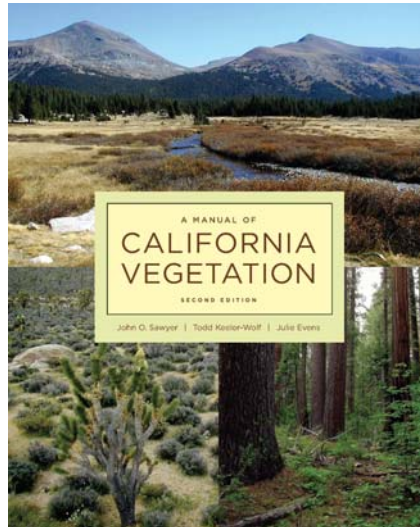




Introduction to the second edition of *A Manual of California Vegetation*

John O. Sawyer, Todd Keeler-Wolf, Julie M. Evens
September 15-17, 2009



LOCATION: A 3-day transect across the central Sierra Nevada, from the foothills to the eastern Sierra. We will begin at Calaveras Big Trees and end at Grover Hot Springs Valley, near Markleeville. See <http://www.scenic4.org/map.html>. We have reserved group camping sites at Calaveras Big Trees State Park, Mon-Tues, Sept. 14-15 and adjacent camping sites at Grover Hot Springs State Park, on Sept 16. We will be caravanning between sites.

COURSE DESCRIPTION: The authors will debut the greatly expanded second edition of *A Manual of California Vegetation*. They will provide an overview of additions and changes to the manual, including new vegetation types recognized or redefined across many habitats. You will learn how to use the new manual, in the field as we traverse a variety of vegetation types in the Sierra Nevada, as well as its uses for conservation and management.

COST: Members \$445
Non-members \$470

TARGET AUDIENCE: Professional botanists, ecologists, resource managers, and conservationists. Participants should have an initial understanding of the subject matter and basic plant identification skills. This course focuses on identifying and keying plant communities to the Alliance level, and making use of the book descriptions to understand vegetation and plant ecology of California.

The book should be available for purchase in hard-copy by September. We will provide photocopies of major sections of the book at the workshop, if it is not.



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ATTENDEES WILL LEARN:

- What has changed in the second edition of the Manual
- How major habitat types are being treated in the Manual
- How vegetation is classified at the alliance and association levels
- The new upper levels of the national vegetation classification hierarchy
- How to key out and name vegetation types
- How to compile and use vegetation data to define stands and alliances
- The components of the vegetation descriptions
- The geographic range and variation of vegetation types
- Environmental factors that correspond with each type
- Interpretation and delineation aerial imagery to map vegetation
- How vegetation classification, sampling, and mapping can improve conservation and restoration activities

INSTRUCTOR BIOGRAPHIES:

John O. Sawyer, Professor of Botany, Emeritus, is an ecologist that has studied the vegetation of California for more than 40 years. He taught ecology at Humboldt State University with emphasis on understanding the vegetation patterns in northwestern part of the state. John is co-author with Todd Keeler-Wolf and Julie Evens of the upcoming Second Edition of *The Manual of California Vegetation* and several other books and publications. John received his undergraduate at California State University, Chico and graduate degrees at Purdue University.

Dr. Todd Keeler-Wolf is an ecologist who has worked in California for over 30 years. In this time, he has had the pleasure of studying the vegetation and flora of virtually every terrestrial ecosystem in the state. Currently he is the Senior Vegetation Ecologist at the California Department of Fish and Game and leads their Vegetation Classification and Mapping Program. He is also the technical advisor to the California Native Plant Society's Vegetation Program. He is co-author with John Sawyer and Julie Evens of the upcoming Second Edition of *The Manual of California Vegetation* and several other books and publications. Todd received his undergraduate and graduate degrees at UC Santa Cruz.

Julie M. Evens is the Vegetation Program Director with the California Native Plant Society, where she has been directing vegetation classification and mapping projects across the state and analyzing vegetation data for the past 8 years. She manages CNPS sampling protocols and databases, coordinates vegetation training sessions, and writes reports on vegetation across California. Previously, she worked as a crew leader for major vegetation projects in Sequoia & Kings Canyon National Parks and the central



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Mojave Desert. Julie received her BA degrees from UC Santa Cruz and MA degree in Biology from Humboldt State University.

PROPOSED AGENDA:

Mon June 8 and Tues 9 Group campsite reserved at Calaveras Big Trees State Park.

