herb, Vine

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: leaflets 5-7mm wide, length 4-10 times width, linear to generally oblong-lanceolate; Flr: calyx 7-12mm; corolla 1-1.8cm, pink-purple to more or less white; Fr: black; Seeds: 2.5-4mm wide, spheric

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Vicia sativa* ssp. *sativa*

Spring Vetch

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6249+3022+3912+0004](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6249+3022+3912+0004)

### Lifeform

Annual herb, Vine

### Blooming Season

April-July

### Habitat

Waste places

### **Characteristics:**

UC Davis Herbarium Specimen:

Lf: leaflets 4-10mm wide, length 2-6 times width, wedge-shaped to oblong; Flr: calyx 10-15mm; corolla 1.8-3cm, generally pink-purple; Fr: brown to black; Seeds: 6-8mm wide, generally lens-shaped

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fabaceae

## *Vicia villosa*

Hairy Vetch

CalIPC Impact(2006) : Eval No List *Introduced*



Charles Webber © 1998 California Academy of Sciences  
manzanita@calacademy.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8076+3101+3987+0141](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8076+3101+3987+0141)

Lifeform

Annual herb, vine

Blooming Season

Late Winter

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: puberulent-strigose or hairy; Stem: sprawling, ascending, or climbing; Lf: leaflets 12-18, 1-2.5cm, narrowly oblong to elliptic, 1-toothed; Infl: flrs generally > 9 and on 1 side of axis; Flr: violet-purple or lavender to white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fagaceae

## *Quercus douglasii*

Blue Oak

Native



© 2002 Julie Kierstead Nelson  
jknelson@fs.fed.us

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0104+0701](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0104+0701)

Lifeform

Tree

Blooming Season

Not Available

Habitat

Foothill woodland

**Characteristics:**

UC Davis Herbarium Specimen:

Tree 6-20m, deciduous; trunk bark checkered into thin scales, grayish; Lf: 3-6cm; upper surface dull, bluish green, lower surface puberulent, pale bluish green; Fr: cup 12-20mm wide, 6-10mm deep, scales slightly tubercled

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Fagaceae

## *Quercus lobata*

Valley Oak

Native



Joshua H. Viers  
jhviers@ucdavis.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8120+3181+4904+0008](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8120+3181+4904+0008)

Lifeform

Tree

Blooming Season

Not Available

Habitat

Rich loam valley

**Characteristics:**

UC Davis Herbarium Specimen:

Tree <35m, deciduous; Lf: 5-12cm; blade obovate, tip obtuse to rounded, margin deeply 6-10-lobed, lobes obtuse, generally coarsely 2-3-toothed at tip, upper surface often shiny, dark green, lower surface finely tomentose, dull to pale green

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Fagaceae

## *Quercus wislizenii*

Interior Live Oak

Native



© 2001 Julie Kierstead Nelson  
jknelson@fs.fed.us

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0102+0263](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0102+0263)

Lifeform

Tree, Shrub

Blooming Season

Not Available

Habitat

Valley & slopes

**Characteristics:**

UC Davis Herbarium Specimen:

Tree generally 10-22m, evergreen; trunk bark becoming furrowed, more or less checkered, grayish; Lf: 2-5cm; tip abruptly pointed, upper and lower surfaces glabrous, shiny; Fr: cup 12-18mm wide, 12-16mm deep, scales flat; nut 20-40mm

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Gentianaceae

## *Centaurium muehlenbergii*

Centaury

Native



Beatrice F. Howitt © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8253+3202+0179+0089](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8253+3202+0179+0089)

Lifeform

Annual Herb

Blooming Season

June-August

Habitat

Mostly damp places below  
1500

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: basal rosette 0 or weak; Infl: dense; units generally flat-topped; flrs immediately subtended by 2 bracts; Flr: corolla lobes 2-5mm, pink, glabrous; stigma oblong

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Gentianaceae

## *Centaurium trichanthum*

Alkali Centaury

Native



Jennifer Buck  
jenderbucket@gmail.com

<http://www.life.umd.edu/emeritus/reveal/pbio/slides2/2199a.jpg>

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Alkaline or saline flats

**Characteristics:** [UC Davis Herbarium Specimen:](#)

Plant: 5-45cm; Infl: dense; units generally flat-topped; Flr: corolla lobes often inrolled and appearing linear, pink, glabrous

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Gentianaceae

## *Cicendia quadrangularis*

Oregon Timwort

**Native**



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0171](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0171)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Open places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: <9cm; Stem: simple or branched from near base; Lvs: 4-9mm; Flr: corolla <10mm, ovate-elliptic, tip rounded

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Geraniaceae

## *Erodium botrys*

Broad-leaf Filaree

CalIPC Impact(2006) : Eval No List *Introduced*



© John M. Randall/The Nature Conservancy  
jarandall@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/erobo01.jpg>

Lifeform

Annual Herb

Blooming Season

March-May

Habitat

Grassy places

**Characteristics:** UC Davis Herbarium Specimen:

Lvs: lobed to dissected; Flr: sepals 10-13mm, tip  
bristly, petals lavender

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Geraniaceae

## ***Erodium brachycarpum***

Shortfruit Stork's Bill

CalIPC Impact(2006) : Eval No List *Introduced*



Michael Charters  
mmlcharters@calflora.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0304+0899](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0304+0899)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grassy places

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: lobes 7-11 mm wide; Flr: sepals 7-10mm, tip  
bristly, petals slightly>sepals, lavender

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Geraniaceae

## *Erodium cicutarium*

Red-stem Filaree

CalIPC Impact(2006) : Limited *Introduced*



© John M. Randall/The Nature Conservancy  
jarandall@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/eroci01.jpg>

Lifeform

Annual Herb

Blooming Season

February-May

Habitat

Dry places

**Characteristics:** [UC Davis Herbarium Specimen:✓](#)

Lvs: Compound, deeply dissected, segments 1-2mm wide; Flr: sepals 3-5mm, tip bristly, petals red-lavender, base purple

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Geraniaceae

## *Erodium moschatum*

White-stemmed Filaree

CalIPC Impact(2006) : Eval No List *Introduced*



© John M. Randall/The Nature Conservancy  
jarandall@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/eromo01.jpg>

Lifeform

Annual Herb

Blooming Season

February-May

Habitat

Loam, heavy soils

**Characteristics:** [UC Davis Herbarium Specimen:](#)

Lvs: Compound, lobed to shallowly divided; Flr:  
sepals 6-9mm, tip glabrous, petals red-lavender

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Geraniaceae

## *Geranium carolinianum*

Carolina Geranium

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+1120](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+1120)

Lifeform

Annual Herb

Blooming Season

April-July

Habitat

Grassy shady places

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: lower lvs divided into about 5 oblong to wedge-shaped segments; Infl: flrs clustered atop stem; Flr: white to rose-pink

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Geraniaceae

## *Geranium dissectum*

Crane's Bill

CalIPC Impact(2006) : Moderate *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6068+1631+1522+0001](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6068+1631+1522+0001)

<u>Lifeform</u>	<b>Characteristics:</b>	<u>UC Davis Herbarium Specimen:</u> <input checked="" type="checkbox"/>
Annual Herb	Stem: hairs rough, spreading to pointed downward, glandular above; Lvs: deeply dissected into 5-7 linear to oblong segments; Flr: petals rose-purple	
<u>Blooming Season</u>		
March-June		
<u>Habitat</u>		
Waste open places		
	<a href="http://ucjeps.berkeley.edu/interchange.html">http://ucjeps.berkeley.edu/interchange.html</a>	
	<a href="http://www.calflora.org/">http://www.calflora.org/</a>	

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Haloargaceae

## *Myriophyllum aquaticum*

Parrotfeather

CalIPC Impact(2006) : High *Introduced*



© 2001 CDFA

fhrusa@cdfa.ca.gov

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0175+3301+2362+0043](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0175+3301+2362+0043)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Waterways

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: dioecious; Stem: glaucous or gray-green;  
Lvs: submersed lvs with 20-30 divisions per leaf;  
Infl: axillary; Staminate Flrs: stamens 8; Pistillate  
Flr: stamens 0

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Hypericaceae

## *Hypericum concinnum*

Goldwire

Native



© 2002 George Jackson  
curiousgeo@myway.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0602+0246](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0602+0246)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: many, slender, wiry; Lf: linear to lanceolate, folded, sparsely black-dotted; Infl: flrs 3-9 per stem; Flr: sepals acute, margin black-dotted; petals golden-yellow, margins black-dotted; stamens many, in 3 clusters, 4 filaments per cluster fused

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Hypericaceae

## *Hypericum mutilum*

Hypericum

*Introduced*



Forest & Kim Starr (USGS)

[http://upload.wikimedia.org/wikipedia/commons/d/d0/Hypericum\\_mutilum.jpg](http://upload.wikimedia.org/wikipedia/commons/d/d0/Hypericum_mutilum.jpg)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Streambanks, riparian  
woodland

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect; Lf: elliptic to ovate, gland-dotted; Infl:  
compound; flowers many; Flr: sepals narrowly  
lanceolate

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Hypericaceae

## *Hypericum perforatum*

St. John's Wort

CalIPC Impact(2006) : Moderate *Introduced*



© John M. Randall/The Nature Conservancy  
jarandall@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/hypp05.jpg>

Lifeform

Perennial Herb

Blooming Season

June-September

Habitat

Abandoned fields

**Characteristics:** [UC Davis Herbarium Specimen:](#)

Stem: many from base; Lvs: linear to oblong, margins rolled under, black-dotted, lower surface clear-dotted; Infl: 25-100 per stem; Flr: sepals with black and clear dots; petals yellow, many stamens in 3 clusters, anthers black-dotted

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Iridaceae

## ***Sisyrinchium bellum***

Blue-eyed Grass

**Native**



Sherry Ballard © California Academy of Sciences  
manzanita@calacademy.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8253+3202+4148+0096](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8253+3202+4148+0096)

Lifeform

Perennial Herb

Blooming Season

March-May

Habitat

Open grassy areas

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: tufted with leaf bearing nodes; Infl: translucent margins of inner bract wider just below tip; Flr: deep bluish purple to blue-violet, rarely white, tips truncate to notched

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Isoetaceae

## *Isoetes howellii*

Howell's Quillwort

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0404+0948](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0404+0948)

Lifeform

Fern

Blooming Season

Not Available

Habitat

Wetlands

**Characteristics:**

UC Davis Herbarium Specimen:

Fern; Lvs: deciduous, rigid, not brittle, tapered to tip, bright green; bases brownish to black;  
Sporangium: male spores brown in mass; female spores ridged

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Isoetaceae

## *Isoetes nuttallii*

Nuttall's Quillwort

Native



© 2003 Doreen L. Smith  
dsmith@lvha.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0803+0565](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0803+0565)

Lifeform

Fern

Blooming Season

Not Available

Habitat

Wetlands

**Characteristics:**

UC Davis Herbarium Specimen:

Fern; Lvs: deciduous, rigid, almost brittle, tapered to tip, light green to gray-green; bases white to brownish, outermost sterile, often surrounded by several black scales; Sporangium: male spores brown in mass; female spores shiny, tubercled

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Isoetaceae

## *Isoetes orcuttii*

Orcutt's Quillwort

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0950](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0950)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Fern; Lvs: deciduous, soft, flexible, tapered to tip, bright green, bases white to brownish, outermost fertile, surrounded by several black scales; Sporangium: male spores brown in mass; female spores shiny, smooth

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Juncaceae

## *Juncus acuminatus*

Taper Tip Rush

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+1103+0306](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+1103+0306)

Lifeform  
Perennial Herb  
Blooming Season  
May-June  
Habitat  
Irrigated places

**Characteristics:** [UC Davis Herbarium Specimen:✓](#)  
Lvs: basal; sheath appendages rounded; blade  
cylindric, crosswalls complete, obvious; Infl:  
branches spreading; clusters 6-50, 5-20-flowered;  
Flr: perianth light brown to greenish; stamens 3; Fr:  
light brown, 1 chamber

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Juncaceae

## *Juncus balticus*

Baltic Rush

Native



© 2005 Brent Miller  
foliosus@foliosus.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0605+1530](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0605+1530)

Lifeform

Perennial Herb

Blooming Season

May-August

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: cylindric; Lvs: basal; Infl: appearing lateral;  
flrs 5-50 or more; bractlets 2, membranous; Flr:  
scarious margins of petals wider than those of  
sepals; stamens 6; Fr: beak small but obvious

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Juncaceae

## ***Juncus bufonius***

Toad Rush

**Native**



© 2002 James B. Gratiot  
lgratiot@comcast.net.

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0402+0266](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0402+0266)

Lifeform

Perennial Herb

Blooming Season

April-September

Habitat

Moist open places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 2-30cm; Lvs: 1mm wide; Flr: 1 to few in small clusters, 6 stamens; Fr: <perianth

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Juncaceae

## *Juncus capitatus*

Capped Rush

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+0860](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+0860)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Moist areas, vernal pools

**Characteristics:**

Stem: thread-like, channeled, angled, or flat; Lvs: basal; sheath loose; Infl: cluster 1 per stem; flrs 2-6; Flr: stamens 3

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Juncaceae

## *Juncus effusus*

Bog Rush

Native



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8120+3181+4908+0029](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8120+3181+4908+0029)

### Lifeform

Perennial Herb

### Blooming Season

June-August

### Habitat

Moist places

### **Characteristics:**

UC Davis Herbarium Specimen:

Lvs: basal; Infl: appearing lateral, open; lowest bract cylindrical; flrs many, single; bractlets 2 per flr; Fr: perianth segments ascending, very pale to dark; stamens 3; Fr: obovoid

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Juncaceae

## *Juncus mexicanus*

Mexican Rush

Native



© 2003 Brent Miller  
foliosus@foliosus.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0603+0045](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0603+0045)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect or spirally twisted, flattened, slender;  
Lvs: basal; sheaths loose; Infl: appearing lateral;  
flrs 2-many; Flr: perianth segments with midstripe,  
variable color, clear margins; stamens 6; Fr: ovoid,  
3-angled

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Juncaceae

## *Juncus oxymeris*

Pointed Rush

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1103+0294](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1103+0294)

Lifeform

Perennial Herb

Blooming Season

June-August

Habitat

Wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: bases overlapping; blade flat with edge toward stem; Infl: large, open; branches ascending; clusters 10-70, few-flowered; Flr: perianth segments sharp-pointed, light brown to green; stamens 6; Fr: 3-angled, tapered to slender brown beak

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Juncaceae

## *Juncus uncialis*

Inch High Dwarf Rush

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0404+0398](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0404+0398)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Valley grassland, Foothill  
woodland

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: basal; Infl: 1 flr per stem; bract 1, sheathing stem; Flr: perianth segments 4-8; stamens 2-3; Fr: ovoid or elliptic; chambers 2-4

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Juncaceae

## *Juncus xiphioides*

Iris-leaved Rush

Native



© 2002 Bart and Susan Eisenberg  
qusan@comcast.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0502+0336](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0502+0336)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheath appendages obscure; blade flat with edge toward stem, curved, tip long; Infl: clusters many, 3-10-flowered; Flr: perianth segments very narrow, green to brown; stamens 6; Fr: oblong, gradually tapered to beak

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Juncaginaceae

## *Lilaea scilloides*

Flowering-quillwort

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+0411](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+0411)

Lifeform

Annual Herb

Blooming Season

March-October

Habitat

Muddy, marshes places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: aquatic, generally emergent; Stem: erect, short, obscure; Lvs: basal, tufted; blade tip acute to pointed; Infl: bisexual and staminate flowers in erect, emergent spike; pistillate flower solitary in submersed axils

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Lamiaceae

## ***Lamium amplexicaule***

Henbit

*Introduced*



© 2003 Michael Charters  
mmlcharters@calflora.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0503+0155](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0503+0155)

Lifeform

Annual Herb

Blooming Season

March-August

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: middle, upper sessile; blade base truncate to lobed, margin crenate to lobed; Flr: calyx 4-7mm; corolla 10-18mm, glabrous inside, red-purple

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Lamiaceae

## *Lycopus americanus*

Bugleweed

Native



Dan Tenaglia - missouriplants.com  
moflora@hotmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0107+1047](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0107+1047)

Lifeform

Perennial Herb

Blooming Season

August-September

Habitat

Wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: glabrous, nodes short-hairy; Lf: oblong to lanceolate, lobed to cut especially in lower half; Flr: calyx lobes awl-like; corolla white; Fr: nutlet top rounded, smooth

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Lamiaceae

## ***Marrubium vulgare***

Horehound

CalIPC Impact(2006) : Limited *Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=9092+3191+3542+0008](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=9092+3191+3542+0008)

Lifeform

Perennial Herb

Blooming Season

Spring and Summer

Habitat

Old fields

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: ascending to erect; Lf: widely ovate to round, margin crenate; Flr: teeth 10, short-soft-hairy; corolla larger than calyx

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Lamiaceae

## *Mentha arvensis*

Field Mint

Native



Information Center for the Environment  
ICE

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0105+0747](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0105+0747)

Lifeform

Perennial Herb

Blooming Season

July-October

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: puberulent to short-hairy; Infl: axillary, each head-like, subtended by spreading leaves; bracts minute or 0; Flr: corolla 4-7mm, white, pink, or violet

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Lamiaceae

## *Mentha pulegium*

Pennyroyal

CalIPC Impact(2006) : Moderate *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6205+3041+0702+0097](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6205+3041+0702+0097)

Lifeform

Perennial Herb

Blooming Season

June-September

Habitat

Low moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: decumbent to ascending, short-hairy; Lvs: reduced upward; lower surface short-hairy; Infl: axillary, each head-like, subtended by reflexed leaves or leaf-like bracts; Flr: corolla 5-8mm, violet to lavender

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Lamiaceae

## ***Pogogyne douglasii***

Douglas' Mesamint

**Native**



© 2003 Michael Charters  
mmlcharters@calflora.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0503+0002](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0503+0002)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: robust; Stem: erect; Infl: 10-30mm wide; Flr: calyx tube 2-4mm, upper lobes 2-5mm, tips acute; corolla 9-20mm, lavender, hairy, raised area on lower lip often yellow-spotted; style hairy 2-6mm below stigma lobes

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Lamiaceae

## *Pogogyne serpylloides*

Thyme Leaf Mesaming

Native



© 2006 Adonis (Don) Tate  
osomocoso@yahoo.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0405+2003](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0405+2003)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Open wet areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: inconspicuous; Stem: prostrate to decumbent, generally branched, slender; Infl: clusters, head-like, small, dense, terminal and axillary, or flrs solitary in upper axils; Flr: calyx tube 1-3.5mm, lobes 1.5-4mm; corolla 2.5-5mm, lavender

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Lamiaceae

## *Pogogyne zizyphoroides*

Sacramento Mesa Mint

Native



© 2003 Dr. Kenneth L. Bowles  
bowlesk@att.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0903+0138](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0903+0138)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: conspicuous; Stem: ascending to erect, simple or branched above, stout; Infl: clusters head-like, dense, terminal and axillary; Flr: calyx tube 2.5-5mm, lobes 1.5-6mm; corolla 4-8mm, lavender to purple; stamens 2-4, upper 2 vestigial

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Lamiaceae

## *Stachys ajugoides*

Hedge Nettle

Native



Ingrid B. Hogle

ibhogle@mindspring.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0602+0008](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0602+0008)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: branched or not; Lf: petiole 1.5-6cm; Infl: >5cm, interrupted; bracts sometimes long, leafy; Flr: calyx tube 3-6mm, hairs 0 or soft to stiff, sometimes glandular; corolla tube 6-11mm, upper lip 2.5-5mm, lower lip 4.5-8.5mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Lamiaceae

## *Stachys ajugoides* v. *rigida*

Rigid Hedge Nettle

Native



© 2001 Gary A. Monroe  
g.monroe@att.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+1202+0462](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+1202+0462)

Lifeform

Perennial Herb

Blooming Season

May-September

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: generally erect to decumbent, 6-10dm, glabrous to soft- or stiff-hairy, sometimes glandular; Lf: blade 5-9cm, ovate to lanceolate; Infl: clusters 6-16-flowered; Flr: corolla pink to magenta or purplish, tube 6-10mm, ring of hairs strongly oblique

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Lamiaceae

## ***Stachys albens***

Hedge Nettle

**Native**



Information Center for the Environment  
ICE

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0701+0402](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0701+0402)

Lifeform

Perennial Herb

Blooming Season

May-October

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: generally with dense, cobwebby hairs; Stem: erect, 5-25dm, often branched; Lf: blade 3-15cm, widely ovate, crenate to serrate; Infl: 10-30cm, clusters 6-12-flowered; Flr: corolla white to pinkish, tube 6-9mm, upper lip 3.5-5.5mm, lower lip 6-8mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Lamiaceae

## *Trichostema lanceolatum*

Vinegarweed

Native



Charles E. Jones  
charliejones@aol.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1003+0331](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1003+0331)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands, vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: smells like vinegar; Stem: short hairs appressed, long hairs soft, some hairs glandular; Lf: blade lanceolate to narrowly ovate; Flr: corolla purple, tube curved abruptly upward near throat; stamens exserted and strongly arched

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Liliaceae

## *Asparagus officinalis ssp. officinalis*

Garden Asparagus

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5161+1631+2458+0041](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5161+1631+2458+0041)

### Lifeform

Perennial Herb

### Blooming Season

May-June

### Habitat

Low subsaline places

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: 1-3m, erect; branchlets thread-like; young stems simple, stout, edible; Infl: thread-like, jointed near middle; Flr: drooping, bell-shaped, greenish white; Fr: red

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Liliaceae

## *Calochortus luteus*

Yellow Mariposa Lily

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5208+1611+0644+0004](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5208+1611+0644+0004)

Lifeform

Perennial Herb

Blooming Season

Early Spring

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: slender; Lvs: basal, persisteng; Infl: flrs 1-7, erect; Flr: perianth bell-shaped; sepals 20-30mm, long-tapered; petals deep yellow, lined red-brown inside, often with central red-brown blotch inside, sparsely slender-hairy near nectary

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Liliaceae

## *Chlorogalum angustifolium*

Narroleaf Soap Plant

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=5208+1611+1618+0046](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=5208+1611+1618+0046)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Valley grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: bulb coat reddish brown, membranous, with delicate fibers; Lf: not strongly wavy; Infl: branches ascending; Flr: opening in evening, closing by following morning; perianth segment oblong, white with greenish yellow midvein; anthers yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Liliaceae

## *Chlorogalum pomeridianum*

Dwarf Soapwort

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5208+1611+1618+0049](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5208+1611+1618+0049)

Lifeform

Perennial Herb

Blooming Season

May-August

Habitat

Chapparal, serpentine

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: bulb coat thick, fibers coarse, brown; Lf: margins wavy; Infl: highly branched; Flr: opening in evening, closing by next morning; perianth segments spreading, linear, white with green or purple midvein; anthers purple or yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Liliaceae

## *Dichelostemma capitatum*

Blue Dicks

Native



© 2003 Michael Charters  
mmlcharters@calflora.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=9189+3301+3549+0011](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=9189+3301+3549+0011)

### Lifeform

Perennial Herb

### Blooming Season

Not Available

### Habitat

Open woodlands, scrub,  
grassland

### **Characteristics:**

UC Davis Herbarium Specimen:

Cormlets sessile and on stolons; Lvs: 2-3. 10-40cm;  
Infl: head or umbel-like, dense; axis <65cm, bracts  
whitish to dark purple; flrs 2-15 Flr: perianth blue,  
purple to white, tube 3-12mm, stamens 6, crown  
segments 4-6mm, deeply notched, white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Limnanthaceae

## *Limnanthus alba*

White Meadowfoam

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=6105+1651+0932+0070](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=6105+1651+0932+0070)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Valley grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: leaflets 5-9, entire to deeply 3-lobed; Flr: cup- to bell-shaped; petals white; Fr: nutlets, obovoid, smooth, wrinkled, widely ridged

