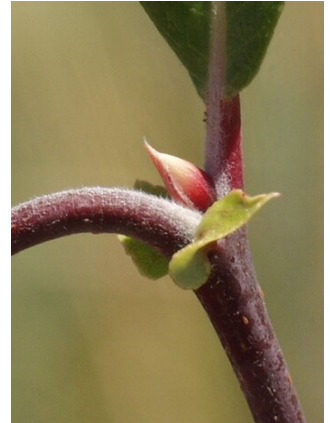


Introduction to the Willows of California (Salicaceae)

June 24, 2023, Saturday

*California is home to one third of the estimated 120 willow species growing in North America. Cottonwoods and willows are the most common riparian hardwood species in California and yet many of us have little idea of how to tell them apart. Species identification is often neglected because willows are thought to frequently hybridize, which is further compounded by only having vegetative material during field visits when we think we need flowers to make a positive identification. The workshop will focus on the leaf, stem, and other vegetative growth characteristics that are useful in making identification while also emphasizing the regional distributions of the different species. The goal of the workshop is to instill confidence about vegetative characteristics used in the identification keys in *The Jepson Manual (2nd edition)* and familiarize participants with the six most common willows in California.*



The workshop will begin with a brief presentation focusing on the overall willow family taxonomy, recent taxonomic changes in the second edition of *The Jepson Manual*, geographic distribution, and key identification characteristics. Fresh material of cottonwoods and willows will be available to illustrate the variety of vegetative and flowering characteristics used in *The Jepson Manual* 2 keys. Bring in your problem willows and we will apply our new willow skills to identifying them together. Additionally, the instructor will provide an overview of willow family ecology and briefly cover use of willows and cottonwoods in restoration projects. Participants should bring a hand lens, dissection equipment including extra-fine forceps, and a copy of *The Jepson Manual*. All experience levels are encouraged to participate.



*The workshop will be led by **John Bair**, recognized expert in willow and cottonwood taxonomy and physiology. John has investigated the inter-relationship between riparian plant dynamics, geomorphology, and hydrology to recommend flow management and channel restoration approaches. He earned his Master's degree working with Dr. John Sawyer at Humboldt State University, analyzing riparian initiation and establishment processes on the Trinity River. His special interests include the effect of streamflow regulation on Salicaceae.*

The workshop will meet Saturday, June 24, 2023, from 9:00 a.m. to 5:00 p.m. in Holt Hall room 129 at CSU Chico. Registration is \$110.00 personal, \$135.00 business, \$100.00 for members of Friends of the Herbarium, \$50.00 student (only 2 seats available at the student price). Please register in advance; class size is limited to 20 participants, class cancelled without at least 8 participants. For more information about workshop content please contact John Bair at john@mcbainassociates.com or (707)834-4008. For more information about registration please contact the Herbarium Director, Colleen Hatfield at chatfield@csuchioc.edu



Friends of The Chico State Herbarium — CSU , Chico

*Introduction to the
Willows of California (Salicaceae)*

June 24, 2023, Saturday

Workshop Registration Form

Please make your check payable to *Chico State Enterprises*— please include “Willow workshop” on the memo line, and mail to:

Friends of the Ahart Herbarium California
State University, 400 W. First Street
Chico, CA 95929-0515

NAME: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

PHONE: _____

E-MAIL: _____

AMOUNT ENCLOSED: _____

<http://friendsoftheahartherbarium.org/workshops-and-events>

