

Great Salt Lake Audubon
Invites You to Our 35nd Annual

Basin & Range

Weekend Seminar

June 10-11, 2017



North Fork Park, Liberty, Utah
near Pineview Reservoir

West Bower Group Site

[http:// www.greatsaltlakeaudubon.org](http://www.greatsaltlakeaudubon.org)
<http://www.webercountyutah.gov/parks/nfpark.php>

Basin & Range Seminar 2017

THIS SEMINAR brings together students of nature, lay people and professionals for field studies at North Fork Park near Liberty Utah.

OUR PURPOSE in offering this seminar is to provide participants with an opportunity to understand the unique environment that sustains us. We seek to illuminate relationships among plant life, animals, humans and the physical characteristics of mountains, deserts and water.

PARTICIPANTS accompany instructors for three hour classes in any of the six sessions: Saturday morning and afternoon, and Sunday morning. Saturday morning sessions begin at 9:00 A.M.; Saturday afternoon sessions begin at 1:00 P.M.; and the Sunday morning sessions begin at 8:00 A.M. Saturday evening there will be a potluck dinner at 6:00 P.M. followed by an evening program. Parents are required to supervise their children.

THE SITE is located in Liberty, Utah, about 7 miles up North Ogden Canyon and northwest of Pineview Reservoir. Attendees gather at the West Bower Group Site at an elevation of ~5200 feet. The group site can accommodate up to 50 attendees. Hook-ups are not available at this site. Registrants will receive directions to the site and campground by email after registering. The commute is approximately 60 miles and 1.25 hours north of Salt Lake City.

ACCOMMODATIONS allow for tents. There are two flush toilet and potable water at the site. Bring everything you will need.

MEALS: Participants should plan to provide their own meals and provide a contribution to the Saturday evening potluck. Bring an appetizer, side or main dish, or dessert to share. Great Salt Lake Audubon will provide soft drinks. In an effort to be green and reduce trash, **please bring your own plates and utensils.**

TUITION for the seminar is \$30; \$20 for seniors over 65.

REGISTRATION DEADLINE is **Friday, June 2, 2017**. Class choices are honored on a **first come first served** basis. A letter confirming your registration and a detailed map to the campground will be sent via email. Notice of cancellation must be received by Friday, June 2 in order to receive a refund.

Register early for best class choices. Event limited to 50 attendees. Class sizes are limited and registrants may be re-assigned if needed.

CLASSES OFFERED

INSTRUCTOR

Bird Watching in the Wasatch-Cache National Forest	Ian Batterman
Discover the Wasatch Flora	Lynn Bohs
Small Mammals of the Wasatch	Adam Brewerton
Birds & Their Place in Utah's Mountains: Field Identification and Ecology	Frank Howe
Birds of Northeastern Utah	Bryant Olsen
The Buzz About Bees: Understanding the Importance of Bees in Agriculture & Ecosystems	Stephen Stanko

FACULTY BIOGRAPHIES AND SESSION DESCRIPTIONS

Ian Batterman has 20 plus years of birding experience originally starting in his home state of Wisconsin. He has seen over 435 species in North America in 20 states and has cataloged 315 species in Utah alone in less than 2 years. He currently works as a School Programs Educator at The Loveland Living Planet Aquarium and is also the Field Trip Coordinator for Great Salt Lake Audubon.

Session description: Covering 1.6 million acres, the Wasatch-Cache National Forest provides habitat for thousands of animal species, including over 250 bird species; the trick is trying to find them! We will be searching a small portion of this forest to see what kinds of birds we can find and discover how they are utilizing this forest for their survival.

Lynn Bohs is a botanist in the Biology Department at the University of Utah. She has taught hundreds of students how to identify plants in her field classes. Her research concentrates on the nightshade family (Solanaceae) that includes potatoes, tomatoes, and chili peppers.