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Limnanthaceae

## *Limnanthus douglasii*

Meadowfoam

Native



Robert Potts © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=9189+3301+3541+0083](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=9189+3301+3541+0083)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Valley grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: leaflets 5-13, entire or often toothed or lobed;  
Flr: cup- to bell-shaped; petals white, yellow, or  
yellow with white tips, veins often purple, pink, or  
cream; Fr: nutlets, obovoid, smooth

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Loasaceae

## *Mentzelia laevicaulis*

Blazing Star

Native



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=ucjeps&enlarge=6205+3041+0701+0039](http://calphotos.berkeley.edu/cgi/img_query?query_src=ucjeps&enlarge=6205+3041+0701+0039)

### Lifeform

Perennial Herb

### Blooming Season

June-October

### Habitat

Sandy to rocky slopes,  
washes, roadcuts

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: 22-100cm; Lvs: basal 19-24cm, cauline 2-10cm; Infl: bract linear to lanceolate, entire, toothed at base to deeply 4-5-lobed; Flr: sepals 15-46 mm; petals 30-80mm, stamens 15-55mm, style 2.5-7mm; Fr: 15-44mm, straight

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Lythraceae

## *Ammannia coccinea*

Ammannia

Native



© 2003 Michael Charters  
mmlcharters@calflora.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0403+0346](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0403+0346)

Lifeform

Annual Herb

Blooming Season

May-October

Habitat

Low wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 1-10dm; Lf: 2-8cm, 2-15mm wide; Infl: 3-5 flrs; Flr: hypanthium urn-shaped, petals 3-4(5)mm, stamens 4(7), anthers deep yellow; longest peduncles 3-5(9)mm, petals deep rose-purple; Fr: 3-5mm wide

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Lythraceae

## *Ammannia robusta*

Grand Redstem, Grand Ammania

Native



© 1996 Doreen L. Smith  
dsmith@lvha.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0103+0326](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0103+0326)

### Lifeform

Annual Herb

### Blooming Season

June-August

### Habitat

Wet places

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: 1-10dm; Lf: 1.5-8cm, 5-15mm wide; Infl: 1-3(5) flrs; Flr: hypanthium urn-shaped; petals 3-4mm; stamens 4(5-12), anthers pale yellow; longest peduncles 0-3mm; petals pale lavender; Fr: 4-6mm wide

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Lythraceae

## *Lythrum californicum*

California Loosestrife

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6205+3041+0703+0041](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6205+3041+0703+0041)

### Lifeform

Perennial Herb

### Blooming Season

April-September

### Habitat

Marshes, pond and stream  
margins

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: angled or cylindrical; Lvs: simple, entire, gen. opposite; Infl: raceme, spike, or panicle, terminal, or axillary clusters with 1-several flowers; Flr: bisexual, gen. radial; hypanthium cylindrical to bell-shape, sepals 4-6, appendages 3-5 or 0

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Lythraceae

## ***Lythrum hyssopifolium***

Hedge-hyssop Loosestrife

CalIPC Impact(2006) : Moderate

*Introduced*



© 2003 George W. Hartwell  
chaparral95640@hotmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0503+0391](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0503+0391)

### Lifeform

Annual Herb

### Blooming Season

April-October

### Habitat

Moist places

### **Characteristics:**

Lvs: lowermost opposite, upper alternate; Infl: spike, terminal; bracts linear; flowers sessile; Flr: petals 2-5mm, pink to rose; stamens 4-6, included

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Lythraceae

## *Lythrum tribracteatum*

Threebracted Loosestrife

*Introduced*



© 2006 Doreen L. Smith  
dlsmith@lvha.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0306+0267](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0306+0267)

### Lifeform

Annual Herb

### Blooming Season

May-June

### Habitat

Dried rain pools

### **Characteristics:**

UC Davis Herbarium Specimen:

Lvs: lower opposite, upper alternate; Infl: cluster, bracts leaf-like, flowers sessile; Flr: sepals and appendages red-glandular, petals lavender, stamens 4-6, included

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Malvaceae

## *Abutilon theophrasti*

Velvet Leaf

*Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1002+0518](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1002+0518)

Lifeform

Annual Herb

Blooming Season

July-August

Habitat

Disturbed places, cropland

**Characteristics:**

UC Davis Herbarium Specimen:

Tomentose or bristly-hairy; Lvs: blade crenate or toothed, cordate; Infl: flrs solitary in axils or in leafy panicles, bractlets subtending calyx; Flr: petals yellow to reddish, stigmas head like; Fr: cylindric to spheric, dehiscent; seeds:2-9

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Malvaceae

## *Hibiscus lasiocarpus*

Rose-mallow

CNPS 2 Plant

Native



© 2002 Kristiaan Stuart  
finestra@finestra-photo.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0802+0110](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0802+0110)

### Lifeform

Perennial Herb

### Blooming Season

August-September

### Habitat

Freshwater marsh

### **Characteristics:**

UC Davis Herbarium Specimen:

Rare; Plant: hairy; Stems: 10-20dm, some prostrate; Lf: cordate, toothed, acuminate; Flr: calyx bell-shaped, veiny in fruit, sepals fused halfway; petals white or rose, base red

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Malvaceae

## *Malva nicaeensis*

Bull Mallow

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6205+3041+0702+0023](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6205+3041+0702+0023)

Lifeform

Annual, Biennial Herb

Blooming Season

not available

Habitat

Disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: gen. trailing to ascending, 2-6 dm, hairy; Lf: blade 3-12 cm wide, lobes 5-7, shallow, ± sharp; Infl: flowers 2-6 per axil; pedicels gen. reflexed in fruit; bractlets 4-5 mm, lanceolate to ovate; Flr: calyx 4-5 mm in flower

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Malvaceae

## *Malva parviflora*

Cheeseweed

*Introduced*



© 2002 Tom Annese  
tomannese@yahoo.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0402+0355](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0402+0355)

Lifeform

Annual Herb

Blooming Season

Flrs. most months

Habitat

Common weed

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: 5-7-angled to lobed; Infl: flrs 2-4 per axil, crowded; Flr: calyx net-veined, lobes widely ovate; petals white to pink, glabrous; Fr: segments 11, back wrinkled, net-veined, finely toothed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Malvaceae

## *Malvella leprosa*

Alkali-mallow

Native



© 2004 James M. Andre  
granites@telis.org.

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0204+1186](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0204+1186)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent, densely white-stellate; Lf: reniform, round or triangular, toothed, margin wavy; Infl: flrs generally 1-3 per axil, bractlets 3; Flr: petals cream-white to yellow; Fr: segments 6-10, net-veined on sides

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Malvaceae

## ***Sidalcea calycosa***

Annual Checkerbloom

**Native**



© 1997 Doreen L. Smith  
dsmith@lvha.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0102+0604](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0102+0604)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Marshes, wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: from rhizome; Stem: 3-9dm; Flr: petals 12-25mm, purple; filaments in 2 distinct continuous series

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Marsileaceae

## *Marsilea vestita* ssp. *vestita*

Hairy Waterclover

Native



© 2005 Dieter Wilken  
dwilken@sbbg.org.

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0105+2657](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0105+2657)

Lifeform

Fern

Blooming Season

Not Available

Habitat

Edge of ponds, vernal pools

**Characteristics:**

Resembles a clover; Lvs: petioles of floating leaves weak, leaflet sides often concave; Sporangium: case 3-8mm wide

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Marsileaceae

## ***Pilularia americana***

American Pillwort

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0971](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0971)

Lifeform

Fern

Blooming Season

Not Available

Habitat

Heavy soils, especially vernal  
pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: resembles a grass seedling; Lvs: 2-6cm;  
Sporangium: 2-3 mm in diameter

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Molluginaceae

## *Glinus lotoides*

Lotus Sweetjuice

*Introduced*



© 1999 Dean Wm. Taylor, Ph.D  
dwtaylor@cruzers.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0901+0575](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0901+0575)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Seasonal wetlands

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairs forked or stellate; Lvs: entire, grey-green, hairy; Flr: sessile, tomentose; Fr: 4mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Molluginaceae

## ***Mollugo verticillata***

Indian Chickweed

*Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1104+0718](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1104+0718)

Lifeform

Annual Herb

Blooming Season

May-November

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: mat-forming, glabrous; Stem: prostrate, forked unequally; Lvs: in whorls of 3-6; Infl: sessile cluster; flrs 1-5; Flr: sepals 5; stamens 3-5, alternate ovary chambers; Seed: generally with several ridges, dark reddish brown, shiny

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Moraceae

## *Ficus carica*

Edible Fig

CalIPC Impact(2006) : Moderate *Introduced*



© 2005 Luigi Rignanese  
rignlgu@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0505+0523](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0505+0523)

Lifeform

Tree

Blooming Season

Not Available

Habitat

Riparian areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: <10m; Lf: petiole <10cm, blade 10-20cm, broadly ovate to ±round, upper scabrous, lower hairy, 3-7 major lobes, palmate, gen. > halfway to midrib, each ±pinnately lobed; Fr: 5-8cm, variable in color

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Moraceae

## *Maclura pomifera*

Osage Orange

*Introduced*



© 2002 John White

john.white161@verizon.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1102+0646](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1102+0646)

Lifeform

Tree, Shrub

Blooming Season

Not Available

Habitat

Riparian areas

**Characteristics:**

UC Davis Herbarium Specimen:

Tree; Lf: blade dark green, upper surface glabrous, lower surface soft-hairy; Fr: 8-15cm wide, yellow-green with hard, rough rind

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Oleaceae

## *Fraxinus latifolia*

Oregon Ash

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=7335+3182+4656+0037](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=7335+3182+4656+0037)

Lifeform

Tree

Blooming Season

March-May

Habitat

Canyons, near streams

**Characteristics:**

UC Davis Herbarium Specimen:

Tree: <25m, dioecious; Lf: leaflets: 5-7, sessile; Flr: no petals; Fr: 28-50mm, winged

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Onagraceae

## *Epilobium angustifolium* ssp. *circumvagum*

Fireweed

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+1802+0015](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+1802+0015)

### Lifeform

Perennial Herb

### Blooming Season

July-September

### Habitat

Open places, gravel bars

### **Characteristics:**

Lvs: alternate; Infl: dense, canescent; Flr: nodding in bud; petals generally deep pink to magenta, entire; pollen bluish gray, stigma 4-lobed

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Onagraceae

## *Epilobium brachycarpum*

Panicled Willow-herb

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+1802+0037](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+1802+0037)

Lifeform

Annual Herb

Blooming Season

June-September

Habitat

Disturbed sites

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: peeling below, glandular-hairy above; Lvs: early deciduous, 10-50mm, linear to narrowly elliptic, glabrous; Flr: hypanthium 1.5-8mm; petals white to rose-purple; stigma sometimes 4 lobed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Onagraceae

## *Epilobium ciliatum*

Willow-herb

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+1802+0009](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+1802+0009)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Wet areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: <19dm, red at bottom of stem; Lvs: 1-15cm, veins conspicuous, serrated, petiole 0-8mm; Infl: densely strigose±spreading-hairy; Flr: hypanthium 0.5-2.6 mm; sepals 2-7.5 mm; petals 2-14mm, white to rose-purple; stamens<or = pistil; Fr:15-100mm, hairy

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Onagraceae

## *Epilobium ciliatum* ssp. *ciliatum*

Willow-herb

Native



© 2001 Gary A. Monroe  
g.monroe@att.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1102+1353](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1102+1353)

Lifeform

Perennial Herb

Blooming Season

July-October

Habitat

Marsh

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: lanceolate, veins conspicuous; Infl: branched, not leafy; Flr: petals 2-6mm, white to pink

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Onagraceae

## *Epilobium cleistogamum*

Spike-primrose

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0504+0121](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0504+0121)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal Pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: peeling below; Lvs: opposite only near base; upper lvs hairy; Infl: leafy, hairy and glandular; Flr: cleistogamous; petals white to pale pink

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Onagraceae

## *Epilobium densiflorum*

Dense-flower Willowherb

**Native**



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+2177+0068](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+2177+0068)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Wet areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: simple or branched above, peeling below;  
Lvs: opposite only near base, upper leaves hairy;  
Infl: leafy, sometimes glandular; Flr: petals white to  
rose-purple; stigma irregularly 4-lobed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Onagraceae

## *Epilobium pygmaeum*

Smooth Spike Primrose

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1104+0715](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1104+0715)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Moist areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: minutely strigose or spreading-hairy above, glabrous and peeling below; Lvs: opposite only near base; Infl: crowded; Flrs: cleistogamous; petals pink

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Onagraceae

## *Epilobium torreyi*

Torrey's Willowherb

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0276](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0276)

Lifeform

Annual Herb

Blooming Season

May-July

Habitat

Valley grassland, moist areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: grayish spreading-hairy, peeling below; Lvs: opp only near base (where glabrous), 5-45mm, hairy; Infl: glandular; Flrs: cleistogamous, sepals 0.7-2mm, petals 1-3mm, pink or white; stigma rarely 4-lobed; Fr: 8-13mm, beaked, flexible; Seed: netted

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Onagraceae

## *Ludwigia hexapetala*

Ludwigia, Six-petal Water-primrose CalIPC Impact(2006) : High Native



© 2000 Joe DiTomaso

jmditomaso@ucdavis.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0102+0376](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0102+0376)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Freshwater wetlands

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: sometimes floating or rooting at nodes; Lvs: alternate; Flr: sepals/petals 5(6), 8-19mm; stamens 10(12) in 2 unequal sets; Fr: reflexed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Onagraceae

## *Ludwigia peploides*

Water Primrose

CalIPC Impact(2006) : High

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6040+1631+1307+0023](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6040+1631+1307+0023)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Open areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: matted, floating, creeping; Lvs: alternate; Flr: sepals 5(6), 3-12mm; petals 5(6), 7-24mm; stamens 10(12) in 2 unequal sets; Fr: reflexed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Onagraceae

## *Ludwigia peploides ssp. peploides*

False Loosestrife, Water Primrose

Native



© 2004 Vince Scheidt  
vince@san.rr.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1204+0773](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1204+0773)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Ditches, streambanks,  
lakeshores

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: matted, floating, creeping; Lf: tip not glandular; lower petioles 3-8mm; Flrs: corolla yellow; Fr: body 10-25mm

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Onagraceae

## *Oenothera villosa ssp. strigosa*

Evening Primrose

Native

?

Lifeform

Biennial Herb

Blooming Season

obs. August

Habitat

openings in forests

**Characteristics:** UC Davis Herbarium Specimen:

Stem: erect, 5-20dm; Lvs: cauline 10-30 cm; Infl: spike, often few flowered; internodes in fr gen. > fr.; Flr: Yellow, falling to paler orange; Fr: 20-35mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Orobanchaceae

## *Orobanche californica*

Broomrape

Native



Cosumnes River Preserve Interns  
jenderbucket@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8253+3202+3489+0049](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8253+3202+3489+0049)

Lifeform

Annual, Perennial Herb

Blooming Season

Not Available

Habitat

Dry  $\pm$ rocky soils, on herbs,  
generally Asteraceae

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 4-35cm, pale to dark purple, glandular, puberulent; Stems: 1 or clustered; Infl: long or branched and  $\pm$ flat to -convex-topped; pedicels 0-4cm; Flr: calyx: 12-20mm, pale to pinkish, corolla 20-50mm, anthers woolly, placentas 4, stigma lobes 2

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Oxalidaceae

## *Oxalis albicans* ssp. *pilosa*

Wood Sorrel

Native



Beatrice F. Howitt © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=8253+3202+0179+0036](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=8253+3202+0179+0036)

### Lifeform

Perennial Herb

### Blooming Season

Flrs. most months

### Habitat

Open hills, brushy hillsides

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: hairs slightly curved; Lvs: cauline; leaflets  
<1.5cm; Infl: 1-3-flowered; Flr: petals yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Oxalidaceae

## *Oxalis corniculata*

Creeping Wood Sorrel

CalIPC Impact(2006) : Eval No List *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6212+3041+0634+0031](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6212+3041+0634+0031)

### Lifeform

Perennial Herb

### Blooming Season

Flrs. most months

### Habitat

Common weed

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: creeping, rooting at nodes; leaflets often maroon; Infl: cyme, 2-5 flowered; Flr: petals yellow; Fr: 6-25mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Oxalidaceae

## *Oxalis laxa*

Dwarf Woodsorrel

*Introduced*



© 2005 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0405+1275](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0405+1275)

Lifeform

Annual Herb

Blooming Season

not available

Habitat

Disturbed sites

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect, < 20 cm, hairy; Lvs: cauline, petiole < 5 cm; leaflets < 13 mm, hairs on both surfaces sparse; Infl: raceme-like, 6-14-flowered; peduncle < 15 cm; pedicels recurved in fruit; Flr: sepals < 4 mm, linear to lanceolate; petals < 12 mm, oblong

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Papaveraceae

## ***Eschscholzia californica***

California Poppy

Native



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0024+3291+4863+0006](http://calphotos.berkeley.edu/cgi/img_query?query_src=&enlarge=0024+3291+4863+0006)

Lifeform

Annual Herb

Blooming Season

February-September

Habitat

Grassy, Open areas

**Characteristics:**

UC Davis Herbarium Specimen:

Leaf: Segments obtuse or acute; Flr: bud erect, acute to long-pointed, glabrous, receptacle obconic, petals 20-60mm, yellow, bases gen. orange spotted; Fr: 3-9cm; Seed: 1.5-1.8mm wide, net-ridged, brown to black

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Papaveraceae

## *Eschscholzia lobbii*

Frying Pans

Native



© 2001 George W. Hartwell  
chaparral95640@hotmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0301+0132](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0301+0132)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Valley grassland

**Characteristics:**

Plant: erect, glabrous; Lvs: basal, segments acute;  
Flr: bud erect, acute glabrous; receptacle obconic;  
petals 7-12mm, yellow

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Phrymaceae(Scrophulariaceae)

## ***Mimulus guttatus***

Yellow Monkey Flower

**Native**



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6212+3041+0480+0011](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6212+3041+0480+0011)

Lifeform

Perennial Herb

Blooming Season

March-August

Habitat

Common in wet places

**Characteristics:**

Lvs: abruptly reduced to sessile bracts; Infl: raceme  
> 5-flowered; Flr: calyx lobes unequal; corolla  
yellow

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Phrymaceae(Scrophulariaceae)

## ***Mimulus pilosus***

Downy Monkey Flower

**Native**



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=7271+3192+3249+0096](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=7271+3192+3249+0096)

Lifeform

Annual Herb

Blooming Season

April-August

Habitat

Wet areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: densely long-soft-wavy-hairy; Lf: lanceolate to oblong; Flr: calyx densely hairy, lobes unequal; corolla yellow with two brown spots

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Phrymaceae(Scrophulariaceae)

## *Mimulus tricolor*

Tricolor Monkey Flower

Native



© 1999 John Game  
jcgame@lbl.gov

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1001+0243](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1001+0243)

Lifeform

Annual Herb

Blooming Season

April-June

Habitat

Drying vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: densely puberulent; Flr: calyx lobes unequal, 1-5mm; corolla persistent, magenta to purple with whitish throat stained with yellow, mottled with dark dots, and with 1 large, maroon spot at center of each lobe base

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Phytolaccaceae

## *Phytolaca americana*

Pokeberry

*Introduced*



Tina Haller  
thaller@tnc.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0107+1317](http://calphotos.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0107+1317)

### Lifeform

Perennial Herb

### Blooming Season

Not Available

### Habitat

Disturbed areas (found in  
Shaw Forest, 2007)

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: ill-smelling; St: 1-several from crown, bright purple at maturity; Lf: 8-30cm, 3-12cm wide, glabrous, petiole 1-5 cm; Infl: raceme erect to nodding, pedicels with bracts; Flr: bisexual, white or pinkish, 10 stamens; Fr: shiny purplish black

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Plantaginaceae

## *Plantago coronopus*

Buckhorn Plantain

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0603+0737](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0603+0737)

Lifeform

Annual, Biennial Herb

Blooming Season

not available

Habitat

trampled places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: 4-25 cm, narrowly lanceolate, gradually tapered to base, pinnately lobed; lobes ascending, acute;  
Infl: generally 1-6, 5-50 cm including peduncle, spike 2-22 cm, narrowly cylindrical, dense, nodding, becoming erect, often wavy in fruit, bract 1-2 X seed

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Plantaginaceae

## ***Plantago elongata***

Long Leaf Plantain

Native



© 2003 George W. Hartwell  
chaparral95640@hotmail

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0403+0833](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0403+0833)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands, vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: 3-10cm, linear to thread-like, entire, sometimes few-toothed; Infl: few-many, 2-18cm including peduncle; spike 0.5-5cm, dense; Flr: corolla lobes 0.5mm, generally 3 spreading, 1 erect, ovate-lanceolate; stamens 2; Seeds: 4-28

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Plantaginaceae

## *Plantago erecta*

California Plantain

Native



© 2002 Margo Bors  
mcbors@comcast.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0602+0437](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0602+0437)

Lifeform  
Annual Herb  
Blooming Season  
Not Available  
Habitat  
Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: more or less silky or long-hairy; hairs scattered; Lf: 3-13cm, thread-like to narrowly oblanceolate, entire or teeth few, small; Infl: 1-many, spike 0.5-3cm, dense, hairy; Flr: spreading or reflexed, round-ovate, tips obtuse; stamens 4; Seeds: 2

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Plantaginaceae

## *Plantago lanceolata*

English Plantain

CalIPC Impact(2006) : Limited *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6246+3041+2832+0035](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6246+3041+2832+0035)

Lifeform

Perennial Herb

Blooming Season

April-August

Habitat

Moist waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: lanceolate; Infl: few to many, 20-80cm including peduncle; spike 2-8cm; Flr: corolla lobes 2-2.5mm; stamens 4; Seeds: 1-2

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Plantaginaceae

## *Plantago major*

Common Plantain

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6246+3041+2832+0038](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6246+3041+2832+0038)

Lifeform

Perennial Herb

Blooming Season

April-September

Habitat

Damp waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: widely elliptic to somewhat cordate, margin entire; Infl: 3-7, 5-60cm including peduncle, spike 3-20cm; Flr: corolla lobes 0.5mm; 4 stamens; Seeds: 5-16

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Aegilops triuncialis*

Barb Goatgrass

CalIPC Impact(2006) : High *Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1104+0367](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1104+0367)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: generally glabrous; Lf: sheath appendaged, ligule membranous; Infl: spike-like, 2-5.5cm, axis breaking in fruit; Spikelet: glumes of lowermost spikelet 2-3 awned, upper glumes 3-awned, florets generally 4, upper 2 sterile, lemma short awned or 0

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Poaceae

## *Agrostis avenacea*

Pacific Bentgrass

CalIPC Impact(2006) : Limited *Introduced*



© 2001 Joe DiTomaso  
jmditomaso@ucdavis.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0102+0332](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0102+0332)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Open, disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: ligule 3-5mm; Infl: 7-30cm; Spikelet: glumes 2.8-3.6mm, back puberulent below middle; lemma 2mm, tip 2-toothed, awned from middle; Floret: short hairy-tufted

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Poaceae

## *Agrostis exarata*

Spike Bentgrass

Native



© 2005 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+1205+0403](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+1205+0403)

### Lifeform

Perennial Herb

### Blooming Season

June-August

### Habitat

Moist open places

### **Characteristics:**

UC Davis Herbarium Specimen:

Lvs: ligule 2.5-4mm; Infl: 5-30cm; Spikelet: glumes 1.5-3.5mm, acute to narrowly acuminate, callus hairs; lemma 1-2mm, sometimes awned above middle

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Agrostis gigantea*

Redtop

*Introduced*



© 2005 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+1205+0408](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+1205+0408)

### Lifeform

Perennial Herb

### Blooming Season

Not Available

### Habitat

Moist places

### **Characteristics:**

UC Davis Herbarium Specimen:

Lvs: ligule 2-6mm; lower blades 4-10cm, 3-8mm wide, flat; Infl: 8-25cm, widely ovate in outline; primary branches mostly spreading; Spikelet: glumes 2-3mm; callus hairs 0 or minute; lemma 1.5-2mm, no awn; palea 0.7-1.4mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Aira caryophylla*

Silver Hairgrass

CalIPC Impact(2006) : Eval No List *Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+0836](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+0836)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Sandy soils, open or  
disturbed sites

