

# ***Riparian Ecology along the Middle Sacramento River: Understanding Riparian Ecology from the Perspective of Flowing Water***

***May 8, 2019, Wednesday***

Physical River Processes drive riparian ecology. Flooding and flowing water determine how sediment will be moved through the watershed and how it is distributed across the floodplain, with riparian vegetation responding to the different growing conditions provided by the sediment patterns. Flow velocity shapes the plants as they grow and creates the characteristic vegetation structures that we associate with riparian areas.

This field-based workshop will examine riparian ecology along the middle Sacramento River from the perspective of flowing river water: How has flowing water determined the location of plant species across the floodplain; How has the flowing water shaped the physical structure of the vegetation. This year's river flooding should give us a lot to explore and to discover about the riparian ecology of the middle Sacramento River.

The workshop will take place at two different field locations along the middle Sacramento River. We will hike across floodplains and along river banks and onto in-channel sandbars. We will examine how the hydraulics of river flows have formed the sediment and vegetation patterns across the floodplain. Participants will be expected to excavate shallow holes or pits to determine stratification of sediment profiles under and near selected plants and geomorphic surfaces (small shovels and soil auger will be provided).

Workshop participants should expect being outside during this early summer field trip. Wearing long sleeves and long pants, a sun-hat, and sturdy hiking shoes should be appropriate (level terrain with hummocky microtopography and spiny invasive weeds). Mosquitoes and ticks will be present. Bring plenty of water and lunch.

The workshop instructors:

***Dr. Tom Griggs***, Senior Restoration Ecologist (retired) River Partners. Tom is a practicing restoration ecologist with a long history of designing and implementing restoration projects in the Central Valley of California, recently retired from River Partners.

***Michael Rogner***, Senior Restoration Biologist, River Partners. Michael has over 15 years experience designing, implementing and monitoring riparian restoration projects along the Sacramento and Feather rivers.

***Stefan Lorenzato***, Retired, Chief Riverine Ecosystem Section, DWR-IRWM, California Department of Water Resources. Stefan has worked with watershed management programs for over 30 years in various capacities



The workshop will meet Wednesday, May 8, 2019, from 9:00 a.m. to 4:00 p.m. in the field along the Middle Sacramento River. Registration is \$110.00 personal, \$130.00 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 30 participants, class cancelled without at least 10 participants. For more information about workshop content please contact Tom Griggs at [tgriggs@riverpartners.org](mailto:tgriggs@riverpartners.org). For more information about registration or to register using a credit card please contact the Biology office at (530) 898-5356 or [sscholten@csuchico.edu](mailto:sscholten@csuchico.edu).

[www.friendsofthechicostateherbarium.com/eventsviewcalendar/](http://www.friendsofthechicostateherbarium.com/eventsviewcalendar/)

\*\*\* SEE PAGE 2 FOR REGISTRATION FORM \*\*\*

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*registration form*

Please make your check payable to *Research Foundation* – please include “Riparian Ecology workshop” on the memo line, and mail to:

Friends of the Herbarium  
California State University, Chico  
Chico, CA 95929-0515

To pay by credit card call the Biology office at (530) 898-5356.

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

CITY/STATE/ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

AMOUNT ENCLOSED: \_\_\_\_\_

Cancellation policy: No refund for cancellation within 7 days of the workshop date.

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*This workshop has been approved for 2 Professional Development Credits  
by the California Consulting Botanist Board of Certification*

