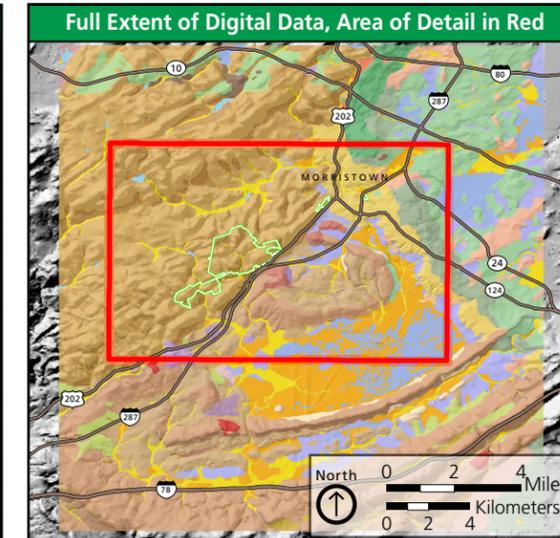
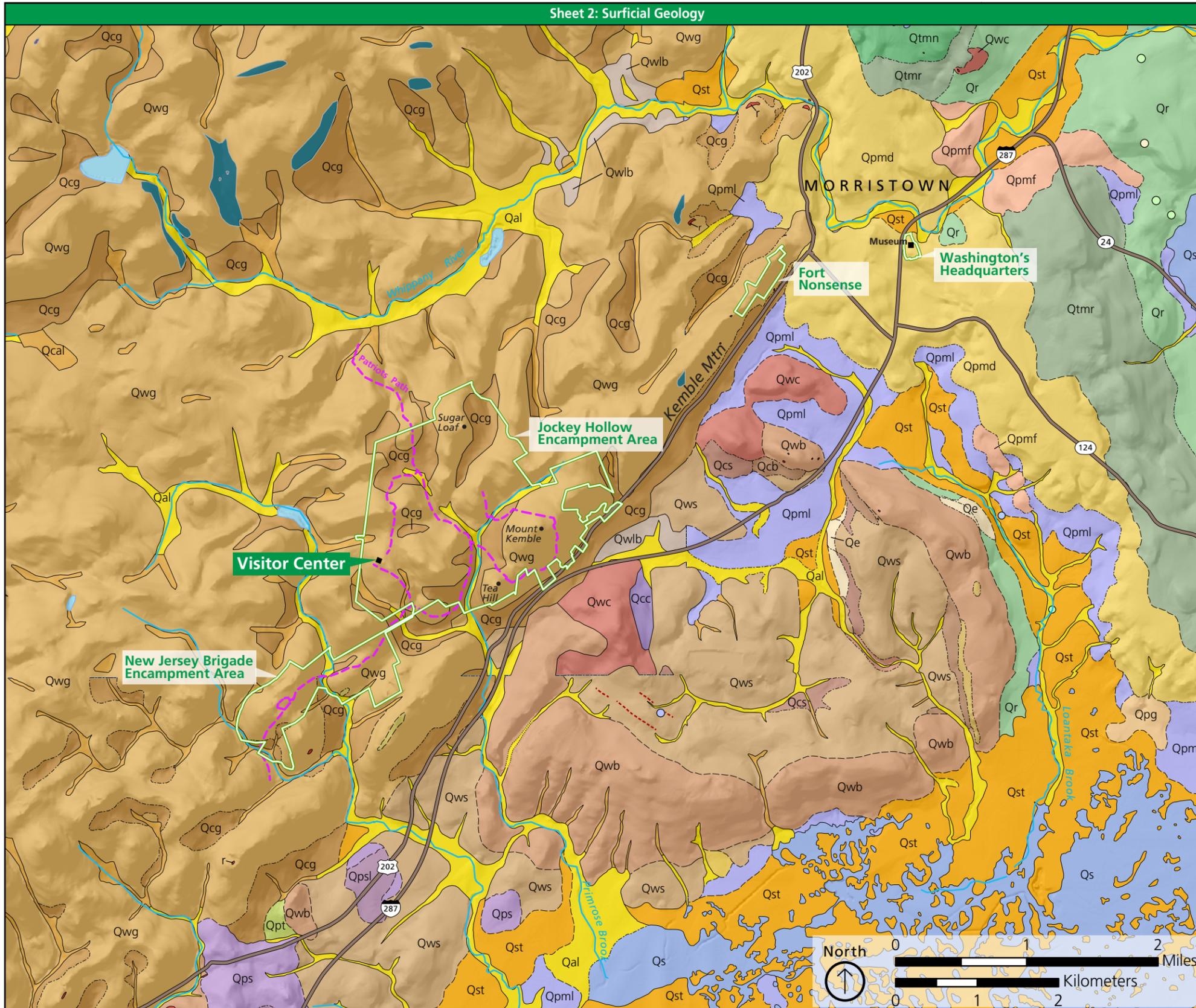