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: 1-10, generally glabrous, sometimes  
puberulent below nodes; Lf: sheath slightly  
scabrous, ligule minutely scabrous; Infl: >2cm wide,  
open; Spiklet: 3-4mm; glumes 2-3mm, lemmas 1.5-  
2mm, awns 3mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Alopecurus carolinianus*

Carolina Foxtail

Native



© 2006 Adonis (Don) Tate  
osomocoso@yahoo.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1006+1205](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1006+1205)

Lifeform

Annual Herb

Blooming Season

May-June

Habitat

Disturbed, waste places,  
uncommon

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: ligule 3-4.5mm; Infl: 1-7cm, 4-6mm wide;  
Spikelet: glumes 2-3mm, lemma awn bent

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Alopecurus saccatus*

Sacramento Orcutt Grass

Native



© 1999 John Game  
jcggame@lbl.gov

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8251+3201+1721+0013](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8251+3201+1721+0013)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools, moist, open  
meadows

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: upper sheath inflated; ligule 1.5-5.5mm; Infl: 1.5-6.5cm; Spikelet: glumes 3-5mm, lemma awn bent, exceeding lemma body by 3-5mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Aristida oligantha*

Oldfield Three-Awn

Native



© 2001 Julie Kierstead Nelson  
jknelson@fs.fed.us

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0102+0281](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0102+0281)

Lifeform

Annual Herb

Blooming Season

not available

Habitat

Dry slopes, fields, grassland,  
scrub, woodland

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: branched, 3-7dm; Lf:blade 3-22cm, gen.  
inrolled; Infl: 12-25 cm, open, raceme-like;  
Spikelets: ±sessile, spreading, glumes subequal,  
short-awned, lower 3-5 veined, lemma 13-20mm,  
central awn gen. 3.5-7cm, lateral awns slightly  
shorter

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Avena barbata*

Slender Wild Oat

CalIPC Impact(2006) : Moderate *Introduced*



© 2001 Steven Thorsted  
steventhorsted@hotmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0801+0500](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0801+0500)

Lifeform

Annual, Perennial herb

Blooming Season

March-June

Habitat

Waste fields

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: glabrous to minutely scabrous; Spikelet: glumes 18-30mm, 5-7 veined; lemmas 12-18mm, generally soft-hairy below awn, forks at tip 2-6mm, bristly, awn 20-40mm, bent, twisted below bend

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Avena fatua*

Wild Oat

CalIPC Impact(2006) : Moderate *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

<http://tncweeds.ucdavis.edu/photos/avefa02.jpg>

Lifeform

Annual Herb

Blooming Season

April-June

Habitat

Common weed

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: blade minutely scabrous; Spikelet: glumes 18-25mm, 7-9 veined; lemmas 14-20mm, glabrous, soft hairy in lower third, forks at tip < 1mm, awn 25-40mm, bent, twisted below bend

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Poaceae

## *Beckmannia syzigachne*

American Slough Grass

Native



© 1995 Doreen L. Smith  
dsmith@lvha.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0103+0515](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0103+0515)

Lifeform

Annual Herb

Blooming Season

May-July

Habitat

Wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: ligule 4-8mm; Infl: 9-28cm, narrow, dense;  
Spikelet: 1.5-3mm; glumes glabrous to finely  
scabrous, tip short-pointed; 1 floret; lemma 2-3mm,  
2-toothed

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Briza maxima*

Big Quakinggrass

CalIPC Impact(2006) : Limited *Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=9092+3191+3542+0004](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=9092+3191+3542+0004)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Leaves: Ligule 1-4mm; Infl: 2-10cm, Spiklets 1-14 per infl, 10-19mm, glumes: 4-7mm, 5-9 veined, florets 12-19; lemmas 6-8mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Poaceae

## ***Briza minor***

Little Quaking Grass

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+1103](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+1103)

Lifeform

Annual Herb

Blooming Season

April-June

Habitat

Shaded or moist, open sites

**Characteristics:**

UC Davis Herbarium Specimen:

Stems: 1-8; Lf: ligule 3-6mm, blade 3-10mm wide;  
Infl 3-20cm; Spikelets: >15 per infl, subconic,  
truncate at base; glumes 1.5-4mm; florets 4-6;  
lemmas 1-2mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Bromus alopecuroides*

Brome

*Introduced*



© 2005 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1205+1503](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1205+1503)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: soft hairy blade, ligule <5mm, membranous, entire to fringed; Infl: panicle-like, 4-10cm, erect; Spikelet: lower glume 8-10mm, 3-veined; upper glume 9.5-12mm, 3-5-veined; florets 7-13, awn 10-18mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Bromus carinatus*

California Brome

Native



© 2005 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1205+1522](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1205+1522)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Open shrubland, woodland

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheath glabrous to soft hairy, blade glabrous, scabrous or hairy; Infl: 5-20cm, lower branches spreading; Spikelet: glumes keel-like, glabrous to soft-hairy, lower 6.5-12mm, 3-veined, upper 9-15mm, 5-7(9)-veined, florets 7-11; lemma body 12-17mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Bromus catharticus*

Rescue Grass

*Introduced*



© 2006 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0306+1831](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0306+1831)

### Lifeform

Annual, Perennial Herb

### Blooming Season

April-November

### Habitat

Open, generally disturbed  
places, fields

### **Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheath gen. short-soft-hairy; Infl: 10-30 cm,  
±open, gen. erect; Spikelet strongly compressed,  
glabrous to minutely scabrous; glumes keel-like,  
lower 7-12mm, 5-7(9) veined, upper 8-13mm, 7-9  
veined; florets 5-13; lemma body 9-12mm; awn 0-  
2.5mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Bromus diandrus*

Ripgut Grass

CalIPC Impact(2006) : Moderate *Introduced*



© John M. Randall/The Nature Conservancy  
jarandall@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/brodi02.jpg>

Lifeform

Annual Herb

Blooming Season

April-June

Habitat

Grasslands, woodlands

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: soft-hairy; Infl: lower branches nodding; upper spreading to ascending; Spikelet: lower glume 1-veined; upper glume 3-veined; florets 5-8; lemma body 18-30mm, 5-7-veined, back rounded, awn 30-55mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Bromus hordeaceus*

Soft Chess

CalIPC Impact(2006) : Limited *Introduced*



© John M. Randall/The Nature Conservancy  
jarandall@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/broho02.jpg>

Lifeform

Annual Herb

Blooming Season

April-July

Habitat

Grasslands, woodlands

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: generally soft-hairy; Infl: 2.5-13cm; Spikelet:  
compressed, glabrous to short-soft-hairy; lower  
glume 5-8mm, 3-veined, upper glume 6-9mm, 5-7-  
veined; palea generally < lemma

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Poaceae

## *Bromus tectorum*

Cheat Grass

*Introduced*



© 2001 Joe DiTomaso  
jmditomaso@ucdavis.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0102+0334](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0102+0334)

Lifeform

Annual Herb

Blooming Season

May-June

Habitat

Open, disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheath gen. densely soft-hairy; Infl: 6-22cm, open to ±dense; Spikelet: glumes glabrous to short-hairy, lower 5-8mm, 1-veined, upper 7-12mm, 3-veined; florets 3-7; lemma body 9-13mm, 5-7 veined, glabrous-short hairy, tip: 2 teeth 1-3mm, awn 8-18mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Crypsis schoenoides*

Swamp Grass

*Introduced*



© 2003 George W. Hartwell  
chaparral95640@hotmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0703+0768](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0703+0768)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Seasonal wetlands

**Characteristics:**

Plant: pink to purple, mat-like; Lf: glabrous, ligule hairy; Infl: 3-75mm, 5-15mm wide, ovoid to cylindrical, enclosed by subtending sheath; Spikelet: glume margin glabrous

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Poaceae

## ***Crypsis vaginiflora***

Prickle Grass

*Introduced*



© 1990 Dean Wm. Taylor, Ph.D  
dwtaylor@cruzers.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0901+0505](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0901+0505)

Lifeform

Annual Herb

Blooming Season

June-September

Habitat

Mud flats, sand bars

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: generally green, mat-like; Stems: prostrate;  
Lf: sheath hairy, ligule hairy; Infl: 3-15mm, 3-6mm  
wide, ±ovoid, generally enclosed by subtending  
sheath; Spikelet: lower glume margin hairy

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Cynodon dactylon*

Bermuda Grass

CalIPC Impact(2006) : Moderate *Introduced*



© 2001 CDFA

fhrusa@cdfa.ca.gov

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0175+3301+2283+0048](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0175+3301+2283+0048)

Lifeform

Perennial Herb

Blooming Season

June-August

Habitat

Common weed

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: upper surface hairy; ligule white-hairy; Spikelet: glumes generally purplish; lemma boat-shaped, margins hairy

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Cynosurus echinatus*

Hedgehog Dogtail

*Introduced*



© 2004 Keir Morse  
keir\_morse@yahoo.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0104+0302](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0104+0302)

Lifeform

Annual Herb

Blooming Season

May-July

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Infl: 1-4cm, head-like; Fertile Spikelet: 5-6mm,  
glumes keeled, short-awned; lemma back rounded;  
Sterile Spikelets: glumes keeled, short-awned

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Deschampsia danthonioides*

Annual Hairgrass

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0504+0130](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0504+0130)

<u>Lifeform</u>	<b>Characteristics:</b>	<u>UC Davis Herbarium Specimen:</u> <input checked="" type="checkbox"/>
Annual Herb	Stems: solitary to loosely clumped; Lvs: basal, glabrous; ligule 2-4mm; blades inrolled; Infl: narrow to open; Spikelet: glume and lemma tips sometime purplish; glumes 3-veined; florets 2; lemmas 2-3mm, 2-3-toothed at tip, awned below middle, awn 4-9mm	
<u>Blooming Season</u>		
Not Available		
<u>Habitat</u>		
Moist to drying open sites		
	<a href="http://ucjeps.berkeley.edu/interchange.html">http://ucjeps.berkeley.edu/interchange.html</a>	
	<a href="http://www.calflora.org/">http://www.calflora.org/</a>	

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Poaceae

## *Digitaria sanguinalis*

Crabgrass

*Introduced*



© 2005 Luigi Rignanese  
rnlgu@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0905+0510](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0905+0510)

Lifeform

Annual Herb

Blooming Season

June-September

Habitat

Common weed

**Characteristics:** [UC Davis Herbarium Specimen:](#)

Infl: five "fingered", spikelets many, generally 2 per node; thick low growing vegetation

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Distichlis spicata*

Saltgrass

Native



© 2005 Brent Miller  
foliosus@foliosus.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0305+0423](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0305+0423)

Lifeform

Perennial Herb

Blooming Season

April-July

Habitat

Wet areas

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: taste salty, 2-ranked, stiff; Plant: rarely in flower

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Poaceae

## *Echinochloa crus-galli*

Barnyard Grass

*Introduced*



© 2001 CDFA

FHrusa@cdfa.ca.gov

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0175+3301+2283+0076](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0175+3301+2283+0076)

Lifeform

Annual Herb

Blooming Season

July-October

Habitat

Waste places, damp ground

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: margins rippled; Stem: red bottom; Infl: spikelet  
1 per node; Fr: red or greenish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Elymus glaucus*

Blue Wildrye

Native



© 2002 James B. Gratiot  
lgratiot@comcast.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0402+0264](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0402+0264)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Wet grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheath glabrous or hairy; Infl: spikelets 2 per node; Spikelet: glumes 6.5-19mm, short-awned; lower florets concealed; lemma 8.5-14mm, awn <30mm, generally straight

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Eragrostis pectinacea* var. *pectinacea*

Love Grass

Native



Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0407+1333](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0407+1333)

Lifeform

Annual Herb

Blooming Season

July-October

Habitat

Open disturbed sites, fields

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 1.5-6(7.5)dm; Lf: sheaths gen. < internodes, glabrous, except white- hairy-tufted at collar margins; Infl: (5)10-25cm, 3-12(15) cm wide, open; Spikelet: 5-8mm, glumes thin, grey-green or red tip, stalks appressed to branches, diverging < 20 degrees

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Poaceae

## *Gastridium ventricosum*

Nit Grass

*Introduced*



© 2001 Julie Kierstead Nelson  
jknelson@fs.fed.us.

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0102+0278](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0102+0278)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands, vernal pools

**Characteristics:**

Lf: ligule 2-4mm; Infl: 4-10mm wide; Spikelet:  
glumes translucent between veins, keel minutely  
scabrous; lemma awned below truncate, toothed  
tip, awn 3-5mm, straight to curved

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Glyceria borealis*

Manna Grass

Native



© 2002 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1102+1597](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1102+1597)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Wet areas

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: ligule 4-12mm; Infl: 18-50cm, narrow; spikelets appressed; Spikelet: cylindric; lower glume 1-2mm, upper 2-3.5mm; florets 6-11; lemma widest below middle

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Glyceria declinata*

Waxy Mannagrass

CalIPC Impact(2006) : Moderate *Introduced*



Jennifer Buck  
jenderbucket@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0207+0930](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0207+0930)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Vernalpools, swales, ditches

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheaths tubular; ligule eciliate membrane 4-9mm long; blade smooth, margins scabrous; Infl: panicle open 4-30cm long; spikelets ascending, solitary

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

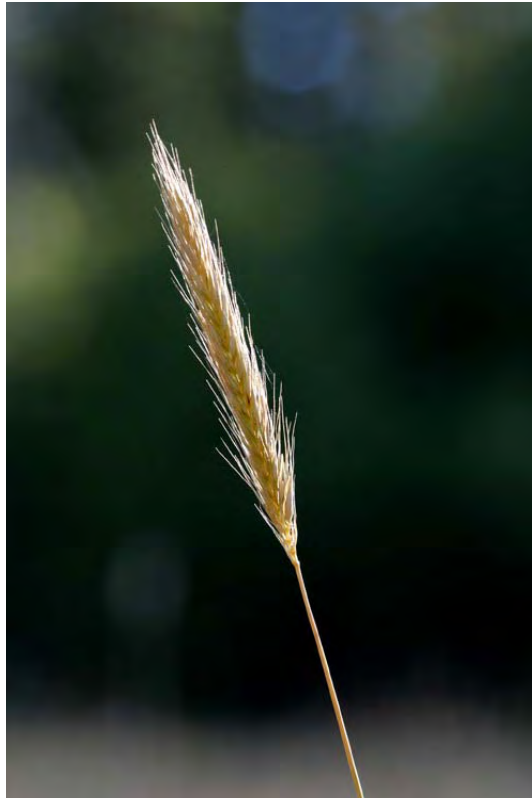
# Plants of the Cosumnes River Preserve

Poaceae

## *Hordeum brachyantherum*

Meadow Barley

Native



© 2004 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0204+0695](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0204+0695)

Lifeform

Perennial Herb

Blooming Season

May-August

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: loosely to densely tufted; nodes glabrous; Lf: sheath glabrous to sparsely hairy; Infl: 8-10cm, green to purplish; Central Spklt: glumes 7-19mm; lemma awn 3.5-22mm; Lateral Spklt: glumes 6.5-19mm, lemma awn <7.5mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

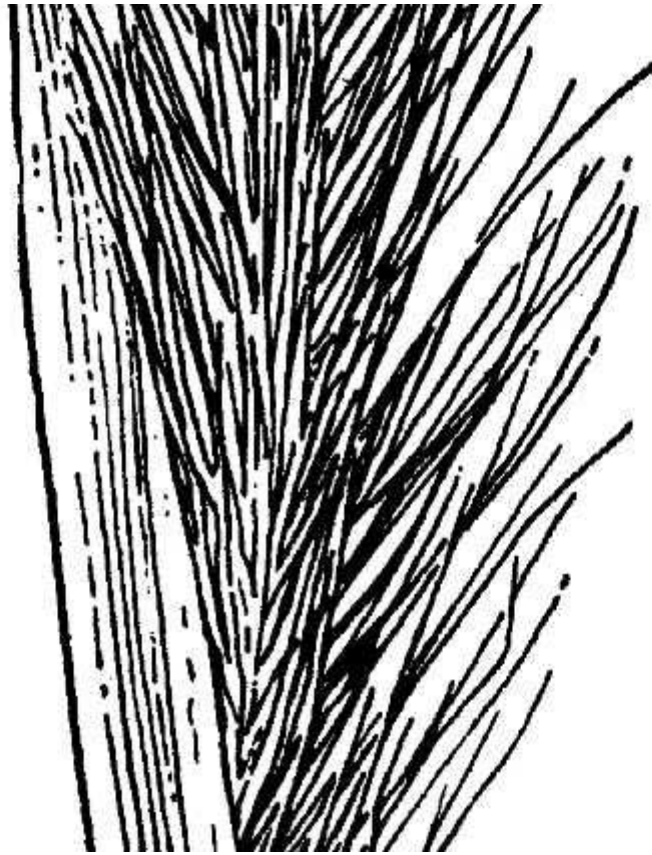
# Plants of the Cosumnes River Preserve

Poaceae

## *Hordeum depressum*

Barley

Native



USDA-NRCS PLANTS Database/Hitchcock, A.S. (rev. A. Chase). 1950.

<http://plants.usda.gov/java/profile?symbol=HODE2>

Lifeform

Annual Herb

Blooming Season

April-May

Habitat

Moist alkaline places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect, loosely tufted; nodes glabrous; Lf: basal sheaths and blades hairy; Infl: pale green or reddish; Central Spklt: glumes 5.5-20mm; lemma awn 3-12mm; Lateral Spklt: staminate or sterile, sometimes bisexual; lemma awn <1mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Poaceae

## *Hordeum marinum ssp. gussoneanum*

Mediterranean Barley

CalIPC Impact(2006) : Moderate *Introduced*



© Barry A. Rice/The Nature Conservancy  
bamrice@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/hormu02.jpg>

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Mesic grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: bent at base or erect; nodes glabrous; Lf: basal sheaths hairy; Infl: green to purple, breaking apart at nodes in fruit; Central Spikelet: glumes not flat at base; lemma awn 6-18mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Poaceae

## ***Hordeum murinum ssp. leporinum***

Foxtail Barley

CalIPC Impact(2006) : Moderate *Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

<http://tncweeds.ucdavis.edu/photos/hormu01.jpg>

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Mesic grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect, nodes glabrous; Lf: basal sheaths glabrous to hairy; Infl: green to glaucous, sometimes reddish or brown in fruit; Central Spikelet: glumes flattened at base; lemma awn 20-40mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Leersia oryzoides*

Rice Cutgrass

Native



© 2005 Luigi Rignanese  
rnlgu@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0506+2281](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0506+2281)

Lifeform

Perennial Herb

Blooming Season

August-October

Habitat

Marshes, stream banks

**Characteristics:**

[UC Davis Herbarium Specimen:](#)

Stems: nodes short, soft-hairy; Lf: sheath glabrous; ligule truncate; blade margin strongly scabrous with downward-pointing teeth; Spikelet: lemma 4-5mm, strigose on back

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Leptochloa fascicularis*

Sprangletop

**Native**



Information from University of California Statewide IPM Program, J. K. Clark, photographer  
mark.skinner2@usda.gov

[http://ceventura.ucdavis.edu/weeds/leptochloa\\_fascicularis.htm](http://ceventura.ucdavis.edu/weeds/leptochloa_fascicularis.htm)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Ditches

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheath glabrous; ligule 2-5mm, membranous, jagged; Spikelet: 6-12mm; glumes 2-4mm; florets 6-12; lemma 3.5-5mm, back rounded, densely hairy below middle, awn at tip 1-3mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Leymus triticoides*

Creeping Wild Rye

Native



© 2005 Keir Morse  
uvularia@keiriosity.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1205+0746](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1205+0746)

<u>Lifeform</u>	<b>Characteristics:</b>	<u>UC Davis Herbarium Specimen:</u> <input checked="" type="checkbox"/>
Perennial Herb	Plant: from rhizome; St: 4.5-13dm, glabrous to hairy; Lf: ligule 0.2-1.3mm, blade 2.5-4mm wide, upper surface scabrous; Infl: 5-20cm, narrow, spikelets 1-3 per node; Spikelet: glumes 5-16mm, awl-like; lemmas 5-12mm, glabrous to puberulent, awn±3mm	
<u>Blooming Season</u>		
June-July		
<u>Habitat</u>		
Grasslands		
	<a href="http://ucjeps.berkeley.edu/interchange.html">http://ucjeps.berkeley.edu/interchange.html</a>	
	<a href="http://www.calflora.org/">http://www.calflora.org/</a>	

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Lolium multiflorum*

Italian Ryegrass

CalIPC Impact(2006) : Moderate *Introduced*



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8076+3101+3986+0141](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8076+3101+3986+0141)

### Lifeform

Annual, Biennial herb

### Blooming Season

June-August

### Habitat

Lawn grass

### **Characteristics:**

UC Davis Herbarium Specimen:

Lf: ligule 1-3mm; Infl: spike-like; Spikelet: 10-15mm;  
glume < rest of spikelet, linear-lanceolate; lemmas  
5-7mm, awn 1-8mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Lolium perenne*

Perennial Ryegrass

*Introduced*



© 2003 James B. Gratiot  
lgratiot@comcast.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0403+0357](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0403+0357)

### Lifeform

Perennial Herb

### Blooming Season

Not Available

### Habitat

Grassland, wet areas

### **Characteristics:**

UC Davis Herbarium Specimen:

Lf: ligule 1-3mm; Infl: spike-like, sometimes panicle-like; Spikelet: 10-15mm; glume < rest of spikelet, linear-lanceolate; lemmas 5-7mm, awnless

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Nassella pulchra*

purple Needlegrass

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+1104+0324](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+1104+0324)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 3-10dm; Infl: 18-60cm; Spikelet: glumes subequal; lemma evenly hairy, glabrous on veins, awn 38-100mm, strongly bent twice, distal segment straight

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Poaceae

## *Panicum acuminatum*

Panic Grass

Native



© 2001 Julie Kierstead Nelson  
jknelson@fs.fed.us

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0102+0413](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0102+0413)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Moist places, marshes,  
streambanks

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheath 2-7cm, generally short-hairy; ligule 2-5mm, hairy; blade 3-15cm long, 2-13mm wide, upper surface glabrous or short-soft-hairy; Infl: 4-9cm; primary branches 2-4cm; spikelet 1 per node; Spikelet: lemma 7-veined, tip rounded, palea vestigial

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Panicum dichotomiflorum*

Smooth Witchgrass

*Introduced*



© 2005 Adonis (Don) Tate  
osomocoso@yahoo.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0805+0477](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0805+0477)

Lifeform

Annual Herb

Blooming Season

July-October

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent to erect; Lf: sheath 4-9cm, glabrous; ligule 1-2mm, membranous; Infl: 7-20cm; primary branches 4-16cm; spikelets 1-2 per node; Spikelet: lower glume 1-3-veined; lemma 7-veined, acute

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Paspalum dilatatum*

Dallis Grass

*Introduced*



© Barry A. Rice/The Nature Conservancy  
bamrice@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/pasdi01.jpg>

Lifeform

Perennial Herb

Blooming Season

May-November

Habitat

Roadsides, ditches, waste  
place

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent to erect; Lf: sheath 6-30cm, glabrous to hairy; ligule 2-8mm; blade 9-35cm, 4-10mm wide, upper surface glabrous; Infl: primary branches 3-6; spikelets many, 2 per node; Spikelet: elliptic, green to purple; lower glume 0

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Paspalum distichum*

Knot Grass

Native



© 2005 Luigi Rignanese  
rgnlg@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0905+0979](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0905+0979)

Lifeform

Perennial Herb

Blooming Season

June-October

Habitat

Along coast, interior ditches

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent to erect; Lf: sheath 3-20cm, glabrous; ligule <1.5mm; blade 2-22cm, 2-7mm wide, upper surface glabrous; Infl: primary branches 2-3; spikelets many, 1-2 per node; Spikelet: lower glume <2.5mm, 1-veined; lower floret lemma 3-5-veined

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Phalaris aquatica*

Harding Grass

CalIPC Impact(2006) : Moderate *Introduced*



Douglas Barbe © 2001 CDFA  
fhrusa@cdfa.ca.gov

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0175+3301+2363+0046](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0175+3301+2363+0046)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Wet areas, ditches

