Geologic Map of Petroglyph National Monument

New Mexico

National Park Service
U.S. Department of the Interior

Geologic Resources Inventory
Natural Resource Stewardship and Science

Zia fault, Centipede segment
Star Heights fault zone
Star Heights fault zone
East Paradise fault
West Paradise fault
Piedras Marcadas Canyon Area
Northern Geologic Window
Southern Geologic Window
Boca Negra Canyon Area
Visitor Center
Rinconada Canyon Area
Volcanoes Area
Butte Volcano
Bond Volcano
Vulcan Volcano
Black Volcano
JA Volcano
MESA PRIETA
North Boca Negra Arroyo
South Boca Negra Arroyo
North San Antonio Arroyo
Middle San Antonio Arroyo
North Rinconada Arroyo
South Rinconada Arroyo
Mountainview fault zone(?)
County Dump fault
Zia fault
Atrisco-Barelas zone
Rio Grande
45
345
40
25

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 Map
S.D. Connell. 2006. Preliminary geologic map of the Albuquerque-Rio Rancho metropolitan area and vicinity, Bernalillo and Sandoval Counties, New Mexico (scale 1:50,000). OFR-496, 2 plates, version 2. New Mexico Bureau of Geology and Mineral Resources, Socorro, New Mexico.

Source Scale 1:50,000
According to US National Map accuracy standards, features are within 25 m (83 ft) of their true location.

Poster Layout
Dalton Meyer (Colorado State University)
Poster Date
September 2017
GRI Data Date
2007
Source Map Date
2006

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

North
0 1 Kilometers
0 1 Miles

Full Extent of Digital Data

Map Extent
Petroglyph National Monument
Albuquerque
Rio Grande
0 2 4 Kilometers
0 2 4 Miles

NPS Boundary

Volcanic Point Features
- Vent

Infrastructure
- Point of interest
- Roads

Geologic Line Features
- Terrace margin

Folds: Dashed where approximate, dotted where concealed
- Anticline
- Syncline
- Monocline

Normal faults: Dashed where approximate, dotted where concealed, "?" where queried. Bar and ball on downthrown side, or U, upthrown side D, downthrown side.

Geologic Contacts
- Known or certain
- Approximate
- Quadrangle boundary

Geologic Units
- Water
- af — Disturbed land, artificial fill (modern)
- Qa — Stream-valley alluvium, modern (historic - Holocene)

Las Padillas Formation
- Qrpc — Las Padillas Fm, channel deposits (historical - upper Holocene)
- Qrpf — Las Padillas Fm, floodplain deposits (historical - upper Holocene)

Las Padillas Formation
- Qrpy — Las Padillas Fm, younger channel, floodplain (historical - upper Holocene)
- Qrpyc — Las Padillas Fm, younger channel (historical - upper Holocene)
- Qrpm — Las Padillas Fm, intermediate channel, floodplain (historical - upper Holocene)
- Qrpmc — Las Padillas Fm, intermediate channel deposits (historical - upper Holocene)
- Qrpo — Las Padillas Fm, oldest channel, floodplain (historical - upper Holocene)
- Qrpoc — Las Padillas Fm, oldest channel (historical - upper Holocene)
- Qay — Stream-valley alluvium, younger subunits (Holocene - upper Pleistocene)
- Qe — Eolian sand (Holocene - upper Pleistocene)
- Qed — Eolian sand dune (Holocene - upper Pleistocene)
- Qpl — Playa-lake deposits (upper Holocene - Pleistocene)
- Qae — Eolian sand, alluvium, undivided (upper Holocene - Pleistocene)
- Qca — Colluvium, alluvium, undivided (Holocene - Pleistocene)
- Qra — Arenal Fm (upper Pleistocene)
- Qam — Stream-valley alluvium, undivided intermediate subunits (upper - middle Pleistocene)
- Qrd — Los Duranes Fm (middle Pleistocene)
- Qbv — Albuquerque volcanoes, vent (middle Pleistocene)
- Qb5 — Albuquerque volcanoes, flow 5 (middle Pleistocene)
- Qrm — Los Duranes Fm, Menaul Mbr (middle Pleistocene)
- Qb4 — Albuquerque volcanoes, flow 4 (middle Pleistocene)
- Qb3 — Albuquerque volcanoes, flow 3 (middle Pleistocene)
- Qb2 — Albuquerque volcanoes, flow 2 (middle Pleistocene)
- Qb1 — Albuquerque volcanoes, flow 1 (middle Pleistocene)
- Qao — Stream-valley alluvium, undivided older subunits (middle Pleistocene)
- Qrl — Lomatas Negras Fm (middle Pleistocene)
- QTc — Calabacillas Fm (middle Pleistocene - lower Pliocene?)
- Tcrg — Ceja Fm, upper sand and gravel mbr (lowest Pleistocene? - Pliocene)