# Geologic Map of Morristown National Historical Park, New Jersey



- NPS Boundary**  
— NPS boundary
- Infrastructure**  
■ buildings  
- - park trails  
— highways
- Water Features**  
— rivers
- Ridge Crest Line Features**  
- - ridge crest, known or certain
- Bedrock Outcrop Boundaries**  
— known or certain

**Point Geologic Units**

- Qpml - Glacial Lake Passaic, lake-bottom deposits
- Qr - Rahway Till
- Qpmb - Moggy Hollow Stage of Lake Passaic, beach deposits
- Qpmf - Glacial Lake Passaic, lacustrine-fan deposits
- Qpc - Glacial Lake Passaic, deltaic and lacustrine-fan deposits
- Qwc - Weathered conglomerate
- Qb - Bergen Till

**Bedrock Outcrops**

- extensive outcrops
- scattered outcrops

**Surficial Geologic Contacts**

- contact - dashed where approximate; dotted where concealed
- water or shoreline

**Surficial Geologic Units selection**

- water
- Qal Alluvium
- Qs Swamp and marsh deposits
- Qaf Alluvial fan deposits
- Qcal Alluvium and colluvium, undivided
- Qe Eolian deposits
- Qst Stream terrace deposits
- Qpg Great Notch Stage deposits

- Qcc Conglomerate colluvium
- Qpml Glacial Lake Passaic, lake-bottom deposits
- Qcs Shale and sandstone colluvium
- Qcg Gneiss colluvium
- Qcb Basalt colluvium, blocky phase
- Qcbl Basalt colluvium, silty phase
- Qr Rahway Till
- Qtmr Rahway Till, terminal moraine
- Qtmn Netcong Till, terminal moraine
- Qpmd Glacial Lake Passaic, deltaic deposits
- Qpmf Glacial Lake Passaic, lacustrine-fan deposits
- Qwlb Late Wisconsinan glacial lake-bottom deposits
- Qwde Late Wisconsinan glacial delta deposits
- Qwc Weathered conglomerate
- Qwg Weathered gneiss
- Qwgt Weathered gneiss, thin or absent and fractured outcrops abundant
- Qwb Weathered basalt
- Qwbt Weathered basalt, thin or absent and fractured rock rubble abundant
- Qws Weathered shale and sandstone
- Qwst Weathered shale and sandstone, thin or absent and outcrops or shale-chip rubble abundant
- Qps Deltaic and lacustrine-fan deposits
- Qpsl Lake-bottom deposits
- Qpt Pre-Illinoian till
- r Bedrock

This figure was prepared as part of the NPS Geologic Resources Division's Geologic Resources Inventory. It is an overview of compiled digital geologic data, and not a substitute for site-specific investigations.

Minor inaccuracies may exist regarding the location of geologic features relative to other geologic or geographic features on the figure. Based on the source map scales (1:24,000 and 1:100,000) and U.S. National Map Accuracy Standards, geologic features represented here are within 12 meters / 40 feet (24k), 50 meters / 166 feet (100k) (horizontally) of their true location.

The source maps used in creation of the digital geologic data product include paper and digital New Jersey Geological Survey publications and paper U.S. Geological Survey Publications (see Geologic Map Data section for specific sources).

All digital geologic data and publications prepared as part of the Geologic Resources Inventory are available at the NPS Integrated Resource Management Applications Portal (IRMA): <https://irma.nps.gov/App/Reference/Search>. Enter "GRI" as the search text and select a park from the unit list.