Bryce Canyon National Park Geology

Utah

National Park Service
U.S. Department of the Interior

Geologic Resources Division
Natural Resources Stewardship and Science

Bryce Canyon City
Visitor Center
Sunrise Point
8017 ft
2444 m
Sunset Point
8000 ft
2438 m
Inspiration Point
8296 ft
2529 m
Bryce Point
8100 ft
2469 m
Paria View
8176 ft
2492 m
Fairyland Point
7758 ft
2365 m
Shakespear Point
7842 ft
2390 m
Swamp Canyon
7998 ft
2438 m
Piracy Point
Farview Point
Natural Bridge
Agua Canyon
Ponderosa Canyon
8766 ft
2672 m
Black Birch Canyon
Rainbow Point
9115 ft
2778 m
Yovimpa Point
Tropic Reservoir
Pine Hills Thrust Fault
Ruby's Inn Thrust Fault
Fairyland Fault
Paunsaugunt Fault Zone (northeast segment)
Paunsaugunt Fault Zone
PAUNSAUGUNT PLATEAU
BOAT MESA
PINK CLIFFS
TROPIC CANYON
BRYCE CANYON
Bryce Point Fault
12
22
63

NPS Boundary

Infrastructure
- points of interest
- cities
- trails
- roads

Folds
- anticline: known or certain, concealed
- syncline: known or certain, concealed
- overturned syncline: known or certain, concealed
- monocline, anticlinal bend: known or certain, approximate
- asymmetrical syncline: known or certain, concealed (arrow indicates plunge direction)

Faults
- thrust fault: known or certain, approximate, concealed
- normal fault: known or certain (bar and ball indicate down side)
- left-lateral fault: vertical displacement/offset unknown, approximate

Linear Geologic Units
- Jcul - Carmel Formation, limestone member, approximate

Geologic Contacts
- known or certain
- approximate
- water or shoreline
- map boundary

Geologic Units
- Qal Alluvium
- Qc Colluvium
- Qls Landslide deposits
- Qoac Older alluvium and colluvium
- Qp Pediment deposits
- QTsr Sevier Formation
- Tbm Conglomerate of Boat Mesa
- Tcw Claron Formation, white limestone member
- Tcp Claron Formation, pink limestone member
- Kk Kaiporowitz Formation
- Kw Waheep Formation
- Ksu Straight Cliffs Formation, upper part
- Ksl Straight Cliffs Formation, lower part
- Kt Tropic Shale
- Kd Dakota Sandstone
- Je Entrada Sandstone
- Jcu Carmel Formation, upper member
- Jcgt Carmel Formation, gypsiferous member
- Jcb Carmel Formation, banded member
- Jcl Carmel Formation, limestone member
- water

North

0 1 2 3 Miles

0 1 2 3 Kilometers

This map was produced by Max Jackl (Colorado State University) in April 2013. It is an overview of compiled geologic data prepared as part of the NPS Geologic Resources Inventory. It is not a substitute for site-specific investigations.

The source map used in creation of the digital geologic data was:

Bowers, W.E. 1990. Geologic Map of Bryce Canyon National Park and Vicinity, Southwestern Utah (scale 1:24,000). Miscellaneous Investigations Series Map, I-2108. U.S. Geological Survey.

As per source map scale and U.S. National Map Accuracy Standards, geologic features represented here are within 12 m (40 ft) (1:24,000 scale data) 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.