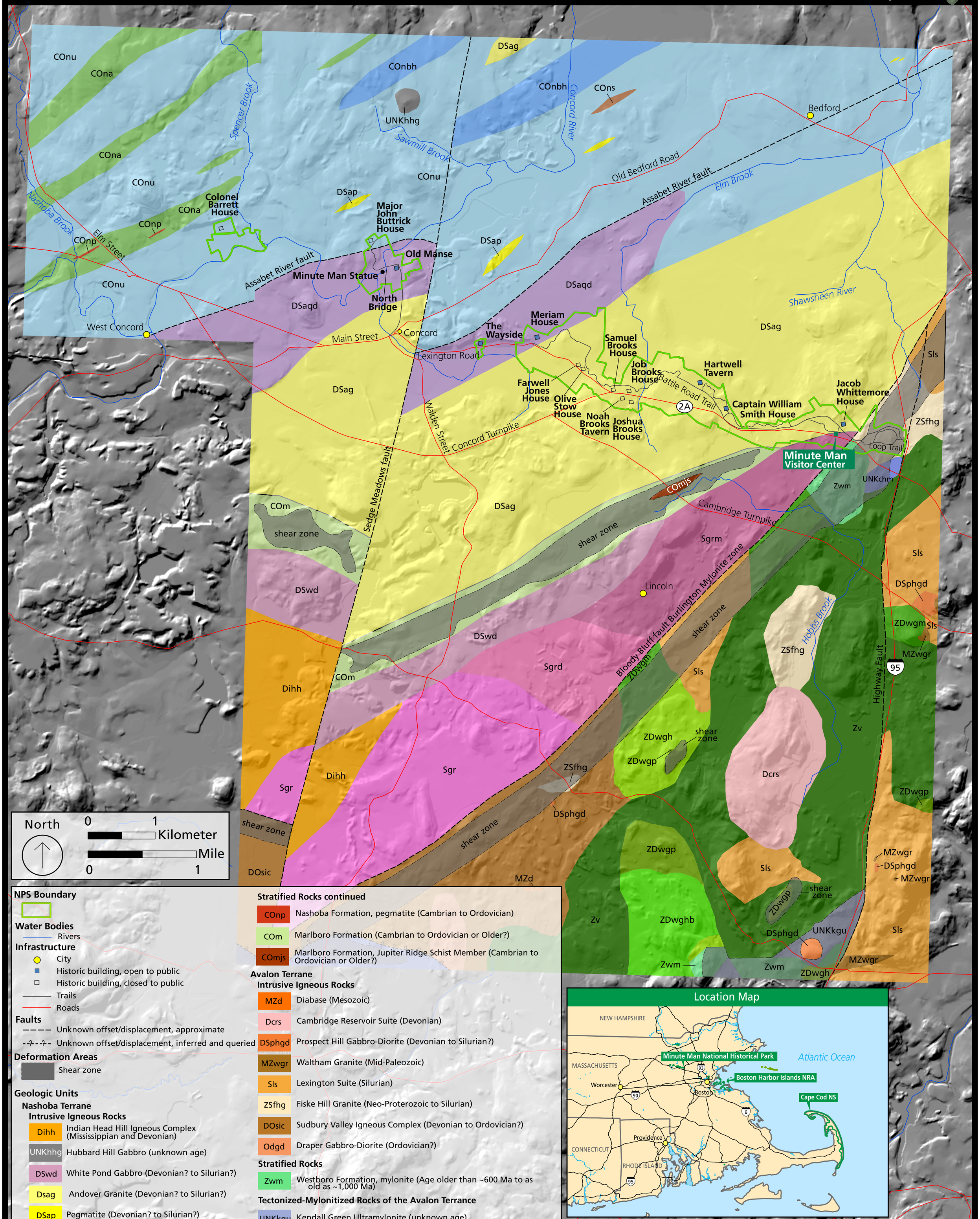
Bedrock Geologic Map of Minute Man National Historical Park

Massachusetts

National Park Service
U.S. Department of the Interior

Geologic Resources Inventory
Natural Resource Stewardship and Science





NPS Boundary

Water Bodies
- Rivers

Infrastructure
- City
- Historic building, open to public
- Historic building, closed to public
- Trails
- Roads

Faults
- Unknown offset/displacement, approximate
- Unknown offset/displacement, inferred and queried

Deformation Areas
- Shear zone

Geologic Units

Nashoba Terrane

Intrusive Igneous Rocks

Dihh	Indian Head Hill Igneous Complex (Mississippian and Devonian)
UNKhhg	Hubbard Hill Gabbro (unknown age)
DSwd	White Pond Gabbro (Devonian? to Silurian?)
Dsag	Andover Granite (Devonian? to Silurian?)
DSap	Pegmatite (Devonian? to Silurian?)
DSaqd	Assabet Quartz Diorite (Devonian? to Silurian?)
Sgr	Sudbury Granite (Silurian?)
Sgrd	Sudbury Granite, dark phase (Silurian?)
Sgrm	Sudbury Granite, mixed phase (Silurian?)

