Geologic Map of Canyonlands National Park

Utah

National Park Service
U.S. Department of the Interior

Geologic Resources Inventory

NPS Boundary

Infrastructure
- points of interest
- roads

Folds
- anticline, known or certain, inferred, concealed
- syncline, known or certain, inferred, concealed

Faults
- fault, known or certain, inferred, conedcealed up and down side indicated

Geologic Units

water	
Qd	Dune sand (Quaternary)
Qs	Landslide deposits (Quaternary)
Qal	Alluvium and terrace gravel (Quaternary)
TKdp	Quartz diorite porphry (Tertiary)
Km	Mancos Shale (Cretaceous)
Kdb	Dakota Sandstone, Burro Canyon Formation (Cretaceous)
Jm	Morrison Formation (Jurassic)
Js	Summerville Formation (Jurassic)
Je	Entrada Sandstone (Jurassic)
Jc	Carmel Formation (Jurassic)
JTRn	Navajo Sandstone (Jurrasic)
TRk	Kayenta Formation (Triassic)
TRw	Wingate Formation (Triassic)
TRc	Chinle Formation (Triassic)
TRm	Moenkopi Formation (Triassic)
PPNu	Cutler Group, undivided (Permian and Pennsylvanian)
Pw	White Rim Sandstone (Permian)
Po	Organ Rock Shale (Permian)
Puo	Undivided Cutler Group - Organ Rock Shale transition (Permian)
Pc	Cedar Mesa Sandstone (Permian)
Puc	Undivided Cutler - Cedar Mesa Sandstone transition (Permian)
PNe	Elephant Canyon Formation (Pennsylvanian)
PNhae	Halgaito Shale - Elephant Canyon Formation transition (Pennsylvanian)
PNha	Halgaito Shale (Pennsylvanian)
PNh	Honaker Trail Formation (Pennsylvanian)
PNp	Paradox Formation (Pennsylvanian)

ARCHES NATIONAL PARK

HORSESHOE CANYON UNIT

GLEN CANYON NATIONAL RECREATION AREA

ISLAND IN THE SKY

THE MAZE

THE NEEDLES

Island in the Sky Visitor Center

Needles Visitor Center

Green River Overlook 6000ft 1829m

Buck Canyon Overlook 6240ft 1902m

Grand View Point Overlook 6080ft 1853m

Needles Overlook 6233ft 1919m

Maze Overlook 5120ft 1561m

Colorado River Overlook 4880ft 1487m

Confluence Overlook 4880ft 1487m

Big Spring Canyon Overlook 4880ft 1487m

Bagpipe Butte Overlook

Candlestick Tower 5865ft 1788m

Ekker Butte 6226ft 1898m

Elaterite Butte 6552ft 1997m

Chimney Rock 5563ft 1696m

Bagpipe Butte 6679ft 2036m

Teapot Rock 6221ft 1896m

Cathedral Point 7120ft 2170m

Cedar Mesa 6987ft 2130m

Cathedral Butte 7040ft 2420m

North Sixshooter Peak 6374ft 1943m

South Sixshooter Peak 6132ft 1869m

Buttes of the Cross

Gray's Pasture Syncline

Kings Bottom Syncline

Cane Creek Anticline

Shafer Dome

Lockhart Anticline

Rustlers Dome

Gibson Dome

Indian Creek Syncline

Horse Spring Anticline

Upheaval Dome

Holeman Spring Basin

Soda Springs Basin

Petes Mesa

Elaterite Basin

Standing Rocks

Ernies Country

The Fins

Land of

Taylor Canyon

Buck Mesa

Horsethief Canyon

Stillwater Canyon

Green River

Colorado River

Lake Powell

North

0 5 10 Kilometers

0 5 10 Miles

This map was produced by Max Jackl (Colorado State University) in May 2013. 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 map used in creation of the digital geologic data was:

Huntoon, P.W. Billingsley, G.H. and Breed, W.J. 1982. Geologic Map of the Canyonlands National Park and vicinity, Utah (scale 1:62,500). Canyonlands National History Association.

As per source map scale and U.S. National Map Accuracy Standards, geologic features represented here are within 32 m (104 ft) of their true location.

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.