**Characteristics:**

Spikelet: glumes 4.5-7.5mm, glabrous, minutely toothed, keel wing-like; upper lemma densely hairy

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Phalaris lemmonii*

Lemmon's Canary Grass

Native



© Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+1104+0376](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+1104+0376)

Lifeform

Annual Herb

Blooming Season

April-June

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Infl: 4-12cm, interrupted at base; Spikelet: glumes 5-7mm, wing 0, veins scabrous; lower florets 2; upper lemma 4-5mm, lanceolate-ovoid, swollen, hairs spreading except tip glabrous

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

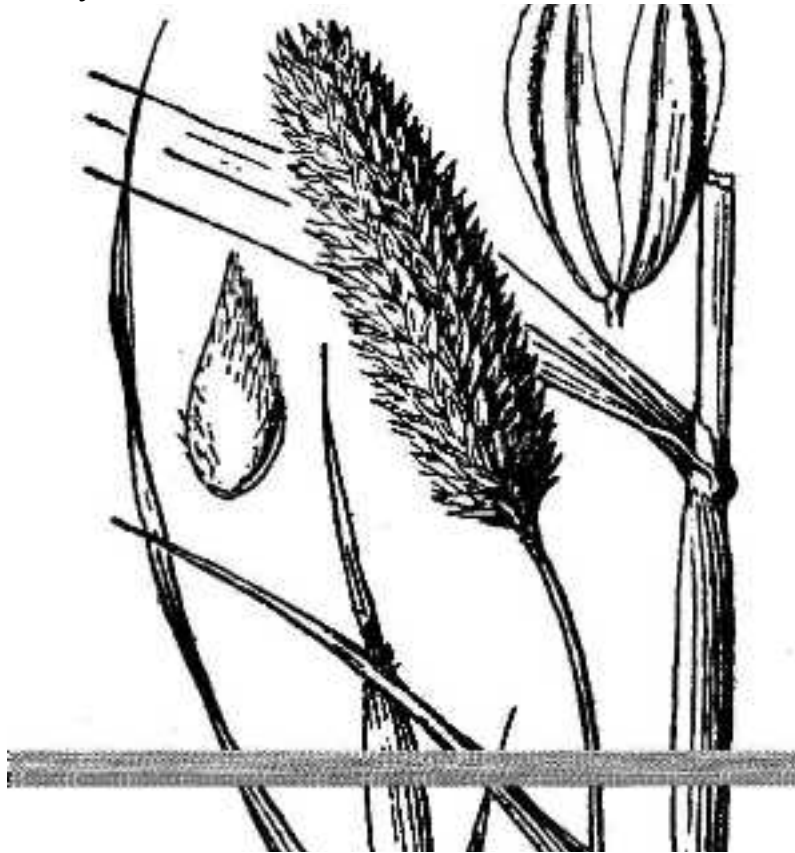
# Plants of the Cosumnes River Preserve

Poaceae

## *Phalaris minor*

Littleseed Canary Grass

*Introduced*



© 2006 James M. Andre  
granites@telis.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0106+0988](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0106+0988)

Lifeform

Annual Herb

Blooming Season

April-July

Habitat

Waste, disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Infl: 1-6cm, 1-2cm wide; Spikelet: glumes 4-6.5mm, glabrous, wing entire or toothed; lower floret 1; upper lemma 3-4mm, widely ovate, hairy

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Phalaris paradoxa*

Canary Grass

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+1104+0377](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+1104+0377)

Lifeform

Annual Herb

Blooming Season

May-August

Habitat

Waste, disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Infl: 3-9cm, 1-2cm wide; Fertile Spikelet:  
surrounded by 5-6 sterile, short-stalked spikelets;  
glumes 5.5-8mm, glabrous, wing lobed to toothed;  
lower florets vestigial; upper lemma 2.5-3.5mm,  
glabrous or sparsely hairy near tip

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Poaceae

## *Phleum pratense*

Timothy

*Introduced*



© 2002 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0902+0164](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0902+0164)

Lifeform

Perennial Herb

Blooming Season

May-June

Habitat

Cultivated waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: solitary to loosely clumped; base generally swollen; Lf: basal few, generally spreading; Infl: 4-18cm, 5-8mm wide, cylindric; Spikelet: glumes 2-3mm; lemma 1-2.5mm, veins puberulent

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Pleuropogon californicus*

Semaphore Grass

Native



© 2004 James B. Gratiot  
lgratiot@comcast.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0304+0703](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0304+0703)

Lifeform

Perennial Herb

Blooming Season

March-May

Habitat

Wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent to erect, clumped, 1.5-9.5dm, often rooting at lower nodes; Lf: ligule 2-6mm; blade 3-6mm wide; Infl: 8-30cm; Spikelet: 15-50mm, spreading to erect; lower glume 1-4.5mm, upper 2-6.5mm; lemma 4.5-7.5mm, awn <11mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Poa annua*

Annual Bluegrass

*Introduced*



© 2002 Julie Kierstead Nelson  
jknelson@fs.fed.us

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0302+0135](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0302+0135)

Lifeform

Annual Herb

Blooming Season

June-July

Habitat

Common weed

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheath open 2/3 length; ligule 1-5mm, rounded to obtuse; blade generally 1-3mm wide, soft, generally flat, bright or yellowish green; Infl: 1-10cm; branches spreading, smooth, with spikelets only in top 1/2; Spikelet: lemma 2.5-4mm, smooth

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Poa pratensis ssp. pratensis*

Kentucky Bluegrass

CalIPC Impact(2006) : Limited *Introduced*



Dan Tenaglia - missouriplants.com  
moflora@hotmail.com

[http://www.missouriplants.com/Grasses/Poa\\_pratensis\\_page.html](http://www.missouriplants.com/Grasses/Poa_pratensis_page.html)

Lifeform

Perennial Herb

Blooming Season

May-August

Habitat

Common

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: sheath open 1/2-3/4 length; ligule 1-4mm, truncated to rounded, smooth to minutely scabrous at margin; blade generally 2-4mm wide; Infl: generally 6-15cm; Spikelet: callus densely long-cobwebby; lemma 3-4mm, keel and marginal veins hairy

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Polypogon interruptus*

Ditch Rabbit Foot Grass

*Introduced*



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0402+0136](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0402+0136)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 5-9dm, clumped; Lf: ligule 2-8mm, obtuse to truncate, minutely hairy; blade 0.5-19.5cm, 3-6mm wide; Infl: 1.5-18cm; Spikelet: glumes 1.5-3mm, scabrous; awns 1.5-4.5mm, purplish; lemma 1-2mm, awn 0.5-3mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Polypogon maritimus*

Mediterranean Beard Grass

*Introduced*



© 2004 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0904+0331](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0904+0331)

Lifeform

Annual Herb

Blooming Season

May-August

Habitat

Low wet and waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 0.5-5dm; Lf: ligule <6mm, irregularly toothed, minutely hairy; blade 1-14cm, 2-4mm wide; Infl: 1-8.5cm, plume-like, densely flowered; Spikelet: glumes 1-2mm, minutely bristly below middle, awn 4.5-11.5mm; lemma 0.5-1.5mm, awn 0

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Polypogon monspeliensis*

Annual Rabbitfoot Grass

CalIPC Impact(2006) : Limited *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6246+3041+2861+0041](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6246+3041+2861+0041)

Lifeform

Annual Herb

Blooming Season

April-August

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 2-10dm; Lf: ligule 5-6mm, irregularly toothed, minutely hairy; blade 1-20.5cm, 4-6mm wide; Infl: 1-17cm, plume-like, densely flowered; Spikelet: glumes 1-2.5mm, minutely bristly, awn 2-10mm; lemma 0.5-1.5mm, awn 0.5-4.5mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Scribneria bolanderi*

Scribner's Grass

Natvie

---



© 2005 Dieter Wilken  
dwilken@sbbg.org.

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0505+1747](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0505+1747)

<u>Lifeform</u>	<b>Characteristics:</b>	<u>UC Davis Herbarium Specimen:</u> <input checked="" type="checkbox"/>
Annual Herb	Stem: nodes purple; Lf: sheath 1-5cm; ligule 2-4mm, translucent; blade midrib, margins scabrous;	
<u>Blooming Season</u>	Infl: straight, purplish; spikelets 1-2 per node;	
Not Available	Spikelet: glumes 2, 5-7mm, edge-to-edge or overlapping, upper 4-veined; lemma 4-6mm, tip notched, 5-veined	
<u>Habitat</u>		<a href="http://ucjeps.berkeley.edu/interchange.htm">http://ucjeps.berkeley.edu/interchange.htm</a>
Grasslands		<a href="http://www.calflora.org/">http://www.calflora.org/</a>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Poaceae

## *Setaria viridis*

Bristly Foxtail

*Introduced*



© 2001 CDFA

FHrusa@cdfa.ca.gov

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0175+3301+2364+0026](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0175+3301+2364+0026)

Lifeform

Annual Herb

Blooming Season

June-August

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: decumbent to erect, 2-10dm; Lf: sheath 5-15cm, scabrous; ligule 1-2mm; blade 8-20cm, upper surface glabrous; Infl: 2-15cm; Spikelet: lower glume approx 1mm, 3-veined, upper glume = spikelet length; lemma 5-veined, tip acute

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Sorghum halepense*

Johnson Grass

*Introduced*



© Barry A. Rice/The Nature Conservancy  
bamrice@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/sorha01.jpg>

Lifeform

Perennial Herb

Blooming Season

May-August

Habitat

Low wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: erect, 0.5-2m; Lf: blade 0.5-2cm wide; Infl: 1-5dm, 5-25cm wide, generally open; lower branches spreading to ascending; Sessile spikelet: 4-6.5mm; lemma 4-5mm, awn 9-10mm or 0

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Taeniatherum caput-medusae*

Medusa-head

CalIPC Impact(2006) : High *Introduced*



© Fred Hrusa  
fhrusa@cdfa.ca.gov

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0175+3301+2283+0083](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0175+3301+2283+0083)

<u>Lifeform</u>	<b>Characteristics:</b>	<u>UC Davis Herbarium Specimen:</u> <input checked="" type="checkbox"/>
Annual Herb	Stem: 2-6dm, decumbent to ascending; Lf: sheath glabrous; ligule <0.5mm; blade 1-3mm wide, glabrous to puberulent, long-ciliate near collar;	
<u>Blooming Season</u>	Spikelet: glumes 1.5-4cm, fused at base, awn-like, stiff; lemma body 5-8mm, awn 3-7cm, flat, straight to curving	
Not Available		<a href="http://ucjeps.berkeley.edu/interchange.html">http://ucjeps.berkeley.edu/interchange.html</a>
<u>Habitat</u>		<a href="http://www.calflora.org/">http://www.calflora.org/</a>
Grasslands		

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Poaceae

## *Triticum aestivum*

Wheat

*Introduced*



© 2005 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0205+0481](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0205+0481)

Lifeform

Annual Herb

**Characteristics:**

Bunch grass up to 1.5m

UC Davis Herbarium Specimen:

Blooming Season

April-July

Habitat

Waste places

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Vulpia bromoides*

Fescue

CalIPC Impact(2006) : Eval No List *Introduced*



Jennifer Buck  
jenderbucket@gmail.com

<http://www.legambientearcipelagotoscano.it/biodiversita/flora/habitat/garighe/vulpia%20%20bromoides.jpg.jpg>

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Mesic grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: <5dm, glabrous or hairy; Infl: 1.5-15cm, dense, clearly greater than uppermost leaf; branches 1-3 per node; spikelet stalk flat or winged; Spikelet: 5-10mm, florets 4-7; lemma 5.5-8mm, awn 2.5-12mm, scabrous

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Vulpia microstachys*

Small Fescue

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

<http://www.cnplx.info/nplx/species?taxon=Vulpia+microstachys>

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 1.5-7.5 dm, glabrous; Infl: 2-24cm, more or less open, at least lower branches spreading or reflexed; branches 1 per node; Spikelet: florets 2-4; lemma 4-9.5mm, awn 3.5-12mm; Fr: more or less 4-6mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Poaceae

## *Vulpia myuros*

Rattail Fescue

CalIPC Impact(2006) : Moderate *Introduced*



© 2002 James B. Gratiot  
lgratiot@comcast.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0402+0279](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0402+0279)

### Lifeform

Annual Herb

### Blooming Season

Late Winter

### Habitat

Grasslands

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: <7.5dm, glabrous or scabrous only near inflorescence; Infl: 4-25cm, <2cm wide, branches 1-3 per node; Spikelet: 5-11.5 mm; florets 3-6; lemma 4.5-6.5mm, awn 5-15mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Polemoniaceae

## *Navarretia intertexta*

Needle-leaf Navarretia

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6212+3041+0485+0021](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6212+3041+0485+0021)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: puberulent or hairy below heads; Lf: 1-2-pinnate, glabrous or white-hairy near base; Infl: bracts and calyces white-hairy about middle; Flr: calyx ribs tufted-hairy within sinuses; corolla white, lobes ovate, 1 vein entering base; stigmas 2

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Polemoniaceae

## *Navarretia leucocephala*

White-head Navarretia

Native



© 2003 George W. Hartwell  
chaparral95640@hotmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0403+0830](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0403+0830)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: puberulent or hairy below heads; hairs recurved; Lvs: 1-2-pinnate; upper leaves hairy at base; Infl: outer bracts leaf-like, lobes needle-like; Flr: calyx ribs glabrous, tapered, gland-dotted below; corolla 4-10mm, white petals

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Polemoniaceae

## ***Navarretia leucocephala ssp. leucocephala***

White-flowered Navarrietia

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+1097](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+1097)

Lifeform

Annual Herb

Blooming Season

April-May

Habitat

Vernal pools

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 2-22cm; Lvs: 1mm wide; Infl: longer bracts >2 times head, lobes 3-4-branched on back; Flr: 1 to few in small clusters, calyx ribs glabrous; corolla white, 6 stamens

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Polemoniaceae

## ***Navarretia pubescens***

Purple Navarretia

**Native**



© 2001 George W. Hartwell  
chaparral95640@hotmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0501+0170](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0501+0170)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: glandular; Stem: tan to red-brown; Lf: 2-pinnate; upper lvs puberulent or hairy; Infl: generally glandular hairy at middle of bracts; Flr: calyx ribs strap-shaped to base, 2 lobes toothed; corolla tube and throat purple, lobes bright blue

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Polemoniaceae

## *Navarretia squarrosa*

Skunk Weed

Native



William R. Hewlett © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=8266+3261+1073+0024](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=8266+3261+1073+0024)

Lifeform

Annual Herb

Blooming Season

June-August

Habitat

Dry flats and fields

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: spreading, long-hairy, glandular; odor skunk-like; Lvs: lower 1-2-pinnate; spiny; Flr: corolla deep blue, lobes 2mm; stamens attached in tube, included; stigmas 3

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Polemoniaceae

## *Navarretia tagetina*

Marigold Navarretia

Native



© 1990 Arthur H. Bazell, M.D.  
bazell@maxinet.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+0702+0959](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+0702+0959)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: 2-pinnate, hairy near base; Infl: outer bracts leaf-like, tip short-toothed; Flr: calyx 7-8mm, ribs tapered, ciliate within at sinuses; corolla 9-11mm, pale blue, lobes with 3 veins entering base; stamens attached in upper throat, stigmas 3

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

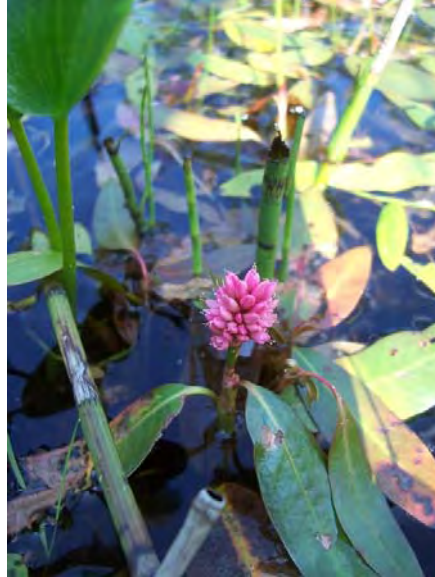
# *Plants of the Cosumnes River Preserve*

Polygonaceae

## *Polygonum amphibium*

Polygonum

**Native**



© 2006 Matt Below  
kdubandco@yahoo.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0906+0479](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0906+0479)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: terrestrial, emergent, or floating; Stem: rooting at nodes, stout; Lf: <35cm; stipule veiny, brown, fracturing; Infl: 1-15cm, dense; Flr: perianth 4-6mm, deep pink; filaments thread-like; Fr: 2.5-3mm, round, flat, brown, shiny

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Polygonaceae

## *Polygonum amphibium v. emersum*

Polygonum

Native



© 2003 Tom Annese  
tomannese@yahoo.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0903+0182](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0903+0182)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: generally erect, terrestrial or emergent in flower; Lf: blade lanceolate, more or less hairy, tip more or less acuminate; Infl: 4-10cm, narrowly cylindrical or conic

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Polygonaceae

## *Polygonum arenastrum*

Prostrate Knotweed

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6246+3041+2861+0001](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6246+3041+2861+0001)

### Lifeform

Annual, Perennial herb

### Blooming Season

Not Available

### Habitat

Disturbed areas

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: prostrate to erect, round, ribbed; Lvs: generally 0.5-2cm; blade linear to narrowly elliptic; Infl: flowers 2-8 in nearly all axils; Flr: perianth 2-3mm, fused 30-50% its length, green, margin white or pink, base in fruit often prominently veiny

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Polygonaceae

## *Polygonum hydropiper*

Marshpepper, Waterpepper

*Introduced*



Dan Tenaglia - [missouriplants.com](http://missouriplants.com)  
[moflora@hotmail.com](mailto:moflora@hotmail.com)

[http://www.missouriplants.com/Whitealt/Polygonum\\_hydropiper\\_page.html](http://www.missouriplants.com/Whitealt/Polygonum_hydropiper_page.html)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Uncommon, wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: <12cm; stipule margin bristly; petiole short; blade lanceolate; Infl: drooping branches ~6cm, spike-like; Flr: perianth gland-dotted, green, margins generally red; filaments thread-like; Fr: 2-3-angled, round, dark brown, dull, bitter taste

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Polygonaceae

## *Polygonum hydropiperoides*

Waterpetter

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6246+3041+2861+0012](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6246+3041+2861+0012)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: generally 10cm; stipule strigose, margin bristly; blade linear to lanceolate, strigose; Infl: branches spike-like, generally 6-10cm, 2-5mm wide; bract margin bristly; Flr: perianth approx 3mm, light pink; filaments thread-like; Fr: dark brown, shiny

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Polygonaceae

## *Polygonum lapathifolium*

Smart Weed

Native



© 2005 Luigi Rignanese  
rgnlg@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+1005+0717](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+1005+0717)

### Lifeform

Annual Herb

### Blooming Season

June-October

### Habitat

Moist places

### **Characteristics:**

UC Davis Herbarium Specimen:

Lf: <20cm; stipule veiny, especially at base, clear brown; blade often hairy below; Infl: branches spike-like, 3-8cm, generally drooping, dense; Flr: perianth 2mm, greenish to pink, lobes generally 4, veins in fruit prominent; filaments thread-like

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Polygonaceae

## *Polygonum persicaria*

Lady's Thumb

*Introduced*



© 2001 CDFA

fhrusa@cdfa.ca.gov

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0175+3301+2363+0064](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0175+3301+2363+0064)

Lifeform

Annual Herb

Blooming Season

June-November

Habitat

Moist waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: sometimes swollen above nodes; Lf: <20cm; blade narrowly lanceolate, generally with dark central spot, generally gland-dotted below; Infl: spike-like, dense, <3cm, generally interrupted below; Flr: perianth 2mm, deep pink (rarely white)

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Polygonaceae

## *Polygonum punctatum*

Water Smartweed

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+1104+0734](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+1104+0734)

Lifeform

Perennial Herb

Blooming Season

July-October

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: <15cm; stipule margin entire or bristly; blade narrowly lanceolate; Infl: branches generally 5-8cm, slender, interrupted below; Flr: perianth generally green, dotted with green glands, margin generally white; filaments thread-like; Fr: 2-3 angled

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Polygonaceae

## *Rumex acetosella*

Sheep Sorrel

CalIPC Impact(2006) : Moderate *Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0389](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0389)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Moist Places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: <4dm; Lvs: basal 2-10cm; Flr: perianth red,  
inner lobe 2mm, smooth, no teeth, no tubercles

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Polygonaceae

## *Rumex conglomeratus*

Clustered Dock

*Introduced*



Information Center for the Environment  
ICE

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6246+3041+2918+0009](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6246+3041+2918+0009)

Lifeform

Perennial Herb

Blooming Season

April-October

Habitat

Low moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: <15dm; Lvs: basal and cauline, <30cm; Infl: interrupted, leafy; Flr: perianth lobe 2-3mm, ovate, no teeth, tubercles 1-3, 1/2 width of lobe, oblong; Fr: 1.5-2mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Polygonaceae

## *Rumex crispus*

Curly Dock

CalIPC Impact(2006) : Limited *Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1104+0326](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1104+0326)

### Lifeform

Perennial Herb

### Blooming Season

May-September

### Habitat

Common weed

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: <15dm, stout; Lvs: basal and cauline, <50cm;  
Infl: narrow, interrupted to continuous, can be leafy;  
Flr: inner perianth lobe 5mm, ovate to round, no  
teeth, 3 tubercles, ovate, unequal, <1/3 width of  
lobe; Fr: 2mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Polygonaceae

## *Rumex pulcher*

Fiddle Dock

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1104+0361](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1104+0361)

### Lifeform

Perennial Herb

### Blooming Season

May-September

### Habitat

Waste places

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: <1m; Lvs: basal and cauline, <12cm, often narrow below middle forming a "fiddle" shape; Flr: inner perianth lobe 3-5mm, ovate, teeth slender to base, some 1.5mm, 3 tubercles, ovate, unequal or inconspicuous; Fr: 2-3mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Polygonaceae

## *Rumex salicifolius*

Willow Dock

Native



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8120+3181+4565+0103](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8120+3181+4565+0103)

### Lifeform

Perennial Herb

### Blooming Season

May-September

### Habitat

Moist places

### **Characteristics:**

Stem: <1m; Lvs: cauline; crowded below; Infl: dense; Flr: inner perianth lobe 2-5mm, narrowly ovate to round, no teeth, tubercles variable; Fr: 2-3mm

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Pontederiaceae

## *Eichhornia crassipes*

Water Hyacinth

CalIPC Impact(2006) : High ndroduced



Ingrid B. Hogle  
ibhogle@mindspring.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0175+3301+2283+0078](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0175+3301+2283+0078)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Aquatic

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 1.5-12dm, branched; Lf: blades linear to lanceolate, acute, entire or with a few irregular cuts; Infl: perianth lilac or pale blue to white, umbel, 3-35-flowered

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Portulacaceae

## *Calandrinia ciliata*

Red Maids

Native



Ingrid B. Hogle  
ibhogle@mindspring.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8253+3202+0179+0067](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8253+3202+0179+0067)

Lifeform

Annual Herb

Blooming Season

February-May

Habitat

Open grassy places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: spreading; Lf: 1-10cm, linear, flat; Infl: raceme; bracts leaf-like; Flr: petals 5, red; stamens 3-15; Seeds: 10-20, black, glabrous, with a very fine, net-like pattern

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Portulacaceae

## *Claytonia perfoliata*

Miner's Lettuce

Native



Albert P. Bekker © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8253+3202+4143+0061](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8253+3202+4143+0061)

### Lifeform

Annual Herb

### Blooming Season

February-May

### Habitat

Shaded moist areas

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: spreading to erect; Lvs: basal, blade elliptic to reniform, cauline pair fused, disk-like; Infl: stalked or sessile, open or dense, 1-bracted at base; flrs 5-40; Flr: petals 2-6mm, white or pinkish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Portulacaceae

## *Montia fontana*

Water Chickweed

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+0367](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+0367)