Stratified Rocks

COnu	Nashoba Formation, undifferentiated (Cambrian to Ordovician)
COnbh	Nashoba Formation, Balls Hill Gneiss (Cambrian to Ordovician)
COna	Nashoba Formation, amphibolite (Cambrian to Ordovician)
COns	Nashoba Formation, schist (Cambrian to Ordovician)
COnp	Nashoba Formation, pegmatite (Cambrian to Ordovician)
COm	Marlboro Formation (Cambrian to Ordovician or Older?)
COmjs	Marlboro Formation, Jupiter Ridge Schist Member (Cambrian to Ordovician or Older?)

Avalon Terrane

Intrusive Igneous Rocks

MZd	Diabase (Mesozoic)
Dcrs	Cambridge Reservoir Suite (Devonian)
DSphgd	Prospect Hill Gabbro-Diorite (Devonian to Silurian?)
MZwgr	Waltham Granite (Mid-Paleozoic)
Sls	Lexington Suite (Silurian)
ZSfhg	Fiske Hill Granite (Neo-Proterozoic to Silurian)
DOsic	Sudbury Valley Igneous Complex (Devonian to Ordovician?)
Odgd	Draper Gabbro-Diorite (Ordovician?)

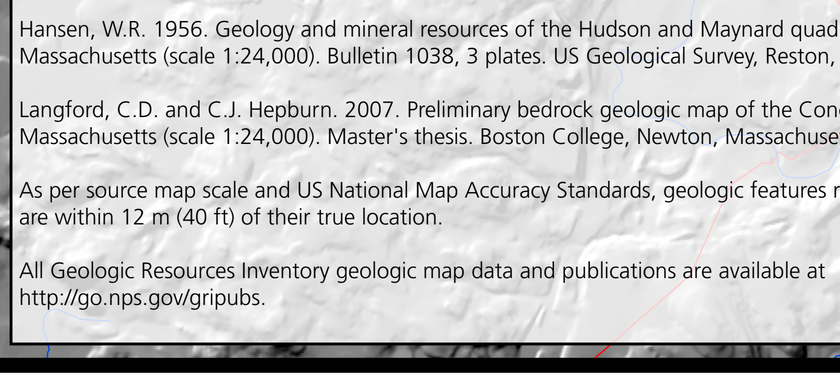
Stratified Rocks

Zwm	Westboro Formation, mylonite (Age older than ~600 Ma to as old as ~1,000 Ma)

Tectonized-Mylonitized Rocks of the Avalon Terrance

UNKkgu	Kendall Green Ultramylonite (unknown age)
UNKchm	Cranberry Hill Mylonite (unknown age)
Zhm	Haywood Brook Mylonite (Neo-Proterozoic?)
ZDwgh	Weston Group, Hornblende Member (Neo-Proterozoic to Devonian)
ZDwghb	Weston Group, Hornblende-Biotite Member (Neo-Proterozoic to Devonian)
ZDwgp	Weston Group, Plagioclase-Hornblende-Biotite Member (Neo-Proterozoic to Devonian)
ZDwgm	Weston Group, Mylonitized Member (Neo-Proterozoic to Devonian)
Zv	Mafic to Felsic Tectonite (Neo-Proterozoic)

Location Map



This map was produced by Kari Lanphier and Georgia Hybels (Colorado State University) in August 2017. It is an overview of compiled geologic data prepared as part of the NPS Geologic Resources Inventory. This map is not a substitute for site-specific investigations.

The source maps used in creation of the digital geologic data were:

Hansen, W.R. 1956. Geology and mineral resources of the Hudson and Maynard quadrangles, Massachusetts (scale 1:24,000). Bulletin 1038, 3 plates. US Geological Survey, Reston, Virginia.

Langford, C.D. and C.J. Hepburn. 2007. Preliminary bedrock geologic map of the Concord quadrangle, Massachusetts (scale 1:24,000). Master's thesis. Boston College, Newton, Massachusetts.

As per source map scale and US National Map Accuracy Standards, geologic features represented here are within 12 m (40 ft) of their true location.

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