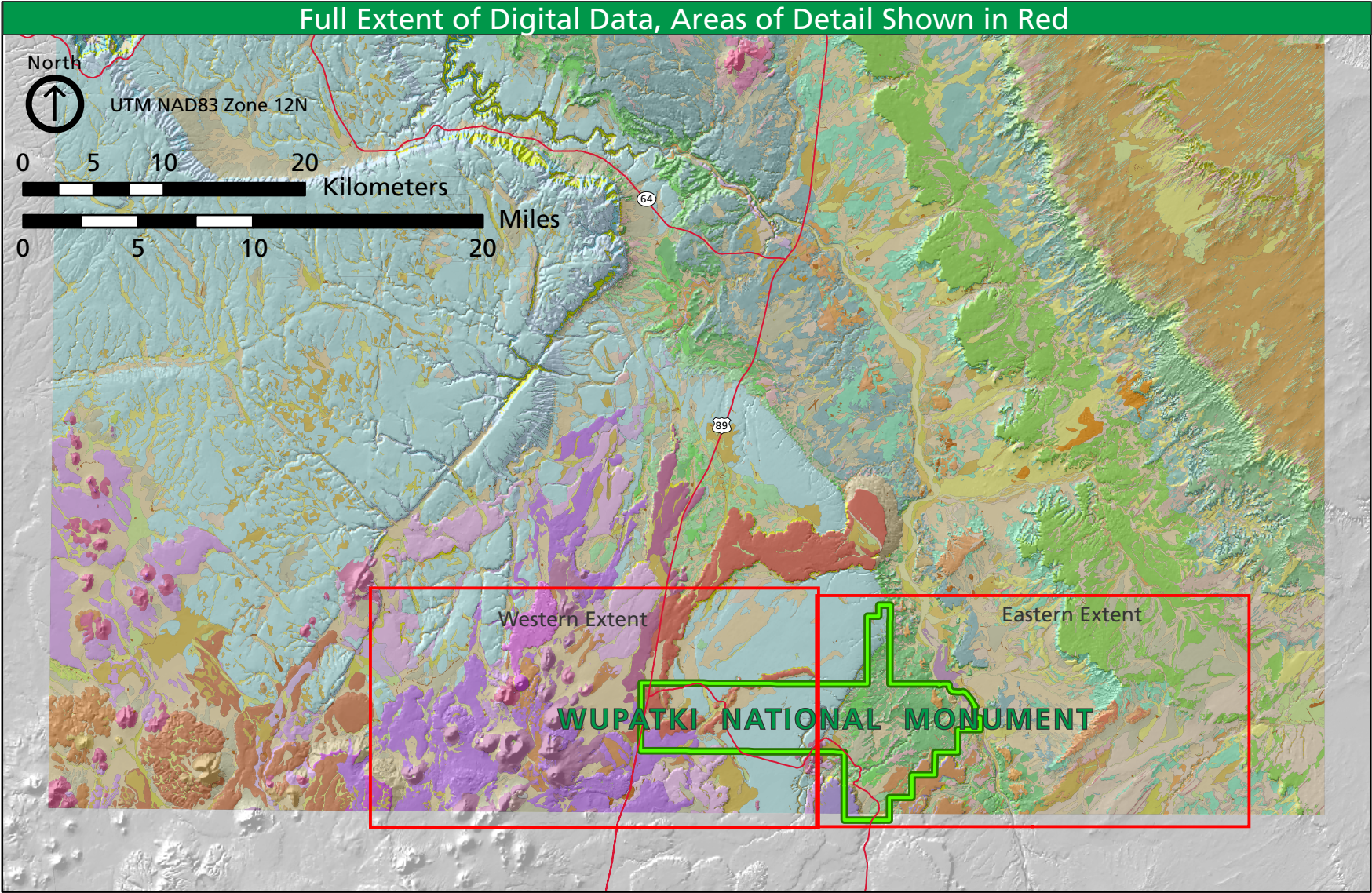


Overview of Digital Geologic Data for Wupatki NM



NPS Boundary

 NPS Boundary

Roads

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