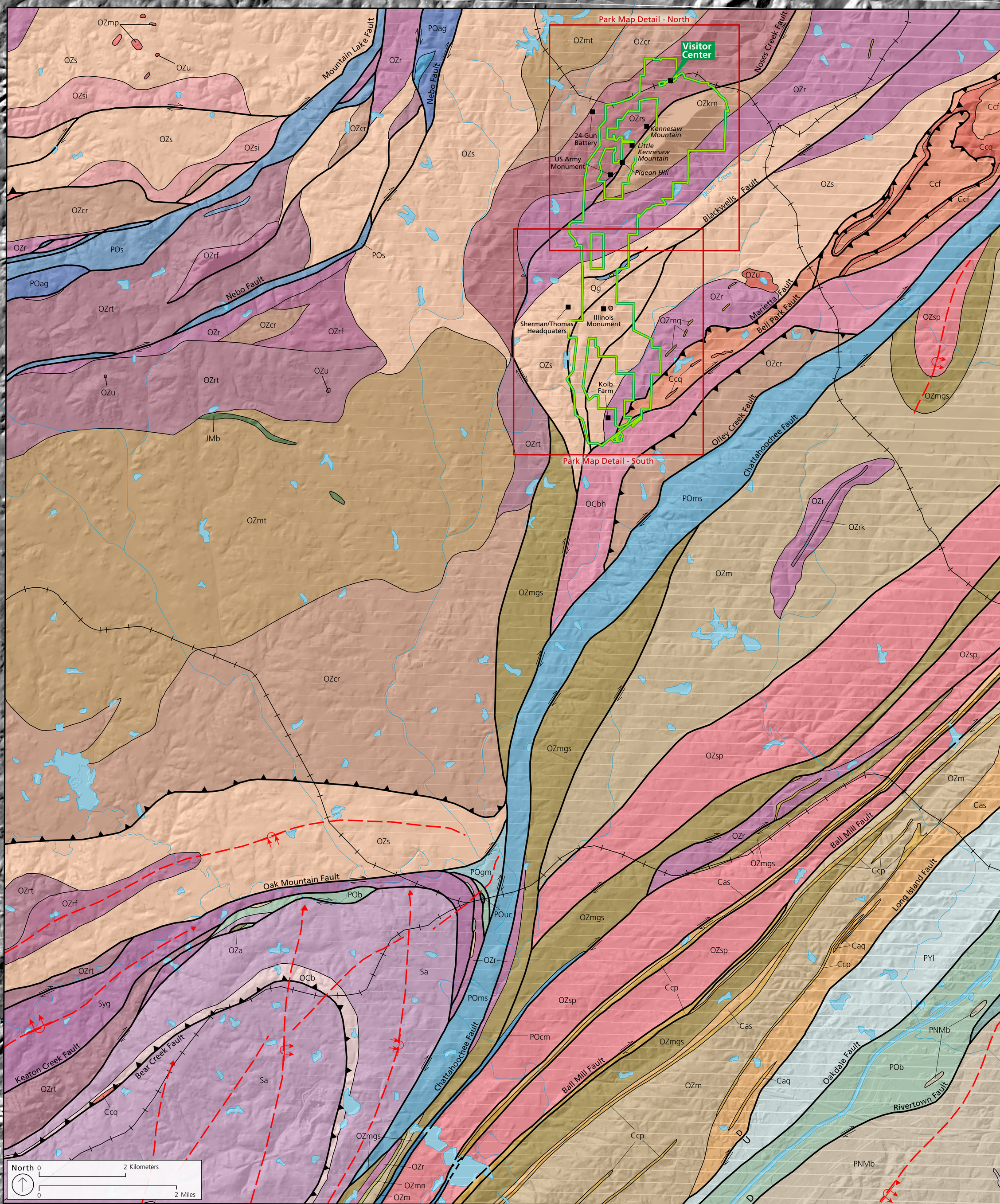
# Geologic Map of Kennesaw Mountain National Battlefield Park

Georgia

National Park Service
U.S. Department of the Interior

Geologic Resources Inventory
Natural Resource Stewardship and Science




**NPS Boundary**

**Point of Interest**

**Stream**

**Railroad**

**Folds**

- overturned synform, approximate
- overturned antiform, approximate
- fold axis, fold type unknown

**Faults**

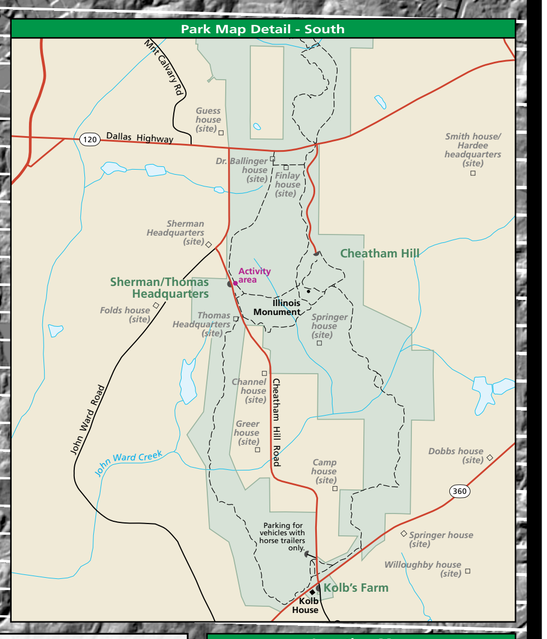
- thrust fault, known or certain, arrows indicate up-thrown block of fault
- right-lateral strike-slip fault, known or certain

