

Basin & Range Seminar

June 3–5, 2022

Wasatch Mountain State Park, Midway, Utah

Fee for Basin & Range participation

- \$30 for attendees 13+
- \$25 for attendees 65+
- No cost for attendees 12 and younger

Friday evening program (7:00–8:00 PM)

Welcome by Jonathan Hunt, Park Manager

Presenter: Kathy Donnell, Naturalist

Great Horned Owls are Made for Night

Owls have adaptations that help them do their job at night. Learn about nocturnal adaptations from a live owl, why darkness is so important to them and how humans benefit from owls having dark places to live.

Saturday evening program (7:00–8:00 PM)

Presenter: Logan Mitchell, PhD

The (Untold) History of Air Quality in Utah

Air pollution challenges have changed along with changing energy sources and science. Yet technology and policy advances have improved Utah's air quality over time. Understanding our history informs where we are today and frames the air quality choices for our future.

Additional information

- If you choose not to camp with the group, you are responsible for making your own overnight arrangements. Nearby lodging is available:

Midway: Homestead Resort 435.654.1102; Zermatt Resort 866.937.6288; or the Blue Boar Inn 435.654.1400

Heber: Best Western Plus 435.657.6500; Holiday Inn Express 435.654.9990 (you are responsible to make your own arrangements)

Questions: Please contact:

Jeanne Le Ber, B&R Coordinator

Phone: 801.532.7384; 801.230.4373 (talk & text)

Email: jeanne.leber@utah.edu

FACULTY BIOGRAPHIES CONTINUED

Hunter Klingensmith and Nell Larson have both had a passion for the natural world from an early age. That passion led them to the Swaner Preserve and EcoCenter where each spends countless hours studying, restoring, and teaching about the ecology of the area.

Session description: From flood control to essential habitat, to water quality, this session focuses on the important ecosystem functions of wetlands in Utah. Through hands-on interactions & experiments with the Preserve's wetlands, participants get an intimate peek into their functions.

Max Malmquist is the Outreach Associate for Audubon's Saline Lakes Program. Max works to preserve saline lake ecosystems and other wetland habitats in the Great Basin region. He loves to share his passion for birds with others, and the connection that birds and people have with one of our most precious resources in the arid West: Water.

Session description: While riparian habitats have been degraded due to water diversions, stream alteration, invasive vegetation, and other human-related and environmental factors, efforts to preserve and restore riparian ecosystems have benefitted many bird species. Participants are introduced to Utah's bird species that depend on riparian corridors. We will drive to the Jordanelle Reclamation area below the dam and walk along the Middle Provo River. Beginning birders welcome. A local bird list will be provided.

Margaret Pettis is a Utah artist, poet, and author of the richly illustrated *Back Roads of Utah* (margaretpettis.com) An avid kayaker, former horsewoman, wilderness ranger, and wilderness activist, she taught art and English for forty years. Margaret's five novels and other books are listed on Amazon.com.

Session description: Participants learn basic techniques of watercolor wash and drawing with ink and natural materials while designing and illustrating a journal page celebrating the tiny and vast elements of this beautiful place. Supply list provided to attendees.

Terri Pope has worked as a biologist for Utah DWR since 2012. She is presently the Wildlife Conservation Biologist in the Central Region, working with birds and mammals of conservation concern. Her academic research focused on habitat & avian behavior relationships.

Session description: Individual bird species can usually be found in certain vegetation types or landscapes (i.e., their habitat). Birds have special adaptations to be successful in their habitats, each taking a unique role (i.e., their niche) to reduce competition and provide ecosystem services. Species that co-occur in certain habitats are sometimes referred to as assemblages. We will explore some of the bird assemblages that occur in habitats found within WMSP.

Great Salt Lake Audubon
Invites You to Our 38th Annual

Basin & Range Weekend Seminar

June 3-5, 2022



Wasatch Mountain State Park
Miner's Retreat & Springer Hollow Group Sites

Co-hosts:

Great Salt Lake Audubon
Wasatch Mountain State Park

<http://greatsaltlakeaudubon.org>

<http://stateparks.utah.gov/parks/wasatch-mountain/>

Online registration: <https://tinyurl.com/es9hb6u4>

Basin & Range Seminar 2022

THIS SEMINAR brings together students of nature, lay people, and professionals for field studies at Wasatch Mountain State Park, Miners Retreat & Springer Hollow Group Campsite, located in Midway.

OUR PURPOSE: 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 classes in any of six sessions: Saturday morning and afternoon, and Sunday morning. Saturday morning sessions begin at 9:00 AM; Saturday afternoon sessions begin at 1:00 PM; and the Sunday morning sessions begin at 8:00 AM. Friday evening program is focused on owls; Saturday evening program follows dinner. Parents are required to supervise their children. Participants are asked to provide proof of full COVID vaccination when they register.

