

# Geologic Map of Gila Cliff Dwellings National Monument

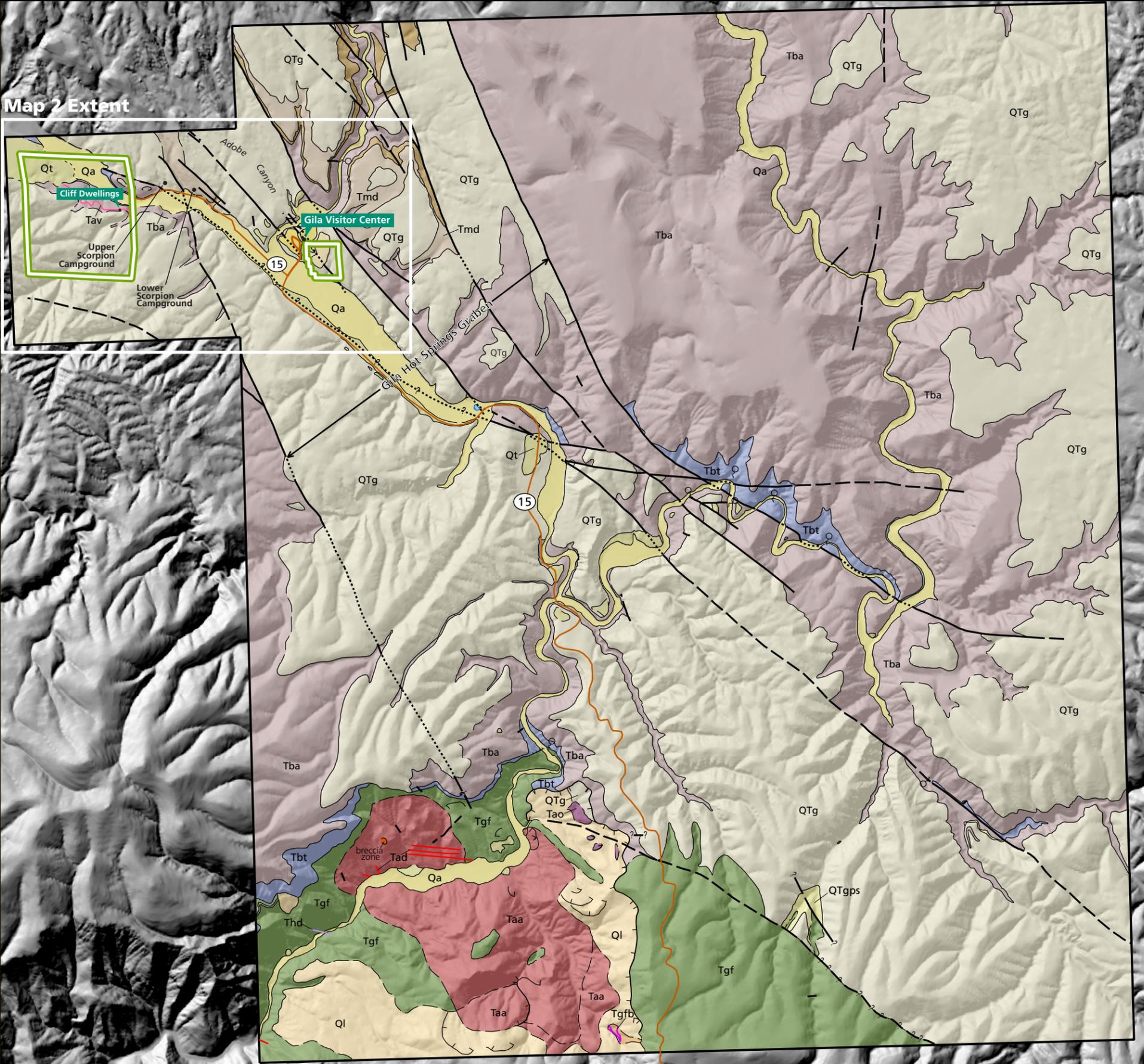
New Mexico

National Park Service  
U.S. Department of the Interior

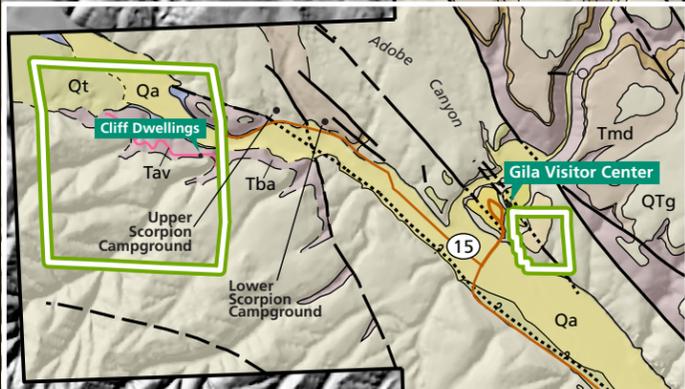


Geologic Resources Inventory

Map 1



Map 2 Extent



<p><b>NPS Boundary</b></p> <p> NPS Boundary</p> <p><b>Infrastructure</b></p> <p> point of interest</p> <p> road</p> <p><b>Geologic Point Features</b></p> <p> individual spring</p> <p><b>Linear Geologic Units</b></p> <p> Tav - Volcaniclastic rocks of Adobe Canyon (Oligocene to Miocene), known or certain</p> <p> Tgfb - Lava flows and associated volcanic rocks of Gila Flat, basaltic lava flows (Oligocene), known or certain</p> <p><b>Volcanic Line Features</b></p> <p> caldera boundary, known or certain</p> <p> caldera boundary, concealed</p> <p><b>Hazard Feature Lines</b></p> <p> landslide escarpment/scarp</p> <p><b>Linear Dikes</b></p> <p> Tad - Andesite dikes (Oligocene?), known or certain</p> <p> Thd - Andesite dikes, hornblende bearing (Oligocene?), known or certain</p> <p> Thd - Andesite dikes, hornblende bearing (Oligocene?), concealed</p> <p><b>Faults</b></p> <p> unknown offset/displacement, solid where known, dashed where approximate, dotted where concealed, and '?' indicates queried</p>	<p><b>Deformation Area Boundaries</b></p> <p> approximate</p> <p><b>Deformation Areas</b></p> <p> breccia zone</p> <p><b>Geologic Contacts</b></p> <p> solid where known, dashed where approximate, dotted where concealed, and '?' indicates queried</p> <p> water or shoreline</p> <p><b>Geologic Units</b></p> <p> water</p> <p> Qa Alluvium (Holocene)</p> <p> Qf Alluvial fan deposit (Holocene)</p> <p> Ql Landslide deposits (Holocene and/or Pleistocene)</p> <p> Qt Alluvial terrace deposits (Holocene? and Pleistocene)</p> <p> Qt1 Highest perched terrace deposits (Holocene? and Pleistocene)</p> <p> Qt2 Middle perched terrace deposits (Pleistocene)</p> <p> Qt3 