

Greater Yellowstone Area Science Agenda Workshop

Optional Field Trip for Workshop Panel to Yellowstone National Park

November 3

A field trip will be led by topic experts on the Greater Yellowstone. Planned itinerary includes stops in Paradise Valley, near Gardiner, Blacktail Ponds, and the Lamar Valley. A microphone will allow for science and management presentations during drive time, with speakers slated. Stops will be made along the way for more in depth discussion of the three workshop drivers: climate change, invasive species, and land use changes. Ample opportunity will be provided for walks, stretching, and wildlife viewing. Lunch will be provided. Consider bringing cameras, binoculars, and gear for inclement weather.

Route: Bozeman to 89 >> 89 to Corwin Springs >> Turn south on Old Yellowstone Trail at Corwin Springs, follow to North Entrance >> Mammoth >> Lamar Valley >> Bozeman via 89

Hosts on bus through park (open mic): Roy Renkin and Glenn Plumb, Yellowstone National Park (climate change and invasive species from managers' perspective)

8:00 AM **Depart Bozeman (Holiday Inn on 7th St.)**

8:15 AM **Stop: Peet's Hill, Bozeman (30 min)**

Topics: Land use change, small urban area, environmental intersection, NEON relocation station (AH); objectives of the county with regards to sighting exurban development and wildlife and ecosystem impact concerns, planning and zoning approaches, and the political realities of implementing those approaches (BMu)

Speaker: Andy Hansen, MSU; Bruce Maxwell, MSU; Bill Murdock, Gallatin County

Bus discussion (no stop): Paradise Valley (40 minutes)

Topics: Yellowstone cutthroat trout

Speaker: Bob Gresswell, USGS

9:40 AM **Meditation Point/Rest Area Stop: Highway 89, USDA Forest Service Rest Area (10 min)**

Bus discussion (no stop): turn off at Corwin Springs (40 minutes)

Topics: Land use change using Royal Teton Ranch (Church Universal and Triumphant) as a case study, Forest Service acquisitions.

Speaker: Lisa Stoeffler, Gallatin National Forest Ecosystem Staff Officer; Ron Marcoux, Rocky Mountain Elk Foundation

10:20 AM **Stop: Gardiner Basin fences for restoration (20 min—stay on bus)**

Topics: Invasive species, stop at restoration enclosure.

Speaker: Roy Renkin, YNP

~11 AM **Mammoth Campground bathroom break (10 min)**

Bus discussion (no stop): Mammoth to Frog Rock

Topics: New Zealand Mudsnaill, previously stocked ponds, whirling disease

Speaker: Dan Reinhart, YNP

11:25 AM **Stop: Frog Rock (30 min)**

Topics: paleoecology, lake sediment coring, climate change, and fire history

Speaker: Cathy Whitlock, MSU

Bus discussion (no stop): Vanishing Wetlands and Floating Island Lake

Speaker: Roy Renkin, YNP

45 min drive to Lamar Valley

- 12:55 PM** **LUNCH and Stop: Soda Butte/Lamar River Trailhead (45 min, bathroom break)**
Topics: Climate change (response of riparian willows to interacting stresses of reduced water availability and herbivory, link of the introduction of wolves to the effect of future changes in climate).
Speaker: Tom Hobbs, CSU
- 2:15 PM** **Stop: Blacktail Plateau Drive (40 min)**
Topic: NEON site (10 min walk to site)
Speaker: Glenn Plumb, YNP
- 3:15 PM** **Stop: Mammoth Campground area with limber pine (20 min, bathroom break)**
Topics: Invasive species, changes in elevation for whitebark pine, blister rust
Speaker: Dan Reinhart, YNP
- Bus discussion (no stop): 89, can see Stephen's Creek from the road**
Topics: Animal management (bison)
Speaker: Glenn Plumb, YNP
- 5:20 PM** **Arrive in Bozeman (Holiday Inn)**