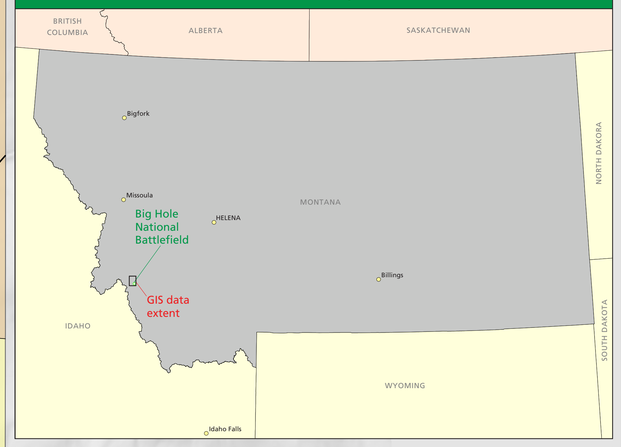
Big Hole National Battlefield

Montana

National Park Service
U.S. Department of the Interior

Geologic Resources Inventory
Natural Resource Stewardship and Science

Location Map



This map displays geologic map data adapted from the Montana Bureau of Mines and Geology, not yet compiled by the Geologic Resources Inventory (GRI). It is not a substitute for site-specific investigations. All products are available at https://go.nps.gov/gripubs.

Source Map:
Elliot, C. G. 2024. Geologic map of the Big Hole Battlefield 7.5' quadrangle, southwestern Montana (scale 1:24,000). Geologic map 97. Montana Bureau of Mines and Geology, Butte, Montana.

Source Scale: 1:24,000. According to US National Map Accuracy Standards, features are within 12 m (40 ft) of their true location.

Poster Layout: Trista L. Thornberry-Ehrlich (Colorado State University)

Poster Date: February 2025

LEGEND

- NPS boundary
- Highways and roads
- Trails
- Water
- Point of interest

Faults
solid bold where known or certain
- low-angle normal fault

Geologic Contacts
solid black where known or certain, gray where an internal quadrangle boundary, blue where a shoreline
- contact

Geologic Locations
- Barite vein
- Age-date sample (millions of years ago)

Geologic Units
- Qal — Alluvial deposits (Holocene)
- Qls — Landslide deposit (Pleistocene to Holocene)
- Qaf — Alluvial fan deposits (Pleistocene to Holocene)
- Qlk — Lacustrine deposits (Pleistocene to Holocene)
- Qgt — Glacial till (Pleistocene)
- QTdf — Debris flow (Miocene to Holocene)
- Tgr — Gravel (Miocene)
- Tfz — Fault zone rocks (Eocene to Oligocene)
- Tre — Renova Formation (Eocene to Oligocene)
- Tlcs — Sedimentary facies of the Lowland Creek volcanics (early Eocene)
- Tgbm — Biotite-muscovite granite (Paleogene)

Battle Mountain slopes beyond the tipi site. The slopes provided a vantage point for lookouts, but also high ground for the imminent attack. Photograph by T. L. Thornberry-Ehrlich taken in summer 2019.



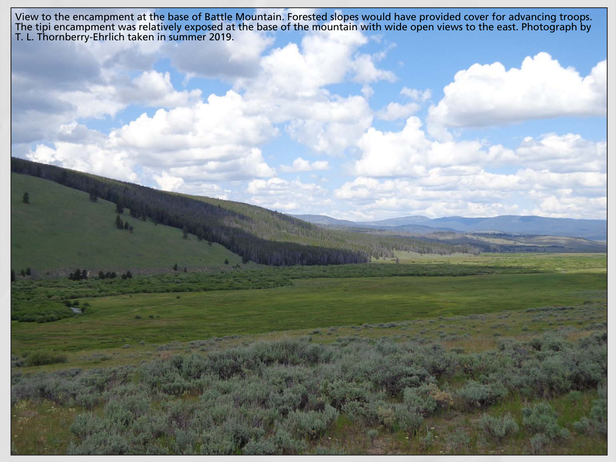
North Fork of the Big Hole River with Battle Mountain beyond. At the base of the mountain, the river meanders across its floodplain. At this point, it is not too wide or deep to cross. Photograph by T. L. Thornberry-Ehrlich taken in summer 2019.



Trail leading to the tipi site. The ground on either side of the trail is seasonally marshy and water saturated. Several ephemeral streams cross the floodplain at the base of Battle Mountain. Photograph by T. L. Thornberry-Ehrlich taken in summer 2019.



View to the encampment at the base of Battle Mountain. Forested slopes would have provided cover for advancing troops. The tipi encampment was relatively exposed at the base of the mountain with wide open views to the east. Photograph by T. L. Thornberry-Ehrlich taken in summer 2019.



North
0 1 Kilometer
0 1 Mile