**Geologic Contact**

- known or certain

**Geologic Units**

- Water
- Qg — Gossan (Holocene?)
- JMb — Metatrondhjemite breccia (Mississippian? to Jurassic?)
- PCmb — Mylonitized Ben Hill Granite (Mississippian to Permian?)
- POb — Button schist (Upper Ordovician? to Permian?)
- POcm — Mylonitized Chattahoochee Palisades Quartzite (Upper Ordovician? to Permian?)
- POgm — Mylonitized garnet schist (Upper Ordovician? to Permian?)
- POms — Button schist and sheared amphibolite derived by shearing of mixed unit Ozm (Upper Ordovician? to Permian?)
- POpa — Rocks of the Pine Mountain alteration zone (Upper Ordovician? to Permian?)
- POs — Garnet Hill type altered rocks (Upper Ordovician? to Permian?)
- POag — Chlorite schist (Upper Ordovician? to Permian?)
- POuc — Silicified schist and metagraywacke (Upper Ordovician? to Permian?)
- PYl — Long Island Creek Gneiss (Upper Ordovician? to Permian?)
- PNMb — Ben Hill Granite (Pennsylvanian and Mississippian)
- Dl — Lithonia Gneiss, undivided (Devonian)
- Sa — Austell Gneiss (Early Silurian)
- SYg — Gothards Creek Gneiss (Middle Proterozoic? to Lower Silurian?)
- OCb — Bill Arp Formation (Cambrian? to Lower Ordovician?)
- OCbh — Informal Schist of Hulett facies (Cambrian? to Lower Ordovician?)
- OZp — Paulding Volcanic-Plutonic Complex of the Paulding allochthon (Late Proterozoic? to Middle Ordovician?)
- OZmp — Metapyroxenite (Late Proterozoic? to Middle Ordovician?)
- OZu — Altered meta-ultramafic rock (Late Proterozoic? to Middle Ordovician?)
- OZs — Stonewall Gneiss (Late Proterozoic? to Middle Ordovician?)
- OZsp — Stonewall Gneiss, Powers Ferry Member (Late Proterozoic? to Middle Ordovician?)
- OZsi — Stonewall Gneiss, Slabs (Late Proterozoic? to Middle Ordovician?)
- OZa — Amphibolite (Late Proterozoic? to Middle Ordovician?)
- OZr — Ropes Creek Metabasalt (Late Proterozoic? to Middle Ordovician?)
- OZrk — Ropes Creek Metabasalt, kyanite quartzite (Late Proterozoic? to Middle Ordovician?)
- OZrt — Ropes Creek Metabasalt, amphibolite (Late Proterozoic? to Middle Ordovician?)
- OZrf — Ropes Creek Metabasalt, plagioclase-hornblende gneiss (Late Proterozoic? to Middle Ordovician?)
- OZcr — Crider Gneiss (Late Proterozoic? to Middle Ordovician?)
- OZmq — Magnetite quartzite (Late Proterozoic? to Middle Ordovician?)
- OZmt — Unmapped metatrondhjemite gneisses (Late Proterozoic? to Middle Ordovician?)
- OZkm — Informal migmatite of Kennesaw Mountain (Late Proterozoic? to Middle Ordovician?)
- OZrs — Spheroidally weathering amphibolite (Late Proterozoic? to Middle Ordovician?)
- OZm — Informal mixed unit (Late Proterozoic? to Middle Ordovician?)
- OZmgs — Informal mixed unit, garnet-rich schist (Late Proterozoic? to Middle Ordovician?)
- OZmn — Manganiferous schist and gondite (Late Proterozoic? to Middle Ordovician?)
- Ccf — Crawfish Creek Formation (Cambrian and Cambrian?)
- Ccq — Crawfish Creek Formation, clean quartzite unit (Cambrian and Cambrian?)
- Ccp — Chattahoochee Palisades Quartzite (Cambrian?)
- Cas — Aluminous schist unit (Cambrian?)
- Caq — Aluminous schist unit, Muscovite quartzite (Cambrian? )

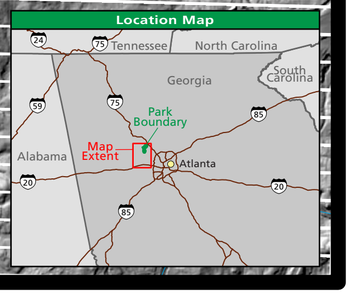



**All Geologic Resources Inventory geologic map data and publications are available at https://go.nps.gov/gripubs.**

**Source Map:** Higgins, M.W., T.J. Crawford, R.L. Atkins, and R.F. Crawford. 2003. Geologic map of the Atlanta 30 x 60 Quadrangle, Georgia (scale 1:100,000). Geologic Investigations Series Map I-2602. US Geological Survey, Reston, Virginia.

**Source Scale:** 1:100,000. According to US National Map accuracy standards, features are within 50 m (166 ft) of their true location.

**Poster Layout:** Georgia Hybels, Lucas Chappell, Thom Curdts (Colorado State University)

**Poster Date:** October 2021

**This map displays geologic map data compiled by the National Park Service Geologic resources Inventory. It is not a substitute for site-specific investigations.**