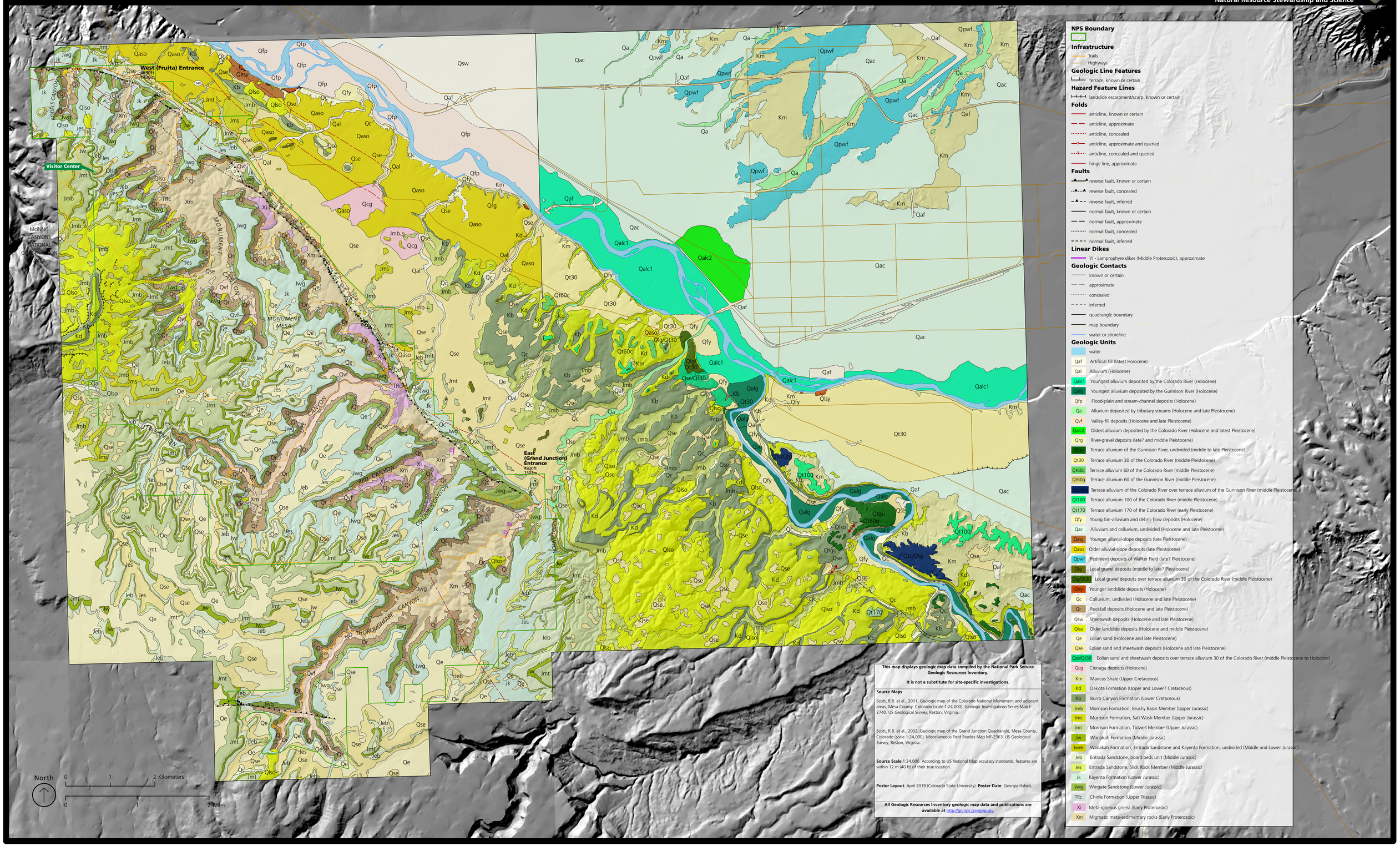
Geologic Map of Colorado National Monument

Colorado

National Park Service
U.S. Department of the Interior

Geologic Resources Inventory
Natural Resource Stewardship and Science



NPS Boundary

Infrastructure
- Trails
- Highways

Geologic Line Features
- terrace, known or certain

Hazard Feature Lines
- landslide escarpment/scarp, known or certain

Folds
- anticline, known or certain
- anticline, approximate
- anticline, concealed
- anticline, approximate and queried
- anticline, concealed and queried
- hinge line, approximate

Faults
- reverse fault, known or certain
- reverse fault, concealed
- reverse fault, inferred
- normal fault, known or certain
- normal fault, approximate
- normal fault, concealed
- normal fault, inferred

