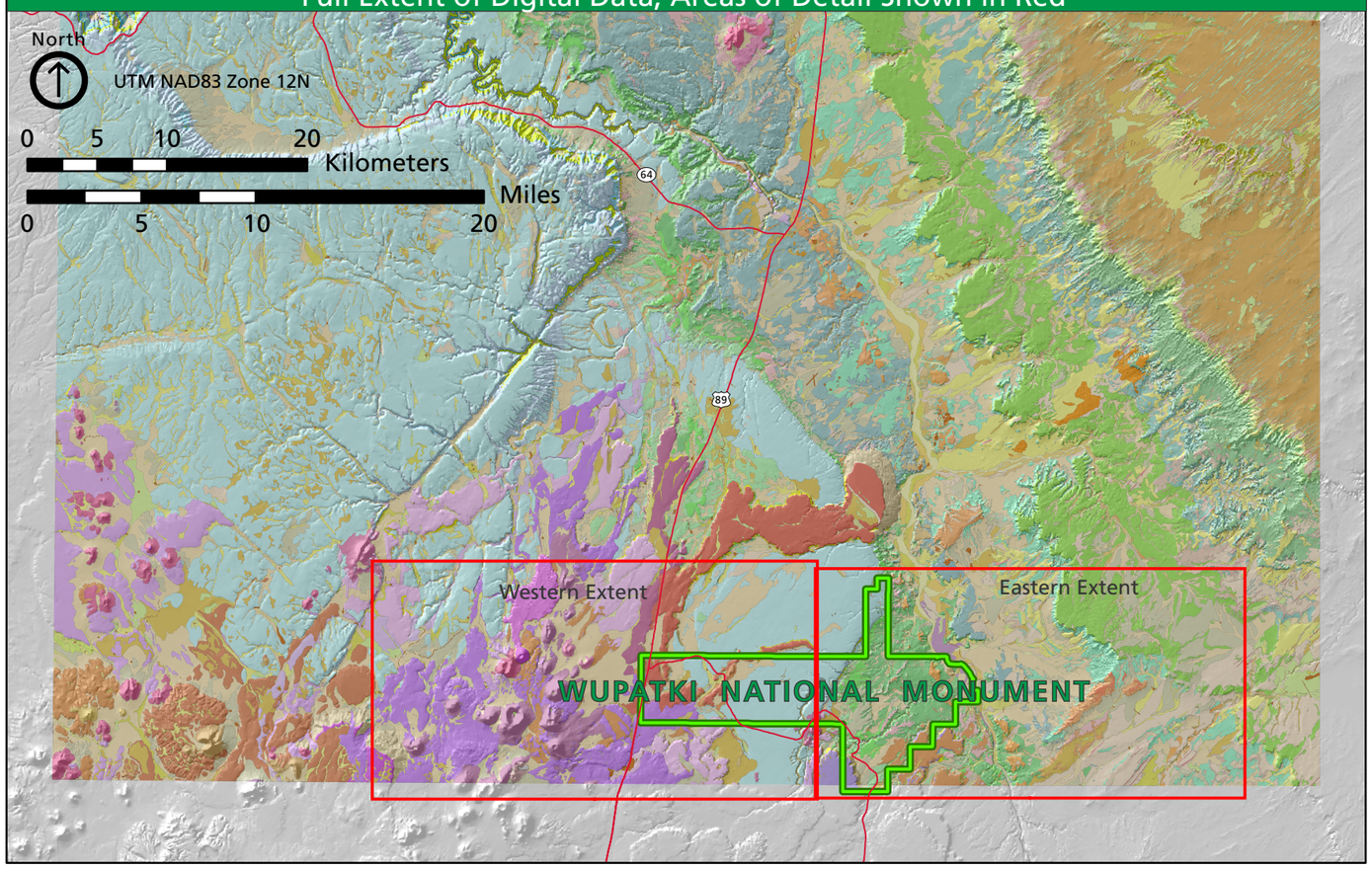
Overview of Digital Geologic Data for Wupatki NM

Full Extent of Digital Data, Areas of Detail Shown in Red



NPS Boundary

Roads

Hazard Point Features
- sinkhole

Geologic Point Features
- breccia pipe
- collapse structure

Volcanic Vents
- vent

Volcanic Line Features
- basalt flow direction

Open Fractures
- Open fracture with offset
- Open fracture without offset

Folds
- syncline, known or certain
- syncline, concealed
- monocline, known or certain
- monocline, concealed

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

Geologic Contacts
- known or certain
- concealed
- inferred
- map boundary

This figure is an overview of compiled digital geologic data. It is not a substitute for site-specific investigations.

Minor inaccuracies may exist regarding the location of geologic features relative to other geologic or geographic features on the figure. Based on the source map scale (1:100,000) and U.S. National Map Accuracy Standards, geologic features represented here are within 51 meters /167 feet (horizontally) of their true location.