### Lifeform

Annual Herb

### Blooming Season

March-June

### Habitat

Rain pools

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: often tufted or matted, rooting from lower nodes; Lvs: opposite; Infl: many, some axillary; flrs 1-8, lowest 1-2-bracted; Flrs: often cleistogamous; petals white; stamens 3

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Portulacaceae

## *Portulaca oleracea*

Common Purslane

*Introduced*



© 2001 Steven Thorsted  
steventhorsted@hotmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0601+0089](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0601+0089)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: spreading; Lf: ovate to spoon-shaped, flat;  
Infl: flrs solitary or in clusters of 2-5 at stem tips;  
Flr: sepals green or reddish, generally keeled;  
petals yellow; stamens 5-20; style 4-6-branched

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Primulaceae

## *Centunculus minimus*

Chaffweed, False Pimpernel

Native



© 2005 Jennifer Buck  
jenderbucket@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0505+0851](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0505+0851)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools, moist places

**Characteristics:**

Stem: ascending; Lf: 2-5mm; Flr: pats in 4's,  
corolla<calyx, pink

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Primulaceae

## *Samolus parviflorus*

Water Pimpernel

Native



© 2006 Michael Charters  
mmlcharters@calflora.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0606+0678](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0606+0678)

Lifeform

Perennial Herb

Blooming Season

June-August

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 1.5-4dm; Lf: 2-5cm; blade generally tapered to winged petiole, tip obtuse to rounded; Infl: pedicels ascending to spreading, with 1 bractlet; Flr: calyx 1-2mm, lobes short, triangular, tooth-like; corolla more or less 1.5mm wide

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Primulaceae\*

## *Anagallis arvensis*

Scarlet Pimpernel

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5315+2021+0941+0093](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5315+2021+0941+0093)

<u>Lifeform</u>	<b>Characteristics:</b>	<u>UC Davis Herbarium Specimen:</u> <input checked="" type="checkbox"/>
Annual Herb	Stem: 5-40cm; Lf: sessile, blade 5-20mm, ovate to elliptic; Flr: pedicel 1-3cm, recurved in fruit; corolla 7-11mm wide, salmon to blue *(now in the Myrsinaceae)	
<u>Blooming Season</u>		
March-July		
<u>Habitat</u>		
Common weed		
	<a href="http://ucjeps.berkeley.edu/interchange.html">http://ucjeps.berkeley.edu/interchange.html</a>	
		<a href="http://www.calflora.org/">http://www.calflora.org/</a>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Ranunculaceae

## *Myosurus minimus*

Tiny Mousetail

Native



© 2003 George W. Hartwell  
chaparral95640@hotmail.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0403+0828](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0403+0828)

Lifeform

Annual Herb

Blooming Season

March-June

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 2-12cm, Lf: thread-like to narrowly oblanceolate; Flr: petals 5, 1.5-3mm; stamens 10; Fr: keel in a slight depression; beak generally erect to erect-appressed

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Ranunculaceae

## *Ranunculus alismifolius*

Water Plaintain Buttercup

Native



© 1995 Gary A. Monroe  
g.monroe@att.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+1202+1015](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+1202+1015)

Lifeform

Perennial Herb

Blooming Season

May-June

Habitat

Muddy banks, ditches

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 4-50cm; Stems: generally 3-5 from base, glabrous; Flr: receptacle glabrous; sepals 3-5mm; petals 5-7, 5-15mm; Frs: 12-many; cluster spheric; body 1.5-2.5mm, sides 1-2mm wide, back rounded; beak 0.5-1mm, more or less straight

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Ranunculaceae

## *Ranunculus bonariensis* v. *trisepalus*

Carter's Buttercup

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0415](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0415)

Lifeform  
Annual Herb  
Blooming Season  
Not Available  
Habitat  
Vernal pools

**Characteristics:** [UC Davis Herbarium Specimen:](#)

Plant: 4-20cm; Stem: generally branched below middle; hairs 0-sparse; Lvs: lanceolate to ovate; Flr: receptacle glabrous; sepals 3, 2-3mm; petals 2-3, 2-3mm; Frs: 9-many; cluster conic to ovoid; body 1-1.5mm, plump, smooth to finely net-like

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Ranunculaceae

## *Ranunculus californicus*

California Buttercup

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6246+3041+2844+0012](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6246+3041+2844+0012)

Lifeform

Perennial Herb

Blooming Season

February-May

Habitat

Vernally moist slopes

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 18-70cm; Lvs: glabrous to hairy; blades gen 1-ternate (terminal leaflet deeply 3-lobed) to - pinnate; Flr: sepals 3.5-7mm, hairs short, stiff; petals gen 7-22, 5-13mm; Frs: 5+, cluster spheric to wide-ovoid; back not keeled; beak gen 0.5-1mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Ranunculaceae

## *Ranunculus muricatus*

Spiny-fruit Buttercup

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6246+3041+2844+0033](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6246+3041+2844+0033)

### Lifeform

Annual, Perennial herb

### Blooming Season

May-June

### Habitat

Moist places

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: 15-50cm; Flr: receptacle hairs short, stiff; sepals 4-7mm; petals 5-8mm; Frs: gen 10-20; cluster spheric; body 5-7mm, spiny, margin thick, back very keeled, keel spines 0; beak 2-2.5mm, curved

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Ranunculaceae

## *Ranunculus pusillus*

Low Spearwort

Native



and A. Brown. 1913. Illustrated flora of the northern states and Canada. Vol. 2: 106.

<http://plants.usda.gov/java/profile?symbol=RAPUP>

UC Davis Herbarium Specimen:

Lifeform

Annual Herb

Blooming Season

April-May

Habitat

Shallow, marshy places

**Characteristics:**

Plant: 8-50cm; emergent or terrestrial; Stem: slender, glabrous; Flr: receptacle glabrous; sepals 1-2mm; petals 1-3, 1-2mm, gland pocket-like; Frs: 18-many; cluster spheric to ovoid; body approx 1mm, rough to minutely papillate, back faintly keeled

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Ranunculaceae

## *Ranunculus scleratus*

Cursed Buttercup

Native



Dan Tenaglia - [missouriplants.com](http://missouriplants.com)  
[moflora@hotmail.com](mailto:moflora@hotmail.com)

[http://www.missouriplants.com/Yellowalt/Ranunculus\\_scleratus\\_page.html](http://www.missouriplants.com/Yellowalt/Ranunculus_scleratus_page.html)

Lifeform

Annual Herb

Blooming Season

June-September

Habitat

Lake borders, marshes

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 15-50cm; Stem: erect, hollow below; Flr: receptacle gen puberulent; sepals 2-3mm; petals 2-5mm; Frs: many; cluster ovoid to subcylindric; body 1-2mm, smooth or transversely ridged, back slightly keeled; beak <1mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Rosaceae

## *Pyrus calleryana*

Callery Pear

*Introduced*



Dan Tenaglia - [missouriplants.com](http://missouriplants.com)  
[moflora@hotmail.com](mailto:moflora@hotmail.com)

[http://www.missouriplants.com/Whitealt/Pyrus\\_calleryana\\_page.html](http://www.missouriplants.com/Whitealt/Pyrus_calleryana_page.html)

Lifeform

Tree

**Characteristics:**

Tree, mature 30ft

UC Davis Herbarium Specimen:

Blooming Season

March-April

Habitat

Riparian habitat

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Rosaceae

## *Pyrus communis*

Common Pear

*Introduced*



© 2005 Luigi Rignanese  
rgnlgu@tiscali.it

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0905+1351](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0905+1351)

Lifeform

Tree

Blooming Season

Not Available

Habitat

Riparian habitats and  
homesteads

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: alt., simple, ovate, serrated margins, 1-4in in length, shiny green above, pale/dull below; Flr: white, 0.5-0.75in across, before lvs

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Rosaceae

## *Rosa californica*

Wild Rose

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6246+3041+2919+0041](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6246+3041+2919+0041)

Lifeform

Shrub

Blooming Season

May-August

Habitat

Fairly moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Shrub, often thicket-forming; Stem: gray-brown; prickles few; Lf: leaflets hairy; Infl: 1-20 flowered; Flr: petals 10-20mm, pink; pistils >10

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Rosaceae

## *Rubus discolor*

Himalayan Blackberry

*Introduced*



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0024+3291+2018+0104](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0024+3291+2018+0104)

Lifeform

Shrub

Blooming Season

Not Available

Habitat

Road sides, ditches,  
waterways

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: 5-angled; prickles many; Lf: compound;  
leaflets 3-5, generally widest above middle, sharply  
toothed, white below; Infl: many-flowered; Flr:  
petals white to pinkish; pistils >15; Fr: blackberry-  
like

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Rosaceae

## *Rubus ursinus*

California Blackberry

Native



Ingrid B. Hogle  
ibhogle@mindspring.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0305+0269](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0305+0269)

Lifeform

Vine, Shrub

Blooming Season

March-July

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: round; prickles slender; Lf: 3-lobed or compound; blade irregularly toothed, green below;  
Flr: unisexual; petals white; Fr: blackberry-like

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Rubiaceae

## *Cephalanthus occidentalis* v. *californicus*

Buttonbush

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5205+1622+2824+0088](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5205+1622+2824+0088)

Lifeform

Shrub

Blooming Season

June-September

Habitat

Streamsides

**Characteristics:**

Plant: 2-10m; Stem: when young round, reddish, glabrous; Lf: elliptic or ovate; Infl: 3-3.5cm; Flr: corolla white or yellowish, tube slender, lobes obtuse

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Rubiaceae

## *Galium aparine*

Bedstraw

Native



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0404+1117](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0404+1117)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Woodland and grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: climbing or prostrate; herbage adhesive by small, hooked prickles; Lvs: in whorls of 6-8; Infl: flrs few on branchlets in most axils; Flr: corolla rotate, whitish; Fr: nutlets; hairs many, short, hooked

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Rubiaceae

## *Galium parisiense*

Wall Bedstraw

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0205+0516](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0205+0516)

Lifeform

Annual Herb

Blooming Season

not available

Habitat

Warm, dry, generally rocky  
soil

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: slender; Lvs: in whorls of 6, 4-6 mm,  
lanceolate to oblanceolate, gen. becoming reflexed;  
Infl: panicle, open, few-flowered, pedicel thread-  
like; Flr: bisexual, corolla rotate basally, whitish or  
purplish, lobes erect; Fr: nutlets, ± elongate

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Salicaceae

## *Populus fremontii* ssp. *fremontii*

Fremont's Cottonwood

Native



© 2003 Michael Charters  
mmlcharters@calflora.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0503+0282](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0503+0282)

Lifeform

Tree

Blooming Season

March-April

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: crown wide; trunk <20m; twigs yellow, becoming gray, glabrous to hairy; winter buds resinous; Lf: laterally compressed near blade; blade 3-7cm, deltate, margin coarsely scalloped, surfaces yellow-green, glabrous to hairy, often stained milky resin

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Salicaceae

## *Salix exigua*

Narrow Leaf Sandbar Willow

Native



Joshua H. Viers  
jhviers@ucdavis.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8120+3181+4563+0111](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8120+3181+4563+0111)

Lifeform

Tree, Shrub

Blooming Season

March-May

Habitat

Wet places

**Characteristics:**

UC Davis Herbarium Specimen:

Syn: *S. hindsiana*; Shrub; Stem: twigs brownish;  
Lvs: silky; Infl: flower bract tawny; Staminate Flr:  
stamens 2; Pistillate Flr: ovary glabrous, silky

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Salicaceae

## *Salix gooddingii*

Gooding's or Black Willow

Native



© 2004 BonTerra Consulting  
info@bonterraconsulting.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0504+0192](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0504+0192)

Lifeform

Tree

Blooming Season

March-April

Habitat

Streambanks

**Characteristics:**

Tree <30m; Stem: twigs yellowish; Lvs: bright green, narrow, serrated; Staminate Flr: stamens 4-8; Pistillate Flr: ovary glabrous or hairy

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Salicaceae

## *Salix laevigata*

Red Willow

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6246+3041+2918+0100](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6246+3041+2918+0100)

Lifeform

Tree

Blooming Season

March-May

Habitat

Along streams

**Characteristics:**

UC Davis Herbarium Specimen:

Tree <15m; Stem: twigs red- to yellow-brown, hairy, becoming glabrous; Lvs: mature blade 67-150mm, shiny to highly glossy above, glaucous below; Infl: 35-110mm; Staminate Flr: stamens 5; Pistillate Flr: ovary glabrous

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Salicaceae

## *Salix lasiolepis*

Arroyo Willow

Native



© 2001 Julie Kierstead Nelson  
jknelson@fs.fed.us

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0102+0268](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0102+0268)

Lifeform

Tree, Shrub

Blooming Season

February-April

Habitat

Streambanks, streambeds

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: twigs yellowish to brownish; Lvs: tomentose to velvety; young leaves hairy; mature leaves slightly rolled under, shiny above, glaucous below; Infl: flower bract dark brown, tip broadly rounded; Staminate Flr: stamens 2

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Salicaceae

## *Salix lucida ssp. lasiandra*

Shining Willow

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6259+3022+3484+0004](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6259+3022+3484+0004)

Lifeform

Tree

Blooming Season

Not Available

Habitat

Riparian

**Characteristics:**

UC Davis Herbarium Specimen:

Shrub, tree, <10m; Stem: twigs brownish, glabrous or soft-shaggy-hairy; Lvs: stipules glandular-lobed; petiole with glands; mature blade 53-170mm, lanceolate, long-acuminate, finely serrate, shiny above, glaucous or not below; Infl: 20-90mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Sapindaceae

## *Acer negundo* v. *californicum*

Box Elder

Native



Joshua H. Viers  
jhviers@ucdavis.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=7335+3182+4414+0067](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=7335+3182+4414+0067)

Lifeform

Tree

Blooming Season

March-April

Habitat

Streamsides, bottomlands

**Characteristics:**

UC Davis Herbarium Specimen:

Tree: 6-20m; Stem: twigs hairy, greenish; Lf: pinnately compound, leaflets 3-5, central largest, 3-5 lobed, toothed; Infl: appearing before lvs, drooping

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Sapindaceae

## *Aesculus californica*

California Buckeye

Native



Gladys Lucille Smith © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=1335+3153+0669+0061](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=1335+3153+0669+0061)

Lifeform

Tree

Blooming Season

May-June

Habitat

Foothill Woodlands

**Characteristics:**

UC Davis Herbarium Specimen:

Shrub or Tree: 4-12m; Leaflets: 5-7; Infl: 1-2dm,  
panicle-like, erect, finely hairy; Flr: calyx 2-lobed,  
petals white to pale rose, 5-7 stamens, exserted,  
anthers orange

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Scrophulariaceae

## ***Bacopa rotundifolia***

Round-leaf Water-hyssop

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+0226+0029](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+0226+0029)

### Lifeform

Annual, Perennial, herb

### Blooming Season

Fall

### Habitat

Wet soil, floating

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: prostrate to ascending; Lf: 12-36mm, opposite, veins>6, palmate; Infl: pedicel 5-18mm, generally < leaf, stout; Flr: sepals 5; Fr: capsule

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Scrophulariaceae

## *Castilleja attenuata*

Valley Tassels

Native



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8076+3101+3986+0021](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8076+3101+3986+0021)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: spreading-hairy; Infl: 3-30cm; bracts 15-35mm, lobes 3, tips white or pale yellow; Flr: corolla 10-25mm, beak 4-5mm, lower lip 3-4mm, pouches whitish, purple-spotted; Fr: 7-11mm; Seed: <1mm, coat shallowly netted, loose-fitting

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Scrophulariaceae

## *Castilleja campestris*

Indian Paintbrush

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=6212+3041+0630+0038](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=6212+3041+0630+0038)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Vernal pools, moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Flr: corolla 15-25mm, pale yellow to orange, beak 5-6 mm, straight, lower lip 4-5 mm, pouches 6-10mm wide, stigma exserted; Fr: 5-7mm; Seed: 0.7mm, coat shallowly netted, tight-fitted

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Scrophulariaceae

## ***Castilleja lineariloba***

Paint Brush

**Native**



© 2003 Dianne Fristrom  
fristrom@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+1003+0116](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+1003+0116)

Lifeform

Annual Herb

Blooming Season

June-September

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: spreading-hairy and glandular; Lf: lobes 0-7;  
Infl: 20-50cm; bract lobes 5-7, linear, tipped white,  
yellowish, or pale purple; Flr: corolla 15-30mm,  
whitish, yellowish, or rose, beak 4-5mm, lower lip  
3-4mm, pouches purple-dotted at base

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Scrophulariaceae

## *Cordylanthus pilosus*

Bird's Beak

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=5208+1611+0574+0002](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=5208+1611+0574+0002)

Lifeform

Annual Herb

Blooming Season

July-September

Habitat

Dry open hillsides

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: gray-green, tinged purple, densely puberulent; Infl: flrs solitary, 1-3 in loose clusters; outer bracts 1-4, entire or 3-lobed; Flr: corolla whitish, yellow-green-tipped; stamens 4, anther sacs 2; Seed: finely wavy-striate, dark brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Scrophulariaceae

## *Cordylanthus tenuis*

Bird's Beak

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0805+0518](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0805+0518)

### Lifeform

Annual Herb

### Blooming Season

not available

### Habitat

Open woodland or forest,  
serpentine outcrops

### **Characteristics:**

UC Davis Herbarium Specimen:

Pl: 20-120cm green or tinged maroon, glabrous to glandular-sticky; St: ±wiry; Lf: 10-60mm ±linear; Infl: flrs solitary, 1-7 in loose clusters; Flr: calyx 10-20mm, whitish ±yellow-tipped, blotched maroon, 4 stamens, 2 anther sacs; Seeds 6-16, dark brown

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Scrophulariaceae

## ***Gratiola ebracteata***

Hedge Hyssop

**Native**



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0404+0177](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0404+0177)

Lifeform

Annual Herb

Blooming Season

April-August

Habitat

Muddy places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: long-tapered, slightly clasping at base, dentate toward tip; Infl: stout, erect; bractlets 0; Flr: sepals equal, free, long-tapered; corolla throat yellow, limb white, upper lobes 1/2 fused

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Scrophulariaceae

## *Gratiola neglecta*

Hedge Hyssop

Native



Dan Tenaglia - missouriplants.com  
moflora@hotmail.com

[http://www.missouriplants.com/Whiteopp/Gratiola\\_neglecta\\_page.html](http://www.missouriplants.com/Whiteopp/Gratiola_neglecta_page.html)

### Lifeform

Annual Herb

### Blooming Season

May-August

### Habitat

Wet or muddy places

### **Characteristics:**

UC Davis Herbarium Specimen:

Lvs: lanceolate to obovate, round-clasping at base;  
Infl: slender, spreading; Flr: sepals equal, free, long-tapered; corolla tube white or yellowish, limb small, purple, lobes of upper lip entire

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# *Plants of the Cosumnes River Preserve*

Scrophulariaceae

## *Kickxia elatine*

Sharppoint Fluvellin

*Introduced*



© 2001 Julie Kierstead Nelson  
jknelson@fs.fed.us

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0102+0294](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0102+0294)

Lifeform

Perennial Herb

Blooming Season

June-September

Habitat

Old fields

**Characteristics:**

Plant: hairy; Infl: flowers solitary in axils; Flr: corolla yellowish or bluish, upper lip violet

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Scrophulariaceae

## *Limosella acaulis*

Mudwort

Native



© 2003 Steve Matson  
ssmat@sbcglobal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=0000+0000+0603+0665](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=0000+0000+0603+0665)

Lifeform

Annual Herb

Blooming Season

May-October

Habitat

Muddy shores

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: cespitose, mat-forming; Flr: corolla 2-3mm, white to lavender, lobes rounded; stamens attached at 1 level; style erect to slightly curved

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Scrophulariaceae

## *Lindernia dubia var. anagallidea*

False Pimpernell

Native



© 2006 Dean Wm. Taylor, Ph.D  
dwtaylor@cruzers.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0806+1134](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0806+1134)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Wet areas

**Characteristics:**

Lf: blade lanceolate to ovate; Flr: corolla 7-10mm,  
white to bluish or lavender

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Scrophulariaceae

## *Parentucellia viscosa*

Yellow Glandweed

CalIPC Impact(2006) : Limited *Introduced*



© 2006 George W. Hartwell  
chaparral95640@hotmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0506+2983](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0506+2983)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

Lf: lanceolate, serrate; Flr: corolla deciduous,  
yellow, with 2 ridges near lower throat; Fr: hairy

UC Davis Herbarium Specimen:

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Scrophulariaceae

## *Triphysaria eriantha*

Butter and Eggs

Native



Gladys Lucille Smith © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=8253+3202+4146+0035](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=8253+3202+4146+0035)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 10-35cm, purplish; Lf: 10-50mm, 3-7 lobed;  
Infl: 2-15cm, dense above; Flr: corolla 10-25mm,  
sulphur-yellow or white (beak dark purple), tube  
slender, more or less 2X calyx, lower lip more or  
less equal to beak, pouches 3-4mm deep

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Scrophulariaceae

## *Triphysaria pusilla*

Owl's Clover

Native

---



© 1995 Dean Wm. Taylor, Ph.D  
dwtaylor@cruzers.com

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0901+0252](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0901+0252)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grassland

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 5-20cm, yellow-brown or purplish; Stem: decumbent-branched from base; Lf: 5-30mm, 3-9 lobed; Infl: 4-15cm, more or less from stem base; Flr: corolla 4-7mm, generally purplish (yellow), beak hooked, pouches more or less 1mm deep

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Scrophulariaceae

## *Triphysaria versicolor*

Yellow Owl's Clover

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=6212+3041+0634+0084](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=6212+3041+0634+0084)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 10-60cm, green to yellow-brown, more or less glabrous; Lf: 20-80mm, 5-9 lobed; Infl: 5-20cm, dense above; Flr: corolla 12-22mm, white or yellow, tube >> calyx, beak yellowish, pouches 2-4mm deep, margins purple-dotted

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# ***Plants of the Cosumnes River Preserve***

Scrophulariaceae

## ***Verbascum blattaria***

Moth Mullein

*Introduced*



Nicholas J. Jensen  
nickjensen1@yahoo.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0175+3301+2364+0085](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0175+3301+2364+0085)

Lifeform

Perennial Herb

Blooming Season

May-September

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: glabrous below; Stem:30-120cm; Lvs: basal 4-25cm, oblanceolate, crenate, glabrous, short-petioled; Infl: raceme, terminal, glandular distally; flowers 1/ node; Flr: corolla 25-30mm wide, yellow or white (purple); filaments all densely purple-hairy

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Scrophulariaceae

## *Verbascum thapsus*

Woolly Mullein

CalIPC Impact(2006) : Limited *Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0602+0009](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0602+0009)

Lifeform

Biennial Herb

Blooming Season

June-September

Habitat

Disturbed areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: densely stellate hairy; Stem: 30-200cm, gen. simple; Lvs: basal 8-50cm, oblanceolate, gen. entire, short-petioled; cauline 5-30cm, lanceolate, long-decurrent; Infl: raceme, dense; bracts 12-18mm, pedicels <2mm, gen. fused to stem; Flr: corolla yellow

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Scrophulariaceae

## *Veronica catenata*

Chain Speedwell

*Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6249+3022+3911+0066](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6249+3022+3911+0066)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Wet meadows, slow streams

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: rhizomed, glabrous; Lf: opposite, lanceolate, clasping; Infl: axillary flrs 15-25; bracts linear-lanceolate, pedicels 3-7mm; Flr: sepals  $\pm$ 3mm, corolla 4-5mm pale pink; style <2mm; fr: 3-4mm, notch <0.3mm, sterile hybrids with *V. anagallis-aquatica*

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Scrophulariaceae

## *Veronica peregrina ssp. xalapensis*

Purshane Speedwell

*Introduced*



© 2004 Carol W. Witham  
cwitham@ncal.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0000+0000+0404+0730](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0000+0000+0404+0730)