Linear Dikes
- Yl - Lamprophyre dikes (Middle Proterozoic), approximate

Geologic Contacts
- known or certain
- approximate
- concealed
- inferred
- quadrangle boundary
- map boundary
- water or shoreline

Geologic Units
- water
- Qaf — Artificial fill (latest Holocene)
- Qal — Alluvium (Holocene)
- Qalc1 — Youngest alluvium deposited by the Colorado River (Holocene)
- Qalg — Youngest alluvium deposited by the Gunnison River (Holocene)
- Qfp — Flood-plain and stream-channel deposits (Holocene)
- Qa — Alluvium deposited by tributary streams (Holocene and late Pleistocene)
- Qvf — Valley-fill deposits (Holocene and late Pleistocene)
- Qalc2 — Oldest alluvium deposited by the Colorado River (Holocene and latest Pleistocene)
- Qrg — River-gravel deposits (late? and middle Pleistocene)
- Qtgu — Terrace alluvium of the Gunnison River, undivided (middle to late Pleistocene)
- Qt30 — Terrace alluvium 30 of the Colorado River (middle Pleistocene)
- Qt60c — Terrace alluvium 60 of the Colorado River (middle Pleistocene)
- Qt60g — Terrace alluvium 60 of the Gunnison River (middle Pleistocene)
- Qtc/Qtg — Terrace alluvium of the Colorado River over terrace alluvium of the Gunnison River (middle Pleistocene)
- Qt100 — Terrace alluvium 100 of the Colorado River (middle Pleistocene)
- Qt170 — Terrace alluvium 170 of the Colorado River (early Pleistocene)
- Qfy — Young fan-alluvium and debris-flow deposits (Holocene)
- Qac — Alluvium and colluvium, undivided (Holocene and late Pleistocene)
- Qasy — Younger alluvial-slope deposits (late Pleistocene)
- Qaso — Older alluvial-slope deposits (late Pleistocene)
- Qpwf — Pediment deposits of Walker Field (late? Pleistocene)
- Qlg — Local gravel deposits (middle to late? Pleistocene)
- Qlg/Qt30 — Local gravel deposits over terrace alluvium 30 of the Colorado River (middle Pleistocene)
- Qlsy — Younger landslide deposits (Holocene)
- Qc — Colluvium, undivided (Holocene and late Pleistocene)
- Qr — Rockfall deposits (Holocene and late Pleistocene)
- Qsw — Sheetwash deposits (Holocene and late Pleistocene)
- Qlso — Older landslide deposits (Holocene and middle Pleistocene)
- Qe — Eolian sand (Holocene and late Pleistocene)
- Qse — Eolian sand and sheetwash deposits (Holocene and late Pleistocene)
- Qse/Qt30 — Eolian sand and sheetwash deposits over terrace alluvium 30 of the Colorado River (middle Pleistocene to Holocene)
- Qcg — Cienaga deposits (Holocene)
- Km — Mancos Shale (Upper Cretaceous)
- Kd — Dakota Formation (Upper and Lower? Cretaceous)
- Kb — Burro Canyon Formation (Lower Cretaceous)
- Jmb — Morrison Formation, Brushy Basin Member (Upper Jurassic)
- Jms — Morrison Formation, Salt Wash Member (Upper Jurassic)
- Jmt — Morrison Formation, Tidwell Member (Upper Jurassic)
- Jw — Wanakah Formation (Middle Jurassic)
- Jwek — Wanakah Formation, Entrada Sandstone and Kayenta Formation, undivided (Middle and Lower Jurassic)
- Jeb — Entrada Sandstone, board beds unit (Middle Jurassic)
- Jes — Entrada Sandstone, Slick Rock Member (Middle Jurassic)
- Jk — Kayenta Formation (Lower Jurassic)
- Jwg — Wingate Sandstone (Lower Jurassic)
- TRc — Chinle Formation (Upper Triassic)
- Xi — Meta-igneous gneiss (Early Proterozoic)
- Xm — Migmatic meta-sedimentary rocks (Early Proterozoic)

This map displays geologic map data compiled by the National Park Service Geologic Resources Inventory.

It is not a substitute for site-specific investigations.

Source Maps

Scott, R.B. et al., 2001, Geologic map of the Colorado National Monument and adjacent areas, Mesa County, Colorado (scale 1:24,000). Geologic Investigations Series Map I-2740. US Geological Survey, Reston, Virginia.

Scott, R.B. et al., 2002, Geologic map of the Grand Junction Quadrangle, Mesa County, Colorado (scale 1:24,000). Miscellaneous Field Studies Map MF-2363. US Geological Survey, Reston, Virginia.

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

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