

**TOBACCO ROOT GEOLOGICAL SOCIETY 50th ANNUAL FIELD CONFERENCE
BANNACK, MONTANA, JULY 24 – 28, 2025**



View southwest overlooking the Bannack town center. Photo by Jesse Mosolf.

CALL FOR FIELD TRIP LOGS, PAPERS, AND CONFERENCE/SYMPOSIUM VOLUNTEERS

Join us for the 2025 TRGS Field Conference in Bannack, Montana, July 24-28. The Montana Bureau of Mines and Geology (MBMG) is wrapping up two long-term mapping projects covering the Dillon and Wisdom 30'x60' quadrangles. The field conference will showcase this work and will be an excellent opportunity for attendees to provide feedback on the mapping! The Dillon and Wisdom areas are home to spectacular landscapes and a tremendous diversity of geology, including ductile Archean-Proterozoic metamorphic and igneous rocks, Belt Supergroup strata, faulted and folded Phanerozoic sequences, Cretaceous-Cenozoic volcanic/plutonic rocks and associate mineralization, the Anaconda Detachment System, Tertiary volcano-sedimentary deposits and extensional faults, alpine glaciation, Quaternary geology, and more!

We seek field trip logs, papers, and trip leaders that explore the geology of the Dillon and Wisdom areas. A tentative list of field trips is provided on the following page. Field guides, abstracts, and papers will be published in *Northwest Geology*, TRGS's annual publication. Submission guidelines are posted at <https://www.trgs.org/northwest-geology>. All manuscripts and road logs must be received by **May 2nd, 2025**.

Want to lead a field trip, give a talk, or help with the conference? Contact conference chairs Jesse Mosolf (jmosolf@mtech.edu) or Colleen Elliott (celliott@mtech.edu) ASAP.

TENTATIVE SCHEDULE

General logistics chair: Jesse Mosolf (jmosolf@mtech.edu)

Editor of Northwest Geology and field guides: Colleen Elliott (celliott@mtech.edu)

Venue: Group site (pavilion) at Bannack State Park

On-site registration 4-6 pm, Thursday, July 24th.

Catering: UM-Western

Camping: Bannack campgrounds (reserved by TRGS), nearby Grasshopper Canyon, or surrounding public lands.

Lodging: Rooms and cabins are available in Dillon, Jackson Hot Springs, and Elkhorn Hot Springs, all within a 30-minute drive.

Scientific/educational presentations: evenings in Bannack's historic church.

Tentative field trips (July 25-28):

Friday, July 25: half-day field trips

Geology of the upper Big Hole Valley basin

Geology of Bannack State Park

Bannack archeological tour and the Hendricks/Apex Mill

Badger Pass Cenozoic landscape history

Phosphoria at Dalys Spur

Bannack history tours

Saturday, July 26: full-day field trips

Tilted Tertiary beds, Mill Point near Bannack

Eocene volcanic rocks in Beaverhead Canyon

Fault, fold, and cleavage duplexes of Sandy Hollow

Glacial geology, Pioneer Mountains

Talc deposits in the Ruby Range

Bannack history tours

Sunday, July 27: full-day field trips

Neogene Sixmile Creek Formation in the upper Ruby Valley

Geology of Birch Creek and the Indian Queen mine

Hell Roaring Creek Plutonic Metamorphic Complex

Late Cretaceous volcanogenic rocks and the Ermont Thrust

Virginia City geohazards and groundwater

Bannack history tours

Monday, July 28: post-meeting trip

Geology of the Nicholia Basin