Lifeform

Annual Herb

Blooming Season

April-August

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: generally glandular-hairy; Stem: erect; Lf: 5-25mm, linear to spoon-shaped, entire to more or less serrate; Infl: terminal, open; bracts lanceolate > pedicels, pedicels 0.5-2mm; Flr: sepals 3-6mm, lanceolate; corolla 2-3mm, whitish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Scrophulariaceae

## *Veronica persica*

Corn Speedwell

Native



© 2001 CDFA

FHrusa@cdfa.ca.gov

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=0175+3301+2364+0092](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=0175+3301+2364+0092)

Lifeform

Annual Herb

Blooming Season

February-May

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: hairy; Stem: prostrate, simple or branched, 5-50cm; Lvs: opposite, 5-25mm, ovate, truncate; Infl: terminal, open; Flr: corolla 8-12mm, blue, purple-lined, center white

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Simaroubaceae

## *Ailanthus altissima*

Tree of Heaven

CalIPC Impact(2006) : Moderate *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5315+2021+1568+0056](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5315+2021+1568+0056)

Lifeform

Tree

Blooming Season

Late Spring

Habitat

Riparian areas

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: rapidly growing; Lf: leaflets 13-25, 8-13cm, lanceolate, with 2-4 teeth, each with a large gland on lower surface; Infl: 10-20cm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Solanaceae

## *Datura stramonium*

Jimson Weed

*Introduced*



Rachel A. Hutchinson  
rahutchinson@gmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0175+3301+2283+0068](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0175+3301+2283+0068)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: glabrous; Lf: coarsely toothed to shallowly lobed; Flr: erect, corolla white or pale blue-purple; Fr: 4-valved, erect, with prickles; Seeds: black

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Solanaceae

## ***Nicotiana acuminata***

Many Flower Tobacco

*Introduced*



© 2005 George W. Hartwell  
chaparral95640@hotmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+1205+0066](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+1205+0066)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: densely glandular; Lvs: basal ovate; Infl: bracts linear; Flr: calyx dark-striped; corolla salverform, greenish white, tube 30-40mm; stamens unequal, filaments attached near middle of tube

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# ***Plants of the Cosumnes River Preserve***

Solanaceae

## ***Physalis philadelphica***

Tomatillo

*Introduced*



© 2006 Adonis (Don) Tate  
osomocoso@yahoo.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0806+0424](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0806+0424)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Waste places, cultivated fields

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: generally 4-8cm; Flr: calyx 4.5-6mm, green with 10 purple veins; corolla 8-15mm wide, rotate, yellow with 5 dark purple spots inside, tube hairy inside; anthers twisted after opening, yellow and blue-green

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Solanaceae

## *Solanum aff. americanum*

Nightshade

Native



Beatrice F. Howitt © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8253+3202+0179+0120](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8253+3202+0179+0120)

Lifeform

Annual Herb

Blooming Season

April-November

Habitat

Open, often disturbed places

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: 2-15cm, ovate, entire to coarsely wavy-toothed;  
Infl: umbel- or raceme-like; Flr: calyx 1-2mm, lobes  
in fruit recurved; corolla 3-6mm wide, deeply lobed,  
white; anthers 1.4-2.2mm; style 2.5-4mm; Fr: 5-  
8mm diam, greenish or black

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Solanaceae

## ***Solanum nigrum***

Black Nightshade

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6249+3022+3538+0094](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6249+3022+3538+0094)

Lifeform

Annual Herb

Blooming Season

March-October

Habitat

Waste places, fields

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 3-8dm; Lf: 4-7cm, ovate, entire to coarsely wavy-toothed; Infl: raceme-like; Flr: calyx 2-3mm; corolla 10mm wide, deeply lobed, white; anthers 2mm; style 3-5mm; Fr: 6-8mm diam, black

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Themidaceae(Liliaceae)

## ***Brodiaea appendiculata***

Appendage Clusterlily

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+0247+0015](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+0247+0015)

Lifeform

Perennial Herb

Blooming Season

not available

Habitat

Uncommon, Grassland,  
gravely clay soil

**Characteristics:**

UC Davis Herbarium Specimen:

Corm coat coarsely fibrous; Inf;: axis 10-45cm, stout, pedicels -10cm; Flr: perianth violet-purple, tube 8-12mm, cylindric, staminodes erect 8-15mm, linear gen. white, margins inrolled 1/2, savy, anthers 3-6mm, tips of pollen chambers hooked; style 9-12mm

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Themidaceae(Liliaceae)

## *Brodiaea coronaria*

Harvest Brodiaea

Native



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8076+3101+3973+0135](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8076+3101+3973+0135)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Grassland, volcanic mesas

**Characteristics:**

UC Davis Herbarium Specimen:

Infl: axis 4-25cm; pedicels 1-5cm; Flr: perianth blue-violet, blue-purple, pink-purple or rose, tube bell shaped (opaque, not splitting in fruit), staminodes held close to stamens, white or pink

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Themidaceae(Liliaceae)

## *Brodiaea elegans*

Elegant Brodiaea

Native



Dr. G Dallas and Margaret Hanna © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=&enlarge=8253+3202+4144+0143](http://elib.cs.berkeley.edu/cgi/img_query?query_src=&enlarge=8253+3202+4144+0143)

Lifeform

Perennial Herb

Blooming Season

April-July

Habitat

Open wooded, wet meadows

**Characteristics:**

UC Davis Herbarium Specimen:

Lvs: basal, linear, glabrous; Infl: axis 10-50cm, stout; umbel-like; Flr: perianth blue-purple to violet, lobes ascending, tips recurved, staminodes 6-9mm, erect, flat, acute or 3-lobed, white to pale lilac, away from stamens, anthers 4-10mm

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Themidaceae(Liliaceae)

## *Brodiaea minor*

Dwarf Brodiaea

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=5208+1611+0247+0084](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=5208+1611+0247+0084)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Valley grassland, foothill  
woodland

**Characteristics:**

UC Davis Herbarium Specimen:

Infl: axis 2-10cm; pedicels 1-3cm; Flr: perianth pale bluish to lilac, tube 6-10mm, urn-shaped; staminodes erect, close to stamens, white, margin inrolled 1/2 at midlength, tip notched, tips of pollen chambers hooked

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Themidaceae(Liliaceae)

## *Triteleia hyacinthina*

White Hyacinth

Native



Gladys Lucille Smith © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=8253+3202+4146+0085](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=8253+3202+4146+0085)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: 10-40cm, 4-22mm wide; Infl: 30-60cm, pedicels 5-50mm; Flr: perianth white, sometimes flushed purple outside, tube 2-4mm, shallowly bowl-shaped, filaments 2-4, anthers 1-2mm, whitish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# *Plants of the Cosumnes River Preserve*

Themidaceae(Liliaceae)

## *Triteleia laxa*

Ithuriel's Spear

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=5208+1611+0247+0068](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=5208+1611+0247+0068)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Lf: 20-40cm, 4-25mm wide; Infl: 10-70cm, smooth or scabrous; Flr: perianth blue, blue-purple, or white, tube 12-25mm, lobes 8-20mm; filaments attached at 2 levels, anthers 2-5mm, generally white to bluish; ovary stalk 2-3 times ovary size

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Typhaceae

## *Typha angustifolia*

Narrow-leaved Cattail

Native



Information Center for the Environment  
ICE

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0105+1007](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0105+1007)

Lifeform

Perennial Herb

Blooming Season

June

Habitat

Freshwater marshes

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 15-30dm; Lf: sheath top lobed, lobes ear-like, veiny, 0 with age, no glands, blade 4-12mm wide when fresh; Infl: generally < leaves, naked axis between staminate and pistillate flrs, spike 6-20cm, 15-20mm wide in fruit, brown, pollen in groups of 1

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Typhaceae

## *Typha latifolia*

Broad-leaf Cattail

Native



© Barry A. Rice/The Nature Conservancy  
bamrice@ucdavis.edu

<http://tncweeds.ucdavis.edu/photos/typla02.jpg>

Lifeform

Perennial Herb

Blooming Season

June-July

Habitat

Freshwater marshes

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 15-30dm; Lf: sheath tapered to blade or shouldered, no glands; blade 10-29mm wide when fresh; Infl:  $\pm$ equal to leaves; spike 5-25cm, 28-36 mm wide in fruit, green when fresh, brown in fruit, no bractlets; pollen grains in groups of 4

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# ***Plants of the Cosumnes River Preserve***

Ulmaceae

## ***Ulmus minor***

Smooth leaved Elm, English Elm

*Introduced*



© 2005 Luigi Rignanese  
rgnlgu@tiscali.it.

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0505+0953](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0505+0953)

Lifeform

Tree

Blooming Season

Not Available

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Tree: <10m; Lvs: blade 4-8cm, margin sometimes doubly serrate, upper surface glabrous to ±scabrous, lower ±glabrous to short-soft hairy flowers before leaves in spring; Fr: 10-20mm, wing translucent, whitish

<http://ucjeps.berkeley.edu/interchange.htm>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Urticaceae

## *Urtica dioica ssp. holosericea*

Hoary Nettle

Native



Charles Webber © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=8076+3101+3973+0133](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=8076+3101+3973+0133)

### Lifeform

Perennial Herb

### Blooming Season

June-September

### Habitat

Low dwamp places

### **Characteristics:**

UC Davis Herbarium Specimen:

Stem: 10-30dm, grey-green non-stinging hairs; Lf: blade >40mm; Infl: spike, spike, raceme or panicle like 1-7cm, gen. > petiole, with only staminate or pistillate flrs; fr: ovate

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Urticaceae

## *Urtica urens*

Dwarf Nettle

*Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=6249+3022+3910+0078](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=6249+3022+3910+0078)

Lifeform

Annual Herb

Blooming Season

January-April

Habitat

Gardens, orchard weed

**Characteristics:**

UC Davis Herbarium Specimen:

Plant: 1-6dm, nonstinging hairs 0 to moderate; Lf: blade generally <40mm, elliptic to more or less ovate, base tapered to rounded; Infl: generally more or less head-like, 5-25mm, often < petiole, with staminate and pistillate flowers

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Verbernaceae

## *Phyla nodiflora*

Mat Grass

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6121+1611+3984+0010](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6121+1611+3984+0010)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Moist places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: internodes generally <4cm; Lf: blade 5-30mm; margin serrate from above middle; teeth 5-11; Infl: 6-10mm; Flr: corolla white to reddish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Verbernaceae

## *Phyla nodiflora* v. *nodiflora*

Mat Grass

Native



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6121+1611+3984+0008](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6121+1611+3984+0008)

### Lifeform

Perennial Herb

### Blooming Season

May-November

### Habitat

Moist places

### **Characteristics:**

UC Davis Herbarium Specimen:

Lf: generally 2-4 times longer than wide; blade elliptic to oblanceolate, margin serrate from above middle; teeth 5-11; Flr: corolla white to reddish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*



# Plants of the Cosumnes River Preserve

Verbernaeae

## *Verbena bonariensis*

Blue Vervain

CalIPC Impact(2006) : Eval No List *Introduced*



© Br. Alfred Brousseau, Saint Mary's College  
rpolowin@stmarys-ca.edu

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=6249+3022+3911+0055](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=6249+3022+3911+0055)

### Lifeform

Annual, Biennial herb

### Blooming Season

June-October

### Habitat

Waste places

### **Characteristics:**

UC Davis Herbarium Specimen:

Plant: 50-150+cm; Stem: 1-few, glabrous to sparsely rough-hairy; Lf: gen. clasping, 7-15cm, coarsely serrate, base cordate to truncate; Infl: spikes 8-17/cluster; Flr: calyx 3-3.5mm, corolla 5-6mm white or purplish

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Verbernaeae

## *Verbena hastata*

Verbena

Native



Dan Tenaglia - missouriplants.com  
moflora@hotmail.com

[http://www.missouriplants.com/Blueopp/Verbena\\_hastata\\_page.html](http://www.missouriplants.com/Blueopp/Verbena_hastata_page.html)

### Lifeform

Perennial Herb

### Blooming Season

June-September

### Habitat

Moist waste places

### **Characteristics:**

UC Davis Herbarium Specimen:

Stems: 1-2, erect, sparsely strigose; Lf: 9-15cm, lanceolate, serrate, rough-puberulent, base acute, petiole 1-2.5cm; Infl: spikes 1-8 per cluster, 3-15cm, dense; flower bract 2-3mm; Flr: calyx 2.5-3mm; corolla 2.5-5mm, blue to violet

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.

Permission to use these photos must be obtained from the copyright holder.

This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.

# Plants of the Cosumnes River Preserve

Violaceae

## *Viola pedunculata*

Johnny Jump Up

Native



© 1999 Gary A. Monroe  
g.monroe@att.net

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_index&enlarge=0000+0000+1202+0691](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_index&enlarge=0000+0000+1202+0691)

Lifeform

Perennial Herb

Blooming Season

Not Available

Habitat

Grasslands

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: generally decumbent to erect; Lvs: cauline, simple; blade 10-55mm, deltate-ovate to cordate, crenate to serrate; Flr: petals orange-yellow, lower 3 veined dark brown, lateral 2 bearded, upper 2 red-brown outside

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Viscaceae

## *Phoradendron macrophyllum*

Big Leaf Mistletoe

Native



Beatrice F. Howitt © California Academy of Sciences  
manzanita@calacademy.org

[http://elib.cs.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_flora\\_sci&enlarge=8253+3202+4147+0138](http://elib.cs.berkeley.edu/cgi/img_query?query_src=photos_flora_sci&enlarge=8253+3202+4147+0138)

Lifeform

Shrub

Blooming Season

Not Available

Habitat

Typically on Fraxinus and  
Populus

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: green, short-hairy, especially near tip; Lf: 30-42mm, 15-23mm wide; Fr: 4-5mm, white, pink-tinged or not, glabrous

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Viscaceae

## *Phoradendron villosum*

Oak Mistletoe

Native



Beatrice F. Howitt © California Academy of Sciences  
manzanita@calacademy.org

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8253+3202+0180+0131](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8253+3202+0180+0131)

### Lifeform

Shrub (parasitic)

### Blooming Season

July-September

### Habitat

Mostly on Quercus

**Characteristics:** [UC Davis Herbarium Specimen:](#)

Stem: grey-green, glabrous with age; Fr: 3-4mm, pinkish white, short-hairy near tip

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Vitaceae

## *Vitis californica*

California Wild Grape

Native



Ingrid B. Hogle  
ibhogle@mindspring.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=8120+3181+4954+0028](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=8120+3181+4954+0028)

Lifeform

Vine, Shrub

Blooming Season

May-June

Habitat

Streambanks

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: tomentose when young, becoming less so;  
Lf: blade lobes 0-3, shallow, margin crenate to slightly serrate, lower surface more or less tomentose; Flr: unisexual; Fr: >8mm wide, spheric, purple, glaucous; Seed: round, raised scar

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# *Plants of the Cosumnes River Preserve*

Zygophyllaceae

## *Tribulus terrestris*

Puncture Vine

*Introduced*



© 2001 Steven Thorsted  
steventhorsted@hotmail.com

[http://calphotos.berkeley.edu/cgi/img\\_query?query\\_src=photos\\_index&enlarge=0000+0000+0801+0392](http://calphotos.berkeley.edu/cgi/img_query?query_src=photos_index&enlarge=0000+0000+0801+0392)

Lifeform

Annual Herb

Blooming Season

Not Available

Habitat

Waste places

**Characteristics:**

UC Davis Herbarium Specimen:

Stem: silky or appressed-hairy, sharply bristly to glabrous; Lf: 1-pinnate, dissected, leaflets 6-12, stipules 1-5mm; Infl: in axils; Flr: petals yellow; Fr: hairy, gray or yellowish; spines 4-7mm, spreading

<http://ucjeps.berkeley.edu/interchange.html>

<http://www.calflora.org/>

---

*Photographs in this document are copyright protected. Copyrights are held by the individuals indicated.*

*Permission to use these photos must be obtained from the copyright holder.*

*This document is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 License.*

# Plants of the Cosumnes River Preserve

Index by Scientific Name

<i>Species Name</i>	<b>Page Number</b>
<i>Abutilon theophrasti</i>	275
<i>Acer negundo v. californicum</i>	428
<i>Achillea millefolium</i>	33
<i>Achyrochaena mollis</i>	34
<i>Aegilops triuncialis</i>	315
<i>Aesculus californica</i>	429
<i>Agrostis avenacea</i>	316
<i>Agrostis exarata</i>	317
<i>Agrostis gigantea</i>	318
<i>Ailanthus altissima</i>	450
<i>Aira caryophyllea</i>	319
<i>Alisma plantago-aquatica</i>	2
<i>Alnus rhombifolia</i>	97
<i>Alopecurus carolinianus</i>	320
<i>Alopecurus saccatus</i>	321
<i>Amaranthus albus</i>	7
<i>Amaranthus blitoides</i>	8
<i>Amaranthus palmeri</i>	9
<i>Amaranthus retroflexus</i>	10
<i>Ambrosia psilostachya</i>	35
<i>Ammannia coccinea</i>	270
<i>Ammannia robusta</i>	271
<i>Amsinckia menziesii v. intermedia</i>	98
<i>Anagallis arvensis</i>	406
<i>Anthemis cotula</i>	36
<i>Anthriscus caucalis</i>	16
<i>Apocynum cannabinum</i>	29
<i>Aristida oligantha</i>	322
<i>Artemisia douglasiana</i>	37
<i>Asclepias fascicularis</i>	30
<i>Asclepias vestita</i>	31
<i>Asparagus officinalis ssp. officinalis</i>	262
<i>Aster aff. chilensis</i>	38



# Plants of the Cosumnes River Preserve

Species Name	Page Number
<i>Aster subulatus</i> v. <i>ligulatus</i>	39
<i>Atriplex</i> cf. <i>patula</i>	11
<i>Avena barbata</i>	323
<i>Avena fatua</i>	324
<i>Azolla filiculoides</i>	96
<i>Baccharis douglasii</i>	40
<i>Baccharis pilularis</i>	41
<i>Bacopa rotundifolia</i>	430
<i>Barbarea orthoceras</i>	108
<i>Barbarea verna</i>	109
<i>Barbarea vulgaris</i>	110
<i>Beckmannia syzigachne</i>	325
<i>Bidens frondosa</i>	42
<i>Blennosperma nanum</i>	43
<i>Bolboschoenus</i> ( <i>Scirpus</i> ) <i>fluviatilis</i>	155
<i>Brassica nigra</i>	111
<i>Brassica rapa</i>	112
<i>Briza maxima</i>	326
<i>Briza minor</i>	327
<i>Brodiaea appendiculata</i>	456
<i>Brodiaea coronaria</i>	457
<i>Brodiaea elegans</i>	458
<i>Brodiaea minor</i>	459
<i>Bromus alopecuroides</i>	328
<i>Bromus carinatus</i>	329
<i>Bromus catharticus</i>	330
<i>Bromus diandrus</i>	331
<i>Bromus hordeaceus</i>	332
<i>Bromus tectorum</i>	333
<i>Calandrinia ciliata</i>	400
<i>Callitriche heterophylla</i>	133
<i>Callitriche marginata</i>	134
<i>Calochortus luteus</i>	263
<i>Calycadenia multiglandulosa</i>	44

# **Plants of the Cosumnes River Preserve**

<i>Species Name</i>	<b>Page Number</b>
<i>Capsella bursa-pastoris</i>	113
<i>Cardamine oligosperma</i>	114
<i>Cardamine pensylvanica</i>	115
<i>Cardaria chalepensis</i>	116
<i>Cardaria draba</i>	117
<i>Cardaria pubescens</i>	118
<i>Carduus pycnocephalus</i>	45
<i>Carex athrostachya</i>	156
<i>Carex barbarae</i>	157
<i>Carex fracta</i>	158
<i>Carex neurophora</i>	159
<i>Carex ovalis</i>	160
<i>Carex pachystachya</i>	161
<i>Carex praegracilis</i>	162
<i>Carex tumulicola</i>	163
<i>Castilleja attenuata</i>	431
<i>Castilleja campestris</i>	432
<i>Castilleja lineariloba</i>	433
<i>Centaurea solstitialis</i>	46
<i>Centaurium muehlenbergii</i>	223
<i>Centaurium trichanthum</i>	224
<i>Centunculus minimus</i>	404
<i>Cephalanthus occidentalis v. californicus</i>	419
<i>Cerastium glomeratum</i>	139
<i>Chamaesyce ocellata</i>	180
<i>Chamaesyce serpyllifolia</i>	181
<i>Chamomilla suaveolens</i>	47
<i>Chenopodium album</i>	12
<i>Chenopodium ambrosioides</i>	13
<i>Chenopodium botrys</i>	14
<i>Chlorogalum angustifolium</i>	264
<i>Chlorogalum pomeridianum</i>	265
<i>Cicendia quadrangularis</i>	225
<i>Cichorium intybus</i>	48

# **Plants of the Cosumnes River Preserve**

<i>Species Name</i>	<b>Page Number</b>
<i>Cirsium arvense</i>	49
<i>Cirsium vulgare</i>	50
<i>Claytonia perfoliata</i>	401
<i>Conium maculatum</i>	17
<i>Convolvulus arvensis</i>	147
<i>Conyza bonariensis</i>	51
<i>Conyza canadensis</i>	52
<i>Cordylanthus pilosus</i>	434
<i>Cordylanthus tenuis</i>	435
<i>Cornus glabrata</i>	150
<i>Cornus sericea</i>	151
<i>Cotula coronopifolia</i>	53
<i>Crassula aquatica</i>	152
<i>Crassula connata</i>	153
<i>Crassula tillaea</i>	154
<i>Crypsis schoenoides</i>	334
<i>Crypsis vaginiflora</i>	335
<i>Cuscuta howelliana</i>	148
<i>Cuscuta pentagona</i>	149
<i>Cynodon dactylon</i>	336
<i>Cynosurus echinatus</i>	337
<i>Cyperus difformis</i>	164
<i>Cyperus eragrostis</i>	165
<i>Cyperus erythrorhizos</i>	166
<i>Cyperus esculentus</i>	167
<i>Cyperus involucratus</i>	168
<i>Cyperus rotundus</i>	169
<i>Cyperus squarrosus</i>	170
<i>Damasonium californicum</i>	3
<i>Datura stramonium</i>	451
<i>Daucus carota</i>	18
<i>Deschampsia danthonioides</i>	338
<i>Descurainia sophia</i>	119
<i>Dichelostemma capitatum</i>	266

# Plants of the Cosumnes River Preserve

<i>Species Name</i>	<i>Page Number</i>
<i>Digitaria sanguinalis</i>	339
<i>Dipsacus fullonum</i>	178
<i>Distichlis spicata</i>	340
<i>Downingia bicornuta</i>	135
<i>Downingia ornatissima</i>	136
<i>Downingia pusilla</i>	137
<i>Echinochloa crus-galli</i>	341
<i>Echinodorus berteroi</i>	4
<i>Eichhornia crassipes</i>	399
<i>Elatine californica</i>	179
<i>Eleocharis acicularis</i>	171
<i>Eleocharis acicularis v. bella</i>	172
<i>Eleocharis macrostachya</i>	173
<i>Eleocharis montevidensis</i>	174
<i>Elymus glaucus</i>	342
<i>Epilobium angustifolium ssp. circumvagum</i>	288
<i>Epilobium brachycarpum</i>	289
<i>Epilobium ciliatum</i>	290
<i>Epilobium ciliatum ssp. ciliatum</i>	291
<i>Epilobium cleistogamum</i>	292
<i>Epilobium densiflorum</i>	293
<i>Epilobium pygmaeum</i>	294
<i>Epilobium torreyi</i>	295
<i>Eragrostis pectinacea var. pectinacea</i>	343
<i>Eremocarpus setigerus</i>	182
<i>Erodium botrys</i>	226
<i>Erodium brachycarpum</i>	227
<i>Erodium cicutarium</i>	228
<i>Erodium moschatum</i>	229
<i>Eryngium aristulatum</i>	19
<i>Eryngium articulatum</i>	20
<i>Eryngium vaseyi</i>	21
<i>Eschscholzia californica</i>	304
<i>Eschscholzia lobbia</i>	305

