



1 - 6 AUGUST : BAKER (WHITE PINE CO.) - HIDDEN CANYON RETREAT Great Basin National Park Unparalleled bat-diversity in the high desert.

AGENDA

*NOTE: THE GREAT BASIN AREA IS ON PACIFIC DAYLIGHT TIME - 7.0 UTC. (UTAH IS ON MOUNTAIN DAYLIGHT TIME)
BREAKFAST ON YOUR OWN • LATE-LUNCH/EARLY-DINNER 3:30-4PM • LATE NIGHT SNACKS PROVIDED AFTER BAT WORK*

DAY 1: INTRODUCTION TO GREAT BASIN: HUMAN AND NATURAL HISTORY AND BAT CONSERVATION AND MANAGEMENT THURS. 1 AUG

1:00pm—Meet at Hidden Canyon Retreat for Check-in, Introductions, Orientation, and Trip Details

2:00pm—Lecture: Settling the Great Basin - Plant, Animal, and Human History of the Area and the formation of Great Basin National Park

4pm Dinner

5:00pm—Field Trip: Setting Nets, Traps, and Acoustic Detectors to Survey for Bats - one of the most challenging mammals to study

7:00pm—Field Trip: Demonstrate Active Bat Recording and Bat Handling and Capture Methods: **Hidden Canyon Retreat Main Pond**

DAY 2: WIN-WIN STRATEGIES FOR BAT CONSERVATION: MAKING FRIENDS NOT ENEMIES FRI. 2 AUG

9:30am—Meet-up to Go Over Daily Schedule

10:00am—Lecture: Why Save Bats and How to Encourage Business and Industry to Contribute to Bat Conservation - Case Studies

11:00am—Lecture: Acoustic Monitoring as a Survey Tool - What Can it Tell Us and How to Be Involved in Continental Monitoring Programs

12:15pm—Field Trip: Visit Long-term Passive Monitoring Station on Retreat Property and Discuss Findings from the Past 3-years

1:00pm—Lecture: Pallid Bats - A Natural History and History of Roost Protection at the Eskdale Utah Site

3pm - Break for Late-lunch/Early-dinner

5:00pm—Field Trip: Depart for Eskdale UT to Visit Pallid Bat Roost and Set-up Traps and Detectors for Evening Survey Efforts

6:30-9:00 Field Trip: Echolocation Recording, Harp-trapping, Bat-handling, Swabbing, PIT / MOTUS tagging: **Eskdale Utah Pallid Bat Roost**

DAY 3: THREATS TO BATS: HABITAT LOSS, WHITE-NOSE SYNDROME, WIND ENERGY, FEAR AND MISINFORMATION SAT. 3 AUG

9:30am—Meet-up to Go Over Daily Schedule

10:00am—Lecture: Threats to Bats - Why Bat Populations are Declining World Wide and How MTBC is Leading the Charge to Reverse This

11:30am—Lecture: Mexican Free-tailed Bats - A Natural History and History of the Conservation and Monitoring at Rose Guano Cave

1:30pm—Lecture: Qualitative and Quantitative Call Characteristics of Low-frequency, Non-myotis Bat Species of the Western U.S.

3pm - Break for Late-lunch/Early Dinner

4:00pm—Field Trip: Visit Spring Valley Wind Farm and Learn About Mitigation Efforts.

6:00pm—Field Trip: Visit Rose Guano Cave and Assist with Nevada Division of Wildlife Survey Efforts

7:30-9:00pm Field Trip: Capture, Handle, and Record Data from Mexican Free-tailed Bats at **Rose Guano Cave**

DAY 4: PROTECTING BATS ON FEDERAL LANDS AND BEYOND SUN. 4 AUG

9:30am—Meet-up to Go Over Daily Schedule

10:00am—Lecture: Bat Research at Great Basin National Park - Acoustic Surveys, PIT-tagging, MOTUS Towers, Roost Protection, Education

11:30am—Lecture: Townsend's big-eared Bats - A Natural History and Results of PIT-tagging Efforts in the Great Basin

3pm - Break for Late-lunch/Early Dinner

4:30pm—Field Trip: Depart for Lehman Cave Tour at Great Basin National Park

6:30-9:00pm—Field Trip: Capture and Identify Bats for Great Basin National Park PIT-tagging Efforts: **Upper Pictograph Cave**

DAY 5: THE FUTURE OF BAT CONSERVATION - INCORPORATING A "SENSE OF PLACE" INTO BAT MANAGEMENT MON. 5 AUG

9:30am—Meet-up to Go Over Daily Schedule

11:00am—Lecture: The Hidden Canyon Retreat Philosophy of a Working Guest Ranch and Being Responsible Stewards of the Land

12:00am—Lecture: Great Basin's Dark Sky Park Rating and how Star-gazing and Bat-watching are Intertwined

1:30pm—Free-Time: Participants are Free to Relax and Enjoy the Hidden Canyon Hot Tub, Pool, or Hiking Trails

3pm - Break for Late-lunch/Early Dinner

4:30pm—Field Trip: Depart for Sundown Hike among Bristlecone Pines at Great Basin National Park **Wheeler Peak Trailhead**

8:30-10:30pm—Hands-on Demonstration: Spot-lighting Bats near Wheeler Peak **Teresa Lake and Stella Lake**

DAY 6: PUTTING IT ALL TOGETHER, WHAT HAVE WE LEARNED (NO LUNCH/DINNER THIS DAY) TUE. 6 AUG

9:30am—Meet-up to Review the Week's Survey Results and How they Fit into the Long-term Bat Monitoring in the Great Basin

10:30am—Participants are Free to Tour Great Basin Gift Shops and Visitor's Centers on their Own and/or Explore the Baker Area

Evening Geek Sessions / Reverse Happy Hour: Since we are a captive audience at this venue there will be evening "Meet-ups" each night until midnight (or later), allowing students to receive 1-on-1 time with leaders to go over the day's activities, answer specific questions about student plans for future bat work, or learn more about bat research. These meet-ups are totally optional. Light snacks and beverages will be provided.