This figure was prepared as part of the NPS Geologic Resources Division's Geologic Resources Inventory. The source maps used in creation of the digital geologic data product were:

Billingsley, G. H., S. S. Priest, and T. J. Felger, 2007. Geologic map of the Cameron 30' x 60' quadrangle, Coconino County, northern Arizona (scale 1:100,000). Scientific Investigations Map 2977. U.S. Geological Survey.

Billingsley, G. H., S. S. Priest, and T. J. Felger, 2007. Geologic map of Wupatki National Monument and vicinity, Coconino County, northern Arizona (scale 1:24,000). Scientific Investigations Map 2958. U.S. Geological Survey.

Digital geologic data and cross sections for Wupatki National Memorial, and all other digital geologic data prepared as part of the Geologic Resources Inventory, are available online at the NPS Natural Resource Information Portal: https://nrinfo.nps.gov/Reference.mvc/Search. (Enter "GRI" as the search text and select Wupatki National Memorial from the unit list.)

Geologic Units
- Qaf - Artificial fill and quarries
- Qs - Stream-channel deposits
- Qf - Flood-plain deposits
- Qd - Dune sand and sand sheet deposits
- Qes - Young eolian sand sheet deposits
- Qdl - Young linear dune deposits
- Qdp - Young parabolic dune deposits
- Qdb - Young barchan dune deposits
- Qg1 - Young terrace-gravel deposits
- Qa1 - Young alluvial fan deposits
- Qg2 - Intermediate terrace-gravel deposits
- Qa2 - Intermediate alluvial fan deposits
- Qps - Ponded sediments
- Qae - Young mixed alluvium and eolian deposits
- Qdc - Eolian cinder dune deposits
- Qsc - Eolian cinder sand sheet deposits
- Qtr - Talus and rock fall deposits
- Ql - Landslide deposits
- Qv - Valley-fill deposits
- Qg3 - Old terrace-gravel deposits
- Qa3 - Old alluvial fan deposits
- QTd - Old dune deposits, undivided
- QTdl - Old linear dune deposits
- QTdp - Old parabolic dune deposits
- QTes - Old eolian sand sheet and dune deposits
- QTae - Old mixed alluvium and eolian deposits
- QTg4 - Older terrace-gravel deposits
- QTa - Older alluvial fan deposits
- QTg5 - Oldest terrace-gravel deposits
- Qmcb - basalt flow of Merriam Crater
- Qyap - basaltic pyroclastic deposits of SP Mountain
- Qyab - basaltic andesite of SP Mountain
- Qyp - pyroclastic deposits of five young cinder cones
- Qyb - basalt flow of five young cinder cones
- Qsp - pyroclastic deposits of Shadow Mountain
- Qsb - basalt flows of Shadow Mountain
- Qp - pyroclastic deposits
- Qb - basalt flows
- Qbt - basalt flow of Tappan Wash
- Qbf - fissure deposits of Lockett Tank
- Qbmp - pyroclastic deposits
- Qbmb - basalt flows
- Qsfp - pumice of San Francisco Mountain
- Qmbi - basalt dike
- Qmp - pyroclastic deposits
- Qmb - basalt flows
- Qmlp - basalt flow of Lava Point
- Qslr - rhyolite dome complex of Slate Mountain
- Qwb - basalt flows of Woodhouse Mesa
- QTi - intrusive dike or plug
- QTp - pyroclastic deposits
- QTb - basalt flows
- QTap - basalt and andesite pyroclastic deposits
- QTab - basalt and andesite flows
- Tbi - dike in ampitheater
- Tp - pyroclastic deposits
- Tb - basalt flows
- Tbpb - Black Point Basalt
- Tocb - basalt flow of Cedar Ranch Mesa
- Ts - Old stream-channel deposits
- Km - Mancos Shale
- Kd - Dakota Sandstone
- Je - Entrada and Cow Springs Sandstone, undivided
- Jn - Navajo Sandstone
- Jkn - Kayenta Formation - Navajo Sandstone transition zone
- Jk - Kayenta Formation
- Jm - Moenave Formation
- TRco - Chinle Formation, Owl Rock Member
- TRcp - Chinle Formation, Petrified Forest Member
- TRcs - Chinle Formation, Shinarump Member & sandstone and siltstone
- TRm - Moenkopi Formation, undivided
- TRmhm - Moenkopi Formation, Holbrook and Moqui Members, undivided
- TRmss - Moenkopi Formation, Shnabkaib Member & lower massive sandstone
- TRmw - Moenkopi Formation, Wupatki Member
- Pk - Kaibab Formation, undivided
- Pkh - Kaibab Formation, Harrisburg Member
- Pkf - Kaibab Formation, Fossil Mountain Member
- Pt - Toroweap Formation, undivided
- Pc - Coconino Sandstone and Schnebley Hill Formation, undivided
- Ph - Hermit Formation
- Pe - Supai Group, Esplanade Sandstone
- PNMs - Supai Group, undivided
- Mr - Redwall Limestone, undivided
- Dtb - Temple Butte Formation
- Cm - Tonto Group, Muav Limestone