Tues, Sept 15

8:30 a.m. Meet at the Lodge at Calaveras Big Trees State Park, Jack Knight Hall

Coffee, tea and introductions

9:00 - 11:00 a.m. Overview of 2nd Edition of the Manual of California Vegetation

11:00 a.m. Review an alliance description at the State Park (e.g., montane coniferous alliance)

Noon: Lunch – Please bring a bag-lunch and water for afternoon in the field

1:00 p.m. Introduction to the using the keys to vegetation types

Whole Group Field Exercise - identify stands of vegetation, key them out, and then review their alliance descriptions

3:00 p.m. Review other components of the new edition (e.g., life history and fire regime information)

4:30 p.m. Questions and answers

Group site campsite reserved for nights of Mon and Tues, June 8th and 9th

Wed, Sept 16

8:45 a.m. Meet at Calaveras Big Trees State Park

Field Exercise all day:

9:00 a.m. Drive to Lake Alpine

10:00 a.m. Review montane vegetation types, and continue using vegetation keys with examples in field. Includes a walk through several types of vegetation and discussion of each (e.g., lodgepole pine, red fir and white fir, aspen, and various mountain meadow alliances) and discussion of their ecology and distribution

Noon: Lunch - Bring your own bag-lunch

1:00 p.m. Drive to Ebbett's Pass

1:45 p.m. Discussion of subalpine and alpine vegetation types

3:00 p.m. Discuss data collection with sample data forms

4:30 p.m. Wrap up discussion

5:00 p.m. Break for the day and drive to campsite (or other accommodations)

Group campsite reserved at Grover Hot Springs State Park

Agenda continues next page



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Thurs, Sept 17

8:45 a.m. Meet at Grover Hot Springs State Park

Field Exercise all day:

9:00 a.m. Drive fifteen minutes to a Great Basin vegetation stop.

Continue reviewing the keys and descriptions of vegetation types (with focus on eastside types such as pinyon pine woodland, Great Basin sagebrush, and curleaf mountain mahogany)

10:30 a.m. Discussion on vegetation mapping methods at an overview

11:30 a.m. Drive to Luther Pass/Grass Lake

Noon: Lunch - Bring your own bag-lunch

1:00 p.m. Discuss vegetation patterns in diverse fens

Discussion on the applications of vegetation classification, description, and mapping to conservation and restoration

2:30 p.m. Exam for certificate of course

3:30 p.m. Q & A, fill out Evaluation Forms

4:00 p.m. End of the Workshop





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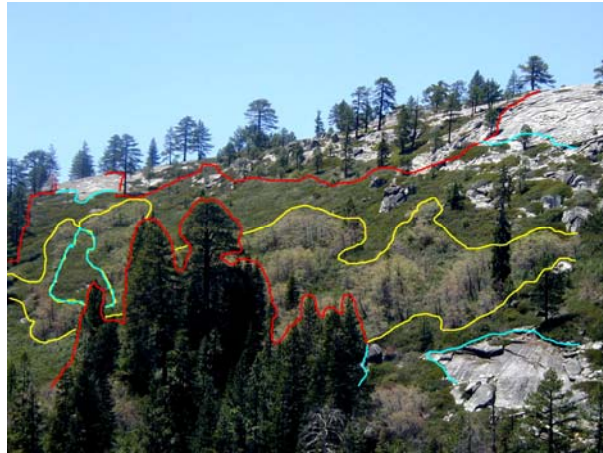
September 15-17, 2009



Equipment list, Materials and Resources Provided, Location and Links to Registration forms:

Please bring the following:

- Clipboard
- Notebook and pencils
- Sturdy boots and field clothes
- Clothing appropriate for the weather and conditions
- Water
- All meals for 3 days
- Snacks
- Camping gear if camping



Please bring the following items, if you have access to them:

- Compass and/or clinometer
- Binoculars
- Digital camera
- GPS unit

MATERIALS AND RESOURCES PROVIDED:

- Course materials for lecture on a CD (e.g., slides and reference material)
- Photocopies of the Manual of California Vegetation, second edition, final draft manuscript (including portions of keys and descriptions)
- Vegetation sampling data sheets, maps, and references for field exercises
- Certificate of completion for all whom successfully complete the course including completing an exam on the third day.

LOCATIONS AND FACILITIES:

Evenings of Mon-Tues Sept 14-15. Calaveras Big Trees State Park, group camp site reserved.

Morning of Tue, Sept 15. Meet at 8:30 am, Jack Knight Hall, Calaveras Big Trees State Park.

Evening of Wed, Sept 16. Grover Hot Springs, group camp site reserved.

It would be best to arrange carpooling between sites or to workshop beforehand. We are not providing vans or meals for this trip in the interests of keeping your cost down for this workshop.

For online registration go to [Registration](#) or use your back button