# Plants of the Cosumnes River Preserve

<i>Species Name</i>	<i>Page Number</i>
<i>Euthamia occidentalis</i>	54
<i>Ficus carica</i>	285
<i>Filago gallica</i>	55
<i>Foeniculum vulgare</i>	22
<i>Fraxinus latifolia</i>	287
<i>Galium aparine</i>	420
<i>Galium parisiense</i>	421
<i>Gastridium ventricosum</i>	344
<i>Geranium carolinianum</i>	230
<i>Geranium dissectum</i>	231
<i>Gleditsia triacanthos</i>	184
<i>Glinus lotoides</i>	283
<i>Glyceria borealis</i>	345
<i>Glyceria declinata</i>	346
<i>Glycyrrhiza lepidota</i>	185
<i>Gnaphalium luteo-album</i>	56
<i>Gnaphalium palustre</i>	57
<i>Gratiola ebracteata</i>	436
<i>Gratiola neglecta</i>	437
<i>Grindelia camporum</i>	58
<i>Helenium puberulum</i>	59
<i>Helianthus annuus</i>	60
<i>Helianthus bolanderi</i>	61
<i>Heliotropium curassavicum</i>	99
<i>Hemizonia congesta</i>	62
<i>Hemizonia congesta ssp. luzulifolia</i>	63
<i>Hemizonia fitchii</i>	64
<i>Hemizonia pungens ssp. laevis</i>	65
<i>Hemizonia pungens ssp. pungens</i>	66
<i>Hesperevax caulescens</i>	67
<i>Hetertheca grandiflora</i>	68
<i>Hibiscus lasiocarpus</i>	276
<i>Hirschfeldia incana</i>	120
<i>Hoita macrostachya</i>	186

# Plants of the Cosumnes River Preserve

<i>Species Name</i>	<b>Page Number</b>
<i>Holocarpha virgata</i>	69
<i>Hordeum brachyantherum</i>	347
<i>Hordeum depressum</i>	348
<i>Hordeum marinum ssp. gussoneanum</i>	349
<i>Hordeum murinum ssp. leporinum</i>	350
<i>Hypericum concinnum</i>	233
<i>Hypericum mutilum</i>	234
<i>Hypericum perforatum</i>	235
<i>Hypochaeris glabra</i>	70
<i>Hypochaeris radicata</i>	71
<i>Isoetes howellii</i>	237
<i>Isoetes nuttallii</i>	238
<i>Isoetes orcuttii</i>	239
<i>Juncus acuminatus</i>	240
<i>Juncus balticus</i>	241
<i>Juncus bufonius</i>	242
<i>Juncus capitatus</i>	243
<i>Juncus effusus</i>	244
<i>Juncus mexicanus</i>	245
<i>Juncus oxymeris</i>	246
<i>Juncus uncialis</i>	247
<i>Juncus xiphioides</i>	248
<i>Kickxia elatine</i>	438
<i>Lactuca saligna</i>	72
<i>Lactuca serriola</i>	73
<i>Lamium amplexicaule</i>	250
<i>Lasthenia californica</i>	74
<i>Lasthenia fremontii</i>	75
<i>Lasthenia glaberrima</i>	76
<i>Lasthenia glabrata</i>	77
<i>Lathyrus jepsonii v. californicus</i>	187
<i>Layia fremontii</i>	78
<i>Leersia oryzoides</i>	351
<i>Legenere limosa</i>	138

# Plants of the Cosumnes River Preserve

<i>Species Name</i>	<i>Page Number</i>
<i>Lemna minor</i>	32
<i>Leontodon taraxacoides</i>	79
<i>Lepidium densiflorum</i>	121
<i>Lepidium lasiocarpum</i>	122
<i>Lepidium latifolium</i>	123
<i>Lepidium nitidum</i>	124
<i>Lepidium strictum</i>	125
<i>Leptochloa fascicularis</i>	352
<i>Leymus triticoides</i>	353
<i>Lilaea scilloides</i>	249
<i>Limnanthes alba</i>	267
<i>Limnanthes douglasii</i>	268
<i>Limosella acaulis</i>	439
<i>Lindernia dubia var. anagallidea</i>	440
<i>Lipocarpa micrantha</i>	175
<i>Lolium multiflorum</i>	354
<i>Lolium perenne</i>	355
<i>Lomatium caruifolium</i>	23
<i>Lotus corniculatus</i>	188
<i>Lotus purshianus v. purshianus</i>	189
<i>Lotus wrangelianus</i>	190
<i>Ludwigia hexapetala</i>	296
<i>Ludwigia peploides</i>	297
<i>Ludwigia peploides ssp. peploides</i>	298
<i>Lupinus benthamii</i>	191
<i>Lupinus bicolor</i>	192
<i>Lupinus microcarpus var. densiflorus</i>	193
<i>Lycopus americanus</i>	251
<i>Lythrum californicum</i>	272
<i>Lythrum hyssopifolium</i>	273
<i>Lythrum tribracteatum</i>	274
<i>Maclura pomifera</i>	286
<i>Malva nicaeensis</i>	277
<i>Malva parviflora</i>	278

# **Plants of the Cosumnes River Preserve**

<i>Species Name</i>	<b>Page Number</b>
<i>Malvella leprosa</i>	279
<i>Marrubium vulgare</i>	252
<i>Marsilea vestita ssp. vestita</i>	281
<i>Medicago polymorpha</i>	194
<i>Melilotus albus</i>	195
<i>Melilotus indicus</i>	196
<i>Melilotus officinalis</i>	197
<i>Mentha arvensis</i>	253
<i>Mentha pulegium</i>	254
<i>Mentzelia laevicaulis</i>	269
<i>Microseris acuminata</i>	80
<i>Microseris douglasii</i>	81
<i>Mimulus guttatus</i>	306
<i>Mimulus pilosus</i>	307
<i>Mimulus tricolor</i>	308
<i>Mollugo verticillata</i>	284
<i>Montia fontana</i>	402
<i>Myosurus minimus</i>	407
<i>Myriophyllum aquaticum</i>	232
<i>Nassella pulchra</i>	356
<i>Navarretia intertexta</i>	380
<i>Navarretia leucocephala</i>	381
<i>Navarretia leucocephala ssp. leucocephala</i>	382
<i>Navarretia pubescens</i>	383
<i>Navarretia squarrosa</i>	384
<i>Navarretia tagetina</i>	385
<i>Nicotiana acuminata</i>	452
<i>Oenanthe sarmentosa</i>	24
<i>Oenothera villosa ssp. strigosa</i>	299
<i>Orobanche californica</i>	300
<i>Oxalis albicans ssp. pilosa</i>	301
<i>Oxalis corniculata</i>	302
<i>Oxalis laxa</i>	303
<i>Panicum acuminatum</i>	357



# **Plants of the Cosumnes River Preserve**

<i>Species Name</i>	<b>Page Number</b>
<i>Panicum dichotomiflorum</i>	358
<i>Parentucellia viscosa</i>	441
<i>Paspalum dilatatum</i>	359
<i>Paspalum distichum</i>	360
<i>Petrorhagia prolifera</i>	140
<i>Phalaris aquatica</i>	361
<i>Phalaris lemmonii</i>	362
<i>Phalaris minor</i>	363
<i>Phalaris paradoxa</i>	364
<i>Phleum pratense</i>	365
<i>Phoradendron macrophyllum</i>	472
<i>Phoradendron villosum</i>	473
<i>Phyla nodiflora</i>	467
<i>Phyla nodiflora v. nodiflora</i>	468
<i>Physalis philadelphica</i>	453
<i>Phytolaca americana</i>	309
<i>Picris echioides</i>	82
<i>Pilularia americana</i>	282
<i>Plagiobothrys acanthocarpus</i>	100
<i>Plagiobothrys austiniae</i>	101
<i>Plagiobothrys bracteatus</i>	102
<i>Plagiobothrys fulvus</i>	103
<i>Plagiobothrys greenei</i>	104
<i>Plagiobothrys humistratus</i>	105
<i>Plagiobothrys stipitatus</i>	106
<i>Plagiobothrys stipitatus v. micranthus</i>	107
<i>Plantago coronopus</i>	310
<i>Plantago elongata</i>	311
<i>Plantago erecta</i>	312
<i>Plantago lanceolata</i>	313
<i>Plantago major</i>	314
<i>Pleuropogon californicus</i>	366
<i>Poa annua</i>	367
<i>Poa pratensis ssp. pratensis</i>	368

# Plants of the Cosumnes River Preserve

Species Name	Page Number
<i>Pogogyne douglasii</i>	255
<i>Pogogyne serpylloides</i>	256
<i>Pogogyne zizyphoroides</i>	257
<i>Polygonum amphibium</i>	386
<i>Polygonum amphibium v. emersum</i>	387
<i>Polygonum arenastrum</i>	388
<i>Polygonum hydropiper</i>	389
<i>Polygonum hydropiperoides</i>	390
<i>Polygonum lapathifolium</i>	391
<i>Polygonum persicaria</i>	392
<i>Polygonum punctatum</i>	393
<i>Polypogon interruptus</i>	369
<i>Polypogon maritimus</i>	370
<i>Polypogon monspeliensis</i>	371
<i>Populus fremontii ssp. fremontii</i>	422
<i>Portulaca oleracea</i>	403
<i>Psilocarphus brevissimus v. brevissimus</i>	83
<i>Psilocarphus brevissimus v. multiflorus</i>	84
<i>Psilocarphus oregonus</i>	85
<i>Psilocarphus tenellus</i>	86
<i>Psilocarphus tenellus v. tenellus</i>	87
<i>Pyrus calleryana</i>	414
<i>Pyrus communis</i>	415
<i>Quercus douglasii</i>	220
<i>Quercus lobata</i>	221
<i>Quercus wislizenii</i>	222
<i>Ranunculus alismifolius</i>	408
<i>Ranunculus bonariensis v. trisepalus</i>	409
<i>Ranunculus californicus</i>	410
<i>Ranunculus muricatus</i>	411
<i>Ranunculus pusillus</i>	412
<i>Ranunculus scleratus</i>	413
<i>Raphanus raphanistrum</i>	126
<i>Raphanus sativus</i>	127

# **Plants of the Cosumnes River Preserve**

<i>Species Name</i>	<b>Page Number</b>
<i>Robinia pseudoacacia</i>	198
<i>Rorippa curvisiliqua</i>	128
<i>Rorippa palustris v. occidentalis</i>	129
<i>Rosa californica</i>	416
<i>Rubus discolor</i>	417
<i>Rubus ursinus</i>	418
<i>Rumex acetosella</i>	394
<i>Rumex conglomeratus</i>	395
<i>Rumex crispus</i>	396
<i>Rumex pulcher</i>	397
<i>Rumex salicifolius</i>	398
<i>Sagina decumbens ssp. occidentalis</i>	141
<i>Sagittaria latifolia</i>	5
<i>Sagittaria sanfordii</i>	6
<i>Salix exigua</i>	423
<i>Salix gooddingii</i>	424
<i>Salix laevigata</i>	425
<i>Salix lasiolepis</i>	426
<i>Salix lucida ssp. lasiandra</i>	427
<i>Sambucus mexicana</i>	1
<i>Samolus parviflorus</i>	405
<i>Sanicula bipinnatifida</i>	25
<i>Sapium sebiferum</i>	183
<i>Scirpus aff. maritimus</i>	176
<i>Scirpus californicus</i>	177
<i>Scribneria bolanderi</i>	372
<i>Senecio vulgaris</i>	88
<i>Sesbania punicea</i>	199
<i>Setaria viridis</i>	373
<i>Sibara virginica</i>	130
<i>Sidalcea calycosa</i>	280
<i>Silene gallica</i>	142
<i>Silybum marianum</i>	89
<i>Sinapis arvensis</i>	131

# Plants of the Cosumnes River Preserve

<i>Species Name</i>	<i>Page Number</i>
<i>Sisymbrium officinale</i>	132
<i>Sisyrinchium bellum</i>	236
<i>Solanum aff. americanum</i>	454
<i>Solanum nigrum</i>	455
<i>Soliva sessilis</i>	90
<i>Sonchus asper ssp. asper</i>	91
<i>Sonchus oleraceus</i>	92
<i>Sorghum halepense</i>	374
<i>Spergularia bocconeii</i>	143
<i>Spergularia macrotheca var. leucantha</i>	144
<i>Spergularia rubra</i>	145
<i>Stachys ajugoides</i>	258
<i>Stachys ajugoides v. rigida</i>	259
<i>Stachys albens</i>	260
<i>Stellaria media</i>	146
<i>Taeniatherum caput-medusae</i>	375
<i>Taraxacum officinale</i>	93
<i>Torilis arvensis</i>	26
<i>Torilis nodosa</i>	27
<i>Toxicodendron diversilobum</i>	15
<i>Tribulus terrestris</i>	475
<i>Trichostema lanceolatum</i>	261
<i>Trifolium bifidum</i>	200
<i>Trifolium ciliolatum</i>	201
<i>Trifolium depauperatum v. amplexans</i>	202
<i>Trifolium dubium</i>	203
<i>Trifolium fragiferum</i>	204
<i>Trifolium gracilentum</i>	205
<i>Trifolium hirtum</i>	206
<i>Trifolium microcephalum</i>	207
<i>Trifolium microdon</i>	208
<i>Trifolium obtusiflorum</i>	209
<i>Trifolium pratense</i>	210
<i>Trifolium repens</i>	211

# **Plants of the Cosumnes River Preserve**

<i>Species Name</i>	<b>Page Number</b>
<i>Trifolium subterraneum</i>	212
<i>Trifolium variegatum</i>	213
<i>Trifolium willdenovii</i>	214
<i>Triphysaria eriantha</i>	442
<i>Triphysaria pusilla</i>	443
<i>Triphysaria versicolor</i>	444
<i>Triteleia hyacinthina</i>	460
<i>Triteleia laxa</i>	461
<i>Triticum aestivum</i>	376
<i>Typha angustifolia</i>	462
<i>Typha latifolia</i>	463
<i>Ulmus minor</i>	464
<i>Urtica dioica ssp. holosericea</i>	465
<i>Urtica urens</i>	466
<i>Verbascum blattaria</i>	445
<i>Verbascum thapsus</i>	446
<i>Verbena bonariensis</i>	469
<i>Verbena hastata</i>	470
<i>Veronica catenata</i>	447
<i>Veronica peregrina ssp. xalapensis</i>	448
<i>Veronica persica</i>	449
<i>Vicia americana v. americana</i>	215
<i>Vicia benghalensis</i>	216
<i>Vicia sativa ssp. nigra</i>	217
<i>Vicia sativa ssp. sativa</i>	218
<i>Vicia villosa</i>	219
<i>Viola pedunculata</i>	471
<i>Vitis californica</i>	474
<i>Vulpia bromoides</i>	377
<i>Vulpia microstachys</i>	378
<i>Vulpia myuros</i>	379
<i>Xanthium spinosum</i>	94
<i>Xanthium strumarium</i>	95
<i>Yabea microcarpa</i>	28

# **Plants of the Cosumnes River Preserve**

## Index by Common Name

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Adobe Popcorn Flower	<i>Plagiobothrys acanthocarpus</i>	100
Alkali Centaury	<i>Centaurium trichanthum</i>	224
Alkali Parsnip	<i>Lomatium caruifolium</i>	23
Alkali-mallow	<i>Malvella leprosa</i>	279
Alpine Nerve Sedge	<i>Carex neurophora</i>	159
American Dogwood	<i>Cornus sericea</i>	151
American Oenanthe	<i>Oenanthe sarmentosa</i>	24
American Pillwort	<i>Pilularia americana</i>	282
American Purple Vetch	<i>Vicia americana v. americana</i>	215
American Slough Grass	<i>Beckmannia syzigachne</i>	325
Ammannia	<i>Ammannia coccinea</i>	270
Annual Bluegrass	<i>Poa annua</i>	367
Annual Cat's Ear	<i>Hypochaeris radicata</i>	71
Annual Checkerbloom	<i>Sidalcea calycosa</i>	280
Annual Hairgrass	<i>Deschampsia danthonioides</i>	338
Annual Rabbitfoot Grass	<i>Polypogon monspeliensis</i>	371
Annual Saltmarsh Aster	<i>Aster subulatus v. ligulatus</i>	39
Appendage Clusterlily	<i>Brodiaea appendiculata</i>	456
Arroyo Willow	<i>Salix lasiolepis</i>	426
Austin's Popcorn Flower	<i>Plagiobothrys austiniae</i>	101
Ballon Clover	<i>Trifolium depauperatum v. amplectens</i>	202
Baltic Rush	<i>Juncus balticus</i>	241
Barb Goatgrass	<i>Aegilops triuncialis</i>	315
Barley	<i>Hordeum depressum</i>	348
Barnyard Grass	<i>Echinochloa crus-galli</i>	341
Bearded Flatsedge, Awned Cyperus	<i>Cyperus squarrosus</i>	170
Bedstraw	<i>Galium aparine</i>	420
Beethistle	<i>Eryngium articulatum</i>	20
Beggars Tick	<i>Bidens frondosa</i>	42
Bermuda Grass	<i>Cynodon dactylon</i>	336
Big Leaf Mistletoe	<i>Phoradendron macrophyllum</i>	472
Big Quakinggrass	<i>Briza maxima</i>	326
Bindweed	<i>Convolvulus arvensis</i>	147

# **Plants of the Cosumnes River Preserve**

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Bird's Beak	<i>Cordylanthus tenuis</i>	435
Bird's Beak	<i>Cordylanthus pilosus</i>	434
Bird's Foot Trefoil	<i>Lotus corniculatus</i>	188
Bittercress	<i>Cardamine pensylvanica</i>	115
Black Locust	<i>Robinia pseudoacacia</i>	198
Black Mustard	<i>Brassica nigra</i>	111
Black Nightshade	<i>Solanum nigrum</i>	455
Blazing Star	<i>Mentzelia laevicaulis</i>	269
Blow Wives	<i>Achyrachaena mollis</i>	34
Blue Dicks	<i>Dichelostemma capitatum</i>	266
Blue Elderberry	<i>Sambucus mexicana</i>	1
Blue Oak	<i>Quercus douglasii</i>	220
Blue Vervain	<i>Verbena bonariensis</i>	469
Blue Wildrye	<i>Elymus glaucus</i>	342
Blue-eyed Grass	<i>Sisyrinchium bellum</i>	236
Boccone's Sand Spurry	<i>Spergularia bocconeii</i>	143
Bog Rush	<i>Juncus effusus</i>	244
Boggs Lake Dodder	<i>Cuscuta howelliana</i>	148
Bolander's Sunflower	<i>Helianthus bolanderi</i>	61
Box Elder	<i>Acer negundo v. californicum</i>	428
Brass-buttons	<i>Cotula coronopifolia</i>	53
Bristly Foxtail	<i>Setaria viridis</i>	373
Bristly Ox-tongue	<i>Picris echioides</i>	82
Broad-lead Cattail	<i>Typha latifolia</i>	463
Broad-leaf Filaree	<i>Erodium botrys</i>	226
Brome	<i>Bromus alopecurosus</i>	328
Broomrape	<i>Orobanche californica</i>	300
Brown Dogwood	<i>Cornus glabrata</i>	150
Buckhorn Plantain	<i>Plantago coronopus</i>	310
Bugleweed	<i>Lycopus americanus</i>	251
Bull Mallow	<i>Malva nicaeensis</i>	277
Bull Thistle	<i>Cirsium vulgare</i>	50
Bur-chervil	<i>Anthriscus caucalis</i>	16
Burhead	<i>Echinodorus berteroi</i>	4

# **Plants of the Cosumnes River Preserve**

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Butter and Eggs	<i>Triphysaria eriantha</i>	442
Button Celery	<i>Eryngium aristulatum</i>	19
Buttonbush	<i>Cephalanthus occidentalis v. californicus</i>	419
California Aster	<i>Aster aff. chilensis</i>	38
California Blackberry	<i>Rubus ursinus</i>	418
California Brome	<i>Bromus carinatus</i>	329
California Buckeye	<i>Aesculus californica</i>	429
California Bullrush	<i>Scirpus californicus</i>	177
California Bur-clover	<i>Medicago polymorpha</i>	194
California Buttercup	<i>Ranunculus californicus</i>	410
California Damasonium	<i>Damasonium californicum</i>	3
California Hedge	<i>Yabea microcarpa</i>	28
California Loosestrife	<i>Lythrum californicum</i>	272
California Plantain	<i>Plantago erecta</i>	312
California Poppy	<i>Eschscholzia californica</i>	304
California Waterwort	<i>Elatine californica</i>	179
California Wild Grape	<i>Vitis californica</i>	474
Callery Pear	<i>Pyrus calleryana</i>	414
Canada Thistle	<i>Cirsium arvense</i>	49
Canary Grass	<i>Phalaris paradoxa</i>	364
Capped Rush	<i>Juncus capitatus</i>	243
Carolina Foxtail	<i>Alopecurus carolinianus</i>	320
Carolina Geranium	<i>Geranium carolinianum</i>	230
Carter's Buttercup	<i>Ranunculus bonariensis v. trisepalus</i>	409
Centaury	<i>Centaureum muehlenbergii</i>	223
Chaffweed, False Pimpernel	<i>Centunculus minimus</i>	404
Chain Speedwell	<i>Veronica catenata</i>	447
Chamisso Sedge	<i>Carex pachystachya</i>	161
Chamomile	<i>Anthemis cotula</i>	36
Charlock	<i>Sinapis arvensis</i>	131
Cheat Grass	<i>Bromus tectorum</i>	333
Cheeseweed	<i>Malva parviflora</i>	278
Chick Lupine	<i>Lupinus microcarpus var. densiflorus</i>	193
Chicory	<i>Cichorium intybus</i>	48



# ***Plants of the Cosumnes River Preserve***

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Childing pink, Pink grass	<i>Petrorhagia prolifera</i>	140
Chilean Bird's-Foot Trefoil	<i>Lotus wrangelianus</i>	190
Chinese Tallow Tree	<i>Sapium sebiferum</i>	183
Clammy Clover	<i>Trifolium obtusiflorum</i>	209
Clustered Dock	<i>Rumex conglomeratus</i>	395
Cocklebur	<i>Xanthium strumarium</i>	95
Common Blennosperma	<i>Blennosperma nanum</i>	43
Common Chickweed	<i>Stellaria media</i>	146
Common Duckweed	<i>Lemna minor</i>	32
Common Groundsel	<i>Senecio vulgaris</i>	88
Common Pear	<i>Pyrus communis</i>	415
Common Plantain	<i>Plantago major</i>	314
Common Purslane	<i>Portulaca oleracea</i>	403
Common Sow Thistle	<i>Sonchus oleraceus</i>	92
Common Spikeweed	<i>Hemizonia pungens ssp. pungens</i>	66
Common Vetch	<i>Vicia sativa ssp. nigra</i>	217
Common Winter Cress	<i>Barbarea vulgaris</i>	110
Corn Speedwell	<i>Veronica persica</i>	449
Coyote Brush	<i>Baccharis pilularis</i>	41
Crabgrass	<i>Digitaria sanguinalis</i>	339
Crane's Bill	<i>Geranium dissectum</i>	231
Creeping Spikerush	<i>Eleocharis macrostachya</i>	173
Creeping Wild Rye	<i>Leymus triticoides</i>	353
Creeping Wood Sorrel	<i>Oxalis corniculata</i>	302
Curly Dock	<i>Rumex crispus</i>	396
Cursed Buttercup	<i>Ranunculus scleratus</i>	413
Dallis Grass	<i>Paspalum dilatatum</i>	359
Dandelion	<i>Taraxacum officinale</i>	93
Delta Woolly Marbles	<i>Psilocarphus brevissimus v. multiflorus</i>	84
Dense-flower Willowherb	<i>Epilobium densiflorum</i>	293
Ditch Rabbit Foot Grass	<i>Polypogon interruptus</i>	369
Douglas' Mesamint	<i>Pogogyne douglasii</i>	255
Douglas' Microseris/Douglas' Silver	<i>Microseris douglasii</i>	81
Downy Monkey Flower	<i>Mimulus pilosus</i>	307