Lowest perched terrace deposits (Pleistocene)</p> <p> QTg Gila Group, aka Gila Conglomerate (Oligocene to Miocene)</p> <p> QTgps Gila Group, sandstone facies (Oligocene to Miocene)</p> <p> Tmd Andesitic to dacitic lava flows of the Middle Fork Gila River (Oligocene to Miocene)</p>	<p>North </p> <p>0 1 2 3 Kilometers</p> <p>0 1 2 3 Miles</p> <p><b>Tav</b> Volcaniclastic rocks of Adobe Canyon (Oligocene to Miocene)</p> <p><b>Tba</b> Bearallow Mountain Andesite (Oligocene to Miocene)</p> <p><b>Tbt</b> Bloodgood Canyon Tuff (Oligocene)</p> <p><b>Tmh</b> Andesite of Murtocks Hole (Oligocene)</p> <p><b>Tsp</b> Shelly Peak Tuff (Oligocene)</p> <p><b>Tao</b> Older ignimbrites, undivided (Oligocene)</p> <p><b>Tgf</b> Lava flows and associated volcanic rocks of Gila Flat (Oligocene)</p> <p><b>Tgfss</b> Lava flows and associated volcanic rocks of Gila Flat, sandstone member (Oligocene)</p> <p><b>Taa</b> Rhyolite of the Alum Mountain eruptive center (Oligocene)</p>	<p>This map was produced by James Winter (Colorado State University) in August 2014. 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.</p> <p>The source map used in creation of the digital geologic data was:</p> <p>Ratté, J. C., D. L. Gaskill, and J. R. Chappell. 2014. Geologic map of the Gila Hot Springs 7.5' quadrangle and the Cliff Dwellings National Monument, Catron and Grant counties, New Mexico (scale 1:24,000). Open-File Report OFR-2014-1036. US Geological Survey, Denver, Colorado.</p> <p>As per source map scale and U.S. National Map Accuracy Standards, geologic features represented here are within 12 m (40 ft) of their true location.</p> <p>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): <a href="https://irma.nps.gov/App/Reference/Search">https://irma.nps.gov/App/Reference/Search</a>. Enter "GRI" as the search text and select a park from the unit list.</p>
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