THE SITE: Wasatch Mountain State Park is within the Wasatch Back area on the south and west edges of the Heber Valley in Wasatch County near Midway City. Attendees gather at the Miners Retreat & Springer Hollow group sites at an elevation of ~ 5,900 feet. Limited hook-ups are available at this site. Registrants will receive directions to the campground by email after registering. The commute is approximately 45 miles and 50 minutes southeast of Salt Lake City.

ACCOMMODATIONS: Sites for tents or RVs (only 4 sites available) with a full-service restroom, showers, flush toilets, and potable water, covered pavilion, and stand-up grill. Bring everything you will need.

MEALS: Participants should plan on providing all their own meals. GSLA will provide soft drinks and dessert for Saturday evening meal.

TUITION for the seminar is \$30; \$25 for seniors 65 and older.

REGISTRATION DEADLINE is **Monday, May 30, 2022**. 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 Tuesday, May 31 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. Registration opens May 1, 2022.

Cover art: Amanda Sharette-Kay ©

CLASSES OFFERED

Title

Birding by Ear
Flower Power: Plants of the Wasatch Back
Home Is Where the Forest Is
Reptiles & Amphibians of Northern Utah
BeaUTAHful Wetlands (Swaner EcoCenter)
Birding the Middle Provo River
Drawing on the Natural World
Bird Assemblages by Habitat

INSTRUCTOR

Who

Ian Batterman
Lynn Bohs
Kathy Donnell
Chris Frauenhofer
Hunter Klingensmith
Max Malmquist
Margaret Pettis
Terri Pope

FACULTY BIOGRAPHIES AND SESSION DESCRIPTIONS

Ian Batterman has been an avid birder for 28 years and field trip leader since 2010. He is a Lead Training School Programs Education Presenter at Loveland Living Planet Aquarium and has 16 years of education experience. **Session description:** During the spring and summer, breeding birds return to Utah. With all the foliage, it is often hard to see them. That is why birding by ear is a vital skill. With this bird walk, we will focus on what to listen for and how to identify species of birds in the cacophony of sound that is the breeding bird chorus.

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 academic research concentrates on the nightshade family (Solanaceae) that includes potatoes, tomatoes, and chili peppers. **Session description:** Participants learn many of the common Wasatch trees, shrubs, and herbs in a short time by getting up close to observe their secrets. No prior botany knowledge needed. Bring a hand lens if you have one, clipboard, and pen. Lynn will provide species lists. Session involves easy walking.

Kathy Donnell, Park Ranger/Naturalist, works for Wasatch Mountain State Park and oversees park interpretive programs and non-motorized trails. Kathy's motto is "There is no such thing as bad weather just bad clothing choices." So Get Outside! **Session description:** Learn how to identify trees on this 2-mile easy hike. Discover the importance of forest habitat in supporting a diversity of bird species and recognize factors that influence or change bird populations.

Chris Frauenhofer conducts wildlife management and research across Utah. Chris is passionate about reptiles and amphibians. His current research focuses on movement patterns and habitat selection of the Great Basin rattlesnake. **Session description:** Session focuses on native reptiles and amphibians of northern Utah. Explore nearby habitats and learn about the ecology, physiology, and life histories of various herp species that call the Wasatch home. Learn what makes reptiles and amphibians so unique.

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Mail-in Class Registration Form below

Online registration: <https://tinyurl.com/es9hb6u4>

Online registration is linked on GSLA website. To pay by check, fill out one form per registrant (below or print online form) and mail to:
Jeanne Le Ber - Basin & Range
550 South 400 East #3407
Salt Lake City, UT 84111

**Please make check payable to:
Great Salt Lake Audubon
Please print clearly!**

Name _____

Address _____

City, State, Zip _____

Phone _____

Email _____

Circle one class for each session.

SESSION I SATURDAY—9:00—NOON
Batterman—Birds by Ear
Klingensmith—Wetlands, one session at Swaner
Malmquist—Middle Provo River Birding
Pettis—Drawing
Pope—Bird assemblages

SESSION II SATURDAY—1:00—4:00
Batterman—Birds by Ear
Bohs—Plants
Donnell—Trees, one session, meet at 1:30
Frauenhofer—Reptiles
Pettis—Drawing

SESSION III SUNDAY—8:00—11:00
Bohs—Plants
Frauenhofer—Reptiles
Malmquist—Middle Provo River Birding
Pope—Bird assemblages

Registration opens May 1, 2022