# **Plants of the Cosumnes River Preserve**

Common Name	Species Name	Page Number
Dwarf Brodiaea	<i>Brodiaea minor</i>	459
Dwarf Cudweed	<i>Gnaphalium palustre</i>	57
Dwarf Downingia	<i>Downingia pusilla</i>	137
Dwarf Nettle	<i>Urtica urens</i>	466
Dwarf Popcorn Flower	<i>Plagiobothrys humistratus</i>	105
Dwarf Soapwort	<i>Chlorogalum pomeridianum</i>	265
Dwarf Woodsorrel	<i>Oxalis laxa</i>	303
Dwarf Woolly-heads	<i>Psilocarphus brevissimus v. brevissimus</i>	83
Early Yellowrocket	<i>Barbarea verna</i>	109
Edible Fig	<i>Ficus carica</i>	285
Eggbract Sedge	<i>Carex ovalis</i>	160
Elegant Brodiaea	<i>Brodiaea elegans</i>	458
English Plantain	<i>Plantago lanceolata</i>	313
Evening Primrose	<i>Oenothera villosa ssp. strigosa</i>	299
Everlasting	<i>Gnaphalium luteo-album</i>	56
False Loosestrife, Water Primrose	<i>Ludwigia peploides ssp. peploides</i>	298
False Pimpernell	<i>Lindernia dubia var. anagallidea</i>	440
Fennel	<i>Foeniculum vulgare</i>	22
Fescue	<i>Vulpia bromoides</i>	377
Few-seed Bitter Cress	<i>Cardamine oligosperma</i>	114
Fiddle Dock	<i>Rumex pulcher</i>	397
Fiddleneck	<i>Amsinckia menziesii v. intermedia</i>	98
Field Mint	<i>Mentha arvensis</i>	253
Field Mustard	<i>Brassica rapa</i>	112
Filago, Mediterranean Herba Impia	<i>Filago gallica</i>	55
Fireweed	<i>Epilobium angustifolium ssp. circumvag</i>	288
Five Angled Dodder, Western Field	<i>Cuscuta pentagona</i>	149
Flowering-quillwort	<i>Lilaea scilloides</i>	249
Foothill Clover	<i>Trifolium ciliolatum</i>	201
Foxtail Barley	<i>Hordeum murinum ssp. leporinum</i>	350
Fragile Sheath Sedge	<i>Carex fracta</i>	158
Fremont's Cottonwood	<i>Populus fremontii ssp. fremontii</i>	422
Fremont's Goldfields	<i>Lasthenia fremontii</i>	75
Frying Pans	<i>Eschscholzia lobbii</i>	305

# **Plants of the Cosumnes River Preserve**

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Garden Asparagus	<i>Asparagus officinalis ssp. officinalis</i>	262
Goldfields	<i>Lasthenia californica</i>	74
Goldfields	<i>Lasthenia glabrata</i>	77
Goldwire	<i>Hypericum concinnum</i>	233
Gooding's or Black Willow	<i>Salix gooddingii</i>	424
Grand Redstem, Grand Ammania	<i>Ammannia robusta</i>	271
Great Valley Gumplant	<i>Grindelia camporum</i>	58
Green's Popcorn Flower	<i>Plagiobothrys greenei</i>	104
Hairy Fleabane	<i>Conyza bonariensis</i>	51
Hairy Vetch	<i>Vicia villosa</i>	219
Hairy Waterclover	<i>Marsilea vestita ssp. vestita</i>	281
Hairy-podded Pepper-grass	<i>Lepidium lasiocarpum</i>	122
Harding Grass	<i>Phalaris aquatica</i>	361
Harvest Brodiaea	<i>Brodiaea coronaria</i>	457
Hawkbit	<i>Leontodon taraxacoides</i>	79
Hayfield Tarweed	<i>Hemizonia congesta</i>	62
Hedge Hyssop	<i>Gratiola neglecta</i>	437
Hedge Hyssop	<i>Gratiola ebracteata</i>	436
Hedge Mustard	<i>Sisymbrium officinale</i>	132
Hedge Nettle	<i>Stachys albens</i>	260
Hedge Nettle	<i>Stachys ajugoides</i>	258
Hedge parsley	<i>Torilis arvensis</i>	26
Hedgehog Dogtail	<i>Cynosurus echinatus</i>	337
Hedge-hyssop Loosestrife	<i>Lythrum hyssopifolium</i>	273
Heliotrope	<i>Heliotropium curassavicum</i>	99
Henbit	<i>Lamium amplexicaule</i>	250
Himalayan Blackberry	<i>Rubus discolor</i>	417
Hoary Cress	<i>Cardaria draba</i>	117
Hoary Nettle	<i>Urtica dioica ssp. holosericea</i>	465
Hogwallow Starfish	<i>Hesperovax caulescens</i>	67
Honey Locust	<i>Gleditsia triacanthos</i>	184
Horehound	<i>Marrubium vulgare</i>	252
Horseweed	<i>Conyza canadensis</i>	52
Howell's Quillwort	<i>Isoetes howellii</i>	237

# ***Plants of the Cosumnes River Preserve***

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Hypericum	<i>Hypericum mutilum</i>	234
Inch High Dwarf Rush	<i>Juncus uncialis</i>	247
Indian Chickweed	<i>Mollugo verticillata</i>	284
Indian Hemp	<i>Apocynum cannabinum</i>	29
Indian Paintbrush	<i>Castilleja campestris</i>	432
Interior Live Oak	<i>Quercus wislizenii</i>	222
Iris-leaved Rush	<i>Juncus xiphioides</i>	248
Italian Ryegrass	<i>Lolium multiflorum</i>	354
Italian Thistle	<i>Carduus pycnocephalus</i>	45
Ithuriel's Spear	<i>Triteleia laxa</i>	461
Jerusalem Oak	<i>Chenopodium botrys</i>	14
Jimson Weed	<i>Datura stramonium</i>	451
Johnny Jump Up	<i>Viola pedunculata</i>	471
Johnson Grass	<i>Sorghum halepense</i>	374
Jointed Charlock	<i>Raphanus raphanistrum</i>	126
Kentucky Bluegrass	<i>Poa pratensis ssp. pratensis</i>	368
Knot Grass	<i>Paspalum distichum</i>	360
Knotted Hedgeparsley	<i>Torilis nodosa</i>	27
Lady's Thumb	<i>Polygonum persicaria</i>	392
Lambsquarters	<i>Chenopodium album</i>	12
Lawn Burrweed	<i>Soliva sessilis</i>	90
Least Spikerush	<i>Eleocharis acicularis v. bella</i>	172
Leather Root	<i>Hoita macrostachya</i>	186
Legenere	<i>Legenere limosa</i>	138
Lemmon's Canary Grass	<i>Phalaris lemmonii</i>	362
Lens-podded Hoary Cress	<i>Cardaria chalepensis</i>	116
Lettuce	<i>Lactuca saligna</i>	72
Little Hop Clover	<i>Trifolium dubium</i>	203
Little Quaking Grass	<i>Briza minor</i>	327
Littleseed Canary Grass	<i>Phalaris minor</i>	363
Long Leaf Plantain	<i>Plantago elongata</i>	311
Lotus Sweetjuice	<i>Glinus lotoides</i>	283
Love Grass	<i>Eragrostis pectinacea var. pectinacea</i>	343
Low Spearwort	<i>Ranunculus pusillus</i>	412

# **Plants of the Cosumnes River Preserve**

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Ludwigia, Six-petal Water-primrose	<i>Ludwigia hexapetala</i>	296
Manna Grass	<i>Glyceria borealis</i>	345
Many Flower Tobacco	<i>Nicotiana acuminata</i>	452
Marigold Navarretia	<i>Navarretia tagetina</i>	385
Marsh Baccharis	<i>Baccharis douglasii</i>	40
Marshpepper, Waterpepper	<i>Polygonum hydropiper</i>	389
Mat Grass	<i>Phyla nodiflora v. nodiflora</i>	468
Mat Grass	<i>Phyla nodiflora</i>	467
Meadow Barley	<i>Hordeum brachyantherum</i>	347
Meadowfoam	<i>Limnanthes douglasii</i>	268
Mediterranean Barley	<i>Hordeum marinum ssp. gussoneanum</i>	349
Mediterranean Beard Grass	<i>Polypogon maritimus</i>	370
Medusa-head	<i>Taeniatherum caput-medusae</i>	375
Mexican Rush	<i>Juncus mexicanus</i>	245
Mexican Tea	<i>Chenopodium ambrosioides</i>	13
Milk Thistle	<i>Silybum marianum</i>	89
Miner's Lettuce	<i>Claytonia perfoliata</i>	401
Miniature Lupine	<i>Lupinus bicolor</i>	192
Montevideo Spikerush	<i>Eleocharis montevidensis</i>	174
Mosquito Fern	<i>Azolla filiculoides</i>	96
Moss Pygmy-weed	<i>Crassula tillaea</i>	154
Moth Mullein	<i>Verbascum blattaria</i>	445
Mouse Chickweed	<i>Cerastium glomeratum</i>	139
Mudwort	<i>Limosella acaulis</i>	439
Mugwort	<i>Artemisia douglasiana</i>	37
Narroleaf Soap Plant	<i>Chlorogalum angustifolium</i>	264
Narrow Leaf Sandbar Willow	<i>Salix exigua</i>	423
Narrow-leaf Milkweed	<i>Asclepias fascicularis</i>	30
Narrow-leaved Cattail	<i>Typha angustifolia</i>	462
Needle Microseris	<i>Microseris acuminata</i>	80
Needle Spikerush	<i>Eleocharis acicularis</i>	171
Needle-leaf Navarretia	<i>Navarretia intertexta</i>	380
Nightshade	<i>Solanum aff. americanum</i>	454
Nit Grass	<i>Gastridium ventricosum</i>	344

# **Plants of the Cosumnes River Preserve**

Common Name	<i>Species Name</i>	Page Number
Notchleaf Clover	<i>Trifolium bifidum</i>	200
Nuttall's Quillwort	<i>Isoetes nuttallii</i>	238
Oak Mistletoe	<i>Phoradendron villosum</i>	473
Oldfield Three-Awn	<i>Aristida oligantha</i>	322
Orcutt's Quillwort	<i>Isoetes orcuttii</i>	239
Oregon Ash	<i>Fraxinus latifolia</i>	287
Oregon Timwort	<i>Cicendia quadrangularis</i>	225
Oregon Woolly Marbles	<i>Psilocarphus oregonus</i>	85
Osage Orange	<i>Maclura pomifera</i>	286
Owl's Clover	<i>Triphysaria pusilla</i>	443
Pacific Bentgrass	<i>Agrostis avenacea</i>	316
Paint Brush	<i>Castilleja lineariloba</i>	433
Palmer's Amaranth	<i>Amaranthus palmeri</i>	9
Panic Grass	<i>Panicum acuminatum</i>	357
Panicled Willow-herb	<i>Epilobium brachycarpum</i>	289
Parrotfeather	<i>Myriophyllum aquaticum</i>	232
Pennyroyal	<i>Mentha pulegium</i>	254
Peppergrass	<i>Lepidium strictum</i>	125
Peppergrass	<i>Lepidium latifolium</i>	123
Peppergrass, Pepperwort	<i>Lepidium densiflorum</i>	121
Perennial Ryegrass	<i>Lolium perenne</i>	355
Pigweed, Amaranth	<i>Amaranthus blitoides</i>	8
Pineapple Weed	<i>Chamomilla suaveolens</i>	47
Pin-point Clover, Graceful Clover	<i>Trifolium gracilentum</i>	205
Pitgland Tarweed	<i>Holocarpha virgata</i>	69
Pointed Rush	<i>Juncus oxymers</i>	246
Poison Hemlock	<i>Conium maculatum</i>	17
Poison Oak	<i>Toxicodendron diversilobum</i>	15
Pokeberry	<i>Phytolaca americana</i>	309
Polygonum	<i>Polygonum amphibium</i>	386
Polygonum	<i>Polygonum amphibium v. emersum</i>	387
Popcorn Flower	<i>Plagiobothrys bracteatus</i>	102
Popcorn Flower	<i>Plagiobothrys fulvous</i>	103
Popcorn Flower	<i>Plagiobothrys stipitatus</i>	106

# **Plants of the Cosumnes River Preserve**

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Prairie Rush, Prairie Bullrush	<i>Scirpus aff. maritimus</i>	176
Prickle Grass	<i>Crypsis vaginiflora</i>	335
Prickly Lettuce	<i>Lactuca serriola</i>	73
Prickly Sow Thistle	<i>Sonchus asper ssp. asper</i>	91
Prostrate Knotweed	<i>Polygonum arenastrum</i>	388
Puncture Vine	<i>Tribulus terrestris</i>	475
Purlsane Speedwell	<i>Veronica peregrina ssp. xalapensis</i>	448
Purple Navarretia	<i>Navarretia pubescens</i>	383
purple Needlegrass	<i>Nassella pulchra</i>	356
Purple Nutsedge	<i>Cyperus rotundus</i>	169
Purple Sand-spurry	<i>Spergularia rubra</i>	145
Purple Sanicle, Shoe buttons	<i>Sanicula bipinnatifida</i>	25
Purple Vetch	<i>Vicia benghalensis</i>	216
Rattail Fescue	<i>Vulpia myuros</i>	379
Rattlebox	<i>Sesbania punicea</i>	199
Red Carpet	<i>Crassula connata</i>	153
Red Clover	<i>Trifolium pratense</i>	210
Red Maids	<i>Calandrinia ciliata</i>	400
Red Willow	<i>Salix laevigata</i>	425
Red-root Pigweed, Green Amaranth	<i>Amaranthus retroflexus</i>	10
Redroot Sedge	<i>Cyperus erythrorhizos</i>	166
Red-stem Filaree	<i>Erodium cicutarium</i>	228
Redtop	<i>Agrostis gigantea</i>	318
Rescue Grass	<i>Bromus catharticus</i>	330
Rice Cutgrass	<i>Leersia oryzoides</i>	351
Rigid Hedge Nettle	<i>Stachys ajugoides v. rigida</i>	259
Ripgut Grass	<i>Bromus diandrus</i>	331
River Bullrush	<i>Bolboschoenus (Scirpus) fluviatilis</i>	155
Rock Cress	<i>Sibara virginica</i>	130
RoseClover	<i>Trifolium hirtum</i>	206
Rose-mallow	<i>Hibiscus lasiocarpus</i>	276
Rosinweed	<i>Calycadenia multiglandulosa</i>	44
Round-leaf Water-hyssop	<i>Bacopa rotundifolia</i>	430
Sacramento Mesa Mint	<i>Pogogyne zizyphoroides</i>	257

# **Plants of the Cosumnes River Preserve**

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Sacramento Orcutt Grass	<i>Alopecurus saccatus</i>	321
Saltgrass	<i>Distichlis spicata</i>	340
Sandmat	<i>Chamaesyce ocellata</i>	180
Sanfords's Arrowhead	<i>Sagittaria sanfordii</i>	6
Santa Barbara's Sedge	<i>Carex barbarae</i>	157
Scarlet Pimpernel	<i>Anagallis arvensis</i>	406
Scribner's Grass	<i>Scribneria bolanderi</i>	372
Sedge	<i>Carex praeegracilis</i>	162
Semaphore Grass	<i>Pleuropogon californicus</i>	366
Sharppoint Fluvellin	<i>Kickxia elatine</i>	438
Sheep Sorrel	<i>Rumex acetosella</i>	394
Shepard's Purse	<i>Capsella bursa-pastoris</i>	113
Shining Peppergrass	<i>Lepidium nitidum</i>	124
Shining Willow	<i>Salix lucida ssp. lasiandra</i>	427
Shortfruit Stork's Bill	<i>Erodium brachycarpum</i>	227
Silver Hairgrass	<i>Aira caryophyllea</i>	319
Skunk Weed	<i>Navarretia squarrosa</i>	384
Slender Popcorn Flower	<i>Plagiobothrys stipitatus v. micranthus</i>	107
Slender Wild Oat	<i>Avena barbata</i>	323
Slender Wolly-heads	<i>Psilocarphus tenellus</i>	86
Slenderbeak Sedge	<i>Carex athrostachya</i>	156
Small Fescue	<i>Vulpia microstachys</i>	378
Smallflower Halfchaff Sedge	<i>Lipocarpa micrantha</i>	175
Smallhead Clover	<i>Trifolium microcephalum</i>	207
Smart Weed	<i>Polygonum lapathifolium</i>	391
Smooth Cat's Ear	<i>Hypochaeris glabra</i>	70
Smooth Goldfields	<i>Lasthenia glaberrima</i>	76
Smooth leaved Elm, English Elm	<i>Ulmus minor</i>	464
Smooth Spike Primrose	<i>Epilobium pygmaeum</i>	294
Smooth Tarplant	<i>Hemizonia pungens ssp. laevis</i>	65
Smooth Witchgrass	<i>Panicum dichotomiflorum</i>	358
Sneezeweed	<i>Helenium puberulum</i>	59
Soft Chess	<i>Bromus hordeaceus</i>	332
Solano Downingia	<i>Downingia ornatissima</i>	136



# ***Plants of the Cosumnes River Preserve***

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Spanish Lotus	<i>Lotus purshianus v. purshianus</i>	189
Spear Oracle	<i>Atriplex cf. patula</i>	11
Spider Lupine	<i>Lupinus benthamii</i>	191
Spike Bentgrass	<i>Agrostis exarata</i>	317
Spike-primrose	<i>Epilobium cleistogamum</i>	292
Spikeweed	<i>Hemizonia fitchii</i>	64
Spiny Cocklebur	<i>Xanthium spinosum</i>	94
Spiny-fruit Buttercup	<i>Ranunculus muricatus</i>	411
Splitawn Sedge	<i>Carex tumulicola</i>	163
Sprangletop	<i>Leptochloa fascicularis</i>	352
Spring Vetch	<i>Vicia sativa ssp. sativa</i>	218
St. John's Wort	<i>Hypericum perforatum</i>	235
Strawberry Clover	<i>Trifolium fragiferum</i>	204
Subterranean Clover	<i>Trifolium subterraneum</i>	212
Sunflower	<i>Helianthus annuus</i>	60
Swamp Grass	<i>Crypsis schoenoides</i>	334
Tansy Mustard	<i>Descurainia sophia</i>	119
Taper Tip Rush	<i>Juncus acuminatus</i>	240
Tarweed	<i>Hemizonia congesta ssp. luzulifolia</i>	63
Telegraph Weed	<i>Hetertheca grandiflora</i>	68
Thimble Clover	<i>Trifolium microdon</i>	208
Threebracted Loosestrife	<i>Lythrum tribracteatum</i>	274
Thyme Leaf Mesaming	<i>Pogogyne serpylloides</i>	256
Thyme-leaved Spurge	<i>Chamaesyce serpyllifolia</i>	181
Tidytips	<i>Layia fremontii</i>	78
Timothy	<i>Phleum pratense</i>	365
Tiny Mousetail	<i>Myosurus minimus</i>	407
Toad Rush	<i>Juncus bufonius</i>	242
Tomatillo	<i>Physalis philadelphica</i>	453
Tomcat Clover	<i>Trifolium willdenovii</i>	214
Torrey's Willowherb	<i>Epilobium torreyi</i>	295
Tree of Heaven	<i>Ailanthus altissima</i>	450
Tricolor Monkey Flower	<i>Mimulus tricolor</i>	308
Tumbleweed	<i>Amaranthus albus</i>	7

# **Plants of the Cosumnes River Preserve**

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
Turkey Mullein	<i>Eremocarpus setigerus</i>	182
Two-horned Downingia	<i>Downingia bicornuta</i>	135
Umbrella Grass	<i>Cyperus eragrostis</i>	165
Umbrella Plant	<i>Cyperus involucratus</i>	168
Valley Oak	<i>Quercus lobata</i>	221
Valley Tassels	<i>Castilleja attenuata</i>	431
Variable Nutsedge	<i>Cyperus difformis</i>	164
Vasey's Coyote-thistle	<i>Eryngium vaseyi</i>	21
Velvet Leaf	<i>Abutilon theophrasti</i>	275
Verbena	<i>Verbena hastata</i>	470
Vinegarweed	<i>Trichostema lanceolatum</i>	261
Wall Bedstraw	<i>Galium parisiense</i>	421
Wappato, Arrowhead, Tule Potato	<i>Sagittaria latifolia</i>	5
Water Chickweed	<i>Montia fontana</i>	402
Water Hyacinth	<i>Eichhornia crassipes</i>	399
Water Pimpernel	<i>Samolus parviflorus</i>	405
Water Plaintain Buttercup	<i>Ranunculus alismifolius</i>	408
Water Plantain	<i>Alisma plantago-aquatica</i>	2
Water Primrose	<i>Ludwigia peploides</i>	297
Water Pygmy Weed	<i>Crassula aquatica</i>	152
Water Smartweed	<i>Polygonum punctatum</i>	393
Water Starwort	<i>Callitriche marginata</i>	134
Water Starwort	<i>Callitriche heterophylla</i>	133
Waterpetter	<i>Polygonum hydropiperoides</i>	390
Waxy Mannagrass	<i>Glyceria declinata</i>	346
Western Goldenrod	<i>Euthamia occidentalis</i>	54
Western Pearlwort	<i>Sagina decumbens ssp. occidentalis</i>	141
Western Ragweed	<i>Ambrosia psilostachya</i>	35
Wheat	<i>Triticum aestivum</i>	376
White Alder	<i>Alnus rhombifolia</i>	97
White Clover	<i>Trifolium repens</i>	211
White Hyacinth	<i>Triteleia hyacinthina</i>	460
White Meadowfoam	<i>Limnanthes alba</i>	267
White Sticky Sand-Spurry	<i>Spergularia macrotheca var. leucantha</i>	144

# **Plants of the Cosumnes River Preserve**

<b>Common Name</b>	<b>Species Name</b>	<b>Page Number</b>
White Sweet Clover	<i>Melilotus albus</i>	195
White-flowered Navarretia	<i>Navarretia leucocephala</i> ssp. <i>leucocephal</i>	382
White-head Navarretia	<i>Navarretia leucocephala</i>	381
White-stemmed Filaree	<i>Erodium moschatum</i>	229
White-tipped Clover	<i>Trifolium variegatum</i>	213
Whitetop	<i>Cardaria pubescens</i>	118
Wild Carrot	<i>Daucus carota</i>	18
Wild Licorice	<i>Glycyrrhiza lepidota</i>	185
Wild Oat	<i>Avena fatua</i>	324
Wild Pea	<i>Lathyrus jepsonii</i> v. <i>californicus</i>	187
Wild Radish	<i>Raphanus sativus</i>	127
Wild Rose	<i>Rosa californica</i>	416
Wild Teasel	<i>Dipsacus fullonum</i>	178
Willow Dock	<i>Rumex salicifolius</i>	398
Willow-herb	<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	291
Willow-herb	<i>Epilobium ciliatum</i>	290
Windmill Pink	<i>Silene gallica</i>	142
Winter Cress	<i>Barbarea orthoceras</i>	108
Wood Sorrel	<i>Oxalis albicans</i> ssp. <i>pilosa</i>	301
Woolly Milkweed	<i>Asclepias vestita</i>	31
Woolly Mullein	<i>Verbascum thapsus</i>	446
Woolly Heads, Woolly Marbles	<i>Psilocarphus tenellus</i> v. <i>tenellus</i>	87
Yarrow	<i>Achillea millefolium</i>	33
Yellow Cress	<i>Rorippa palustris</i> v. <i>occidentalis</i>	129
Yellow Glandweed	<i>Parentucellia viscosa</i>	441
Yellow Mariposa Lily	<i>Calochortus luteus</i>	263
Yellow Melilotus	<i>Melilotus indicus</i>	196
Yellow Monkey Flower	<i>Mimulus guttatus</i>	306
Yellow Mustard	<i>Hirschfeldia incana</i>	120
Yellow Nutsedge	<i>Cyperus esculentus</i>	167
Yellow Owl's Clover	<i>Triphysaria versicolor</i>	444
Yellow Star-thistle	<i>Centaurea solstitialis</i>	46
Yellow Sweetclover	<i>Melilotus officinalis</i>	197
Yellow Water Cress	<i>Rorippa curvisiliqua</i>	128