Session description: Attendees will get up close and personal to "Ask the Plants" questions in order to identify them to species. Participants will learn many of the common Wasatch trees, shrubs, and herbs in a short time. Please bring a hand lens if you have one. Lynn will provide species lists so a clipboard and pen/pencil could also be handy.

Adam Brewerton is the Wildlife Conservation Biologist for the Utah Division of Wildlife Resource's Northern Region. He works with birds and mammals of conservation concern, from songbirds to pelicans and bats to squirrels.

Session description: Rodents are often misunderstood, usually thought of as merely pests. But rodents are an important part of the ecosystem. We will discuss rodents, shrews, bats, and mustelids and the roles they play in the ecosystem of the mountains and valleys of Utah. Live traps will be set the night before, and with any luck, there could be an opportunity to see one up close.

FACULTY BIOGRAPHIES CONTINUED

Frank Howe is on the faculty at Utah State University in the Wildland Resources Department and is the Utah Division of Wildlife Resources' University Liaison. He works with universities to develop research projects related to wildlife issues across the state. Frank spent 15 years as the DWR Nongame Avian Program Coordinator, and was the Partners in Flight Coordinator and Mexican Spotted Owl Coordinator.

Session description: Explore various habitats within the North Fork Watershed from Pineview Reservoir to the forests of the Wasatch Mountains. We'll use visual, vocal, and behavioral cues to help identify the wide variety of Utah's mountain birds and discuss the role these birds play in our natural ecosystems.

Bryant Olsen has been a birder since he picked up *an Audubon Society Guide to Birds of North America* when he was 19. For the past 20+ years he has been actively studying and seeking out the company of birds. More of a naturalist than a birder, Bryant focuses on the way birds interact with their environment. He works for the Tracy Aviary Citizen Conservation Science Program as Bird Survey Team Leader.

Session description: Join Bryant for an **all-day birding session** exploring the habitats of this region. We will start at North Arm natural area along the North Fork looking for riparian woodland birds, then travel to the Eden Bobolink spot, looking for grassland species, then explore high elevation montane forest habitats around Monte Cristo, and finish in the sagebrush steppe and wetlands of Bear River meadows near Randolph, famous for its American Bitterns and much more.

Stacy Palen is a physics professor at Weber State University. Through her roles as astrophysicist, planetarium director and educator, she has become convinced of the importance of dark skies as a resource and ancestral birthright for all mankind. (Saturday evening program.)

Stephen Stanko has been fascinated by bees since he was in grade school and while at the University of Utah was given the opportunity to work with them extensively. Stephen currently works at the Utah Department of Agriculture and Food (UDAF) as an entomologist with a focus on honeybees. Stephen is always excited to have an opportunity to give insight into some of our most important insect allies.

Session description: Honeybees and native bees play a critical role in both our modern agricultural system and in the diverse ecosystems of Utah. Sadly both Honeybee and native bee populations have been declining sharply since the early nineties. Come learn about the fascinating biology of bees, the threats that currently face bees, and how you can help.

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North Fork Park, Liberty, Utah

Fee for Basin & Range participation

- \$30 for attendees 13 +
- \$20 for attendees 65+
- No cost for attendees 12 and younger

Friday Evening

Adam Brewerton will be setting up mammal live-traps on Friday and Saturday evenings. Attendees are invited to join Adam to see how it's done and check the traps in the early morning with him.

Saturday Evening Program

The Speed of Dark

Sometimes, you don't know what you've got until it's gone. In recent years, scientists from several disciplines have begun to understand the impact of the night sky on humans and on the environment. This has spurred a grassroots movement to secure dark night skies and protect them for future generations. This movement is picking up speed! Dr. Palen will discuss the importance of dark skies, and efforts to preserve them.

Additional information

- Individual campsites with hook-ups are available elsewhere in the park—you are responsible for reserving and paying
- Nearby lodging:
 - Columbine Inn, Eden
 - Wolf Creek Resort, Eden

Questions: Please contact:

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