

Geologic Map of Chiricahua National Monument

Arizona

National Park Service
U.S. Department of the Interior

Geologic Resources Inventory
Natural Resource Stewardship and Science



NPS Boundary

NPS Boundary

Infrastructure

Point of Interest

Roads

Water

Geologic Contacts

Solid where known or certain, dashed where approximate

Gradational

Faults

High-angle fault, solid where known or certain, dashed where approximate, dotted where concealed, bar and ball indicates down-thrown block of fault.

Linear Geologic Units

Trcv - Outflow facies Rhyolite Canyon Tuff, vitrophyre, known or certain

Trca - Outflow facies Rhyolite Canyon Tuff, basal ash, known or certain

Tjif - Jesse James Canyon Tuff, lithic-rich pyroclastic flow, known or certain

Tq - Quartz vein, known or certain

Geologic Units

Qal Alluvium (Holocene and Pleistocene)

Qaf Alluvial-fan deposits (Holocene and Pleistocene)

Qc Colluvium (Holocene and Pleistocene)

QTls Landslide deposits (Quaternary or Tertiary)

Tcg Conglomerate (Oligocene?)

Moat deposits

Tmt3 Unit 3 (rhyolite tuff)

Tmr2 Unit 2 (rhyolite lava)

Tmt2 Unit 2 (tuff)

Tmr1 Unit 1 (rhyolite lava)

Tmt1 Unit 1 (tuff)

Rocks of the Turkey Creek Caldera (Oligocene)

Tdpl Dacite of Sugarloaf Mountain, dacite porphyry lava

Trco Outflow facies Rhyolite Canyon Tuff, undivided

Trcu Outflow facies Rhyolite Canyon Tuff, upper member

Trcm Outflow facies Rhyolite Canyon Tuff, middle member

Trcl Outflow facies Rhyolite Canyon Tuff, lower member

Tjj Jesse James Canyon Tuff (Oligocene)

Faraway Ranch Formation (Oligocene)

Tfre Rhyolite of Erickson Ridge

Tfpe Pyroclastic flow deposits of Erickson Ridge

Tfrh Rhyolite of Hands Pass

Tfph Pyroclastic flow deposits of Hands Pass

Tbp Sedimentary rocks of Bonita Park (Oligocene)

Tjg Welded Tuff of Joe Glen Ranch (Oligocene)

Tim Intermediate and mafic lava flows (Oligocene)

Tims Zones of silicification (Oligocene)

Tr Rhyolite dikes (Oligocene?)

Kbls Mural Limestone (Lower Cretaceous)

Km Morita Formation (Lower Cretaceous)

Kg Glance Conglomerate (Lower Cretaceous)

KJv Volcaniclastic and volcanic rocks (Cretaceous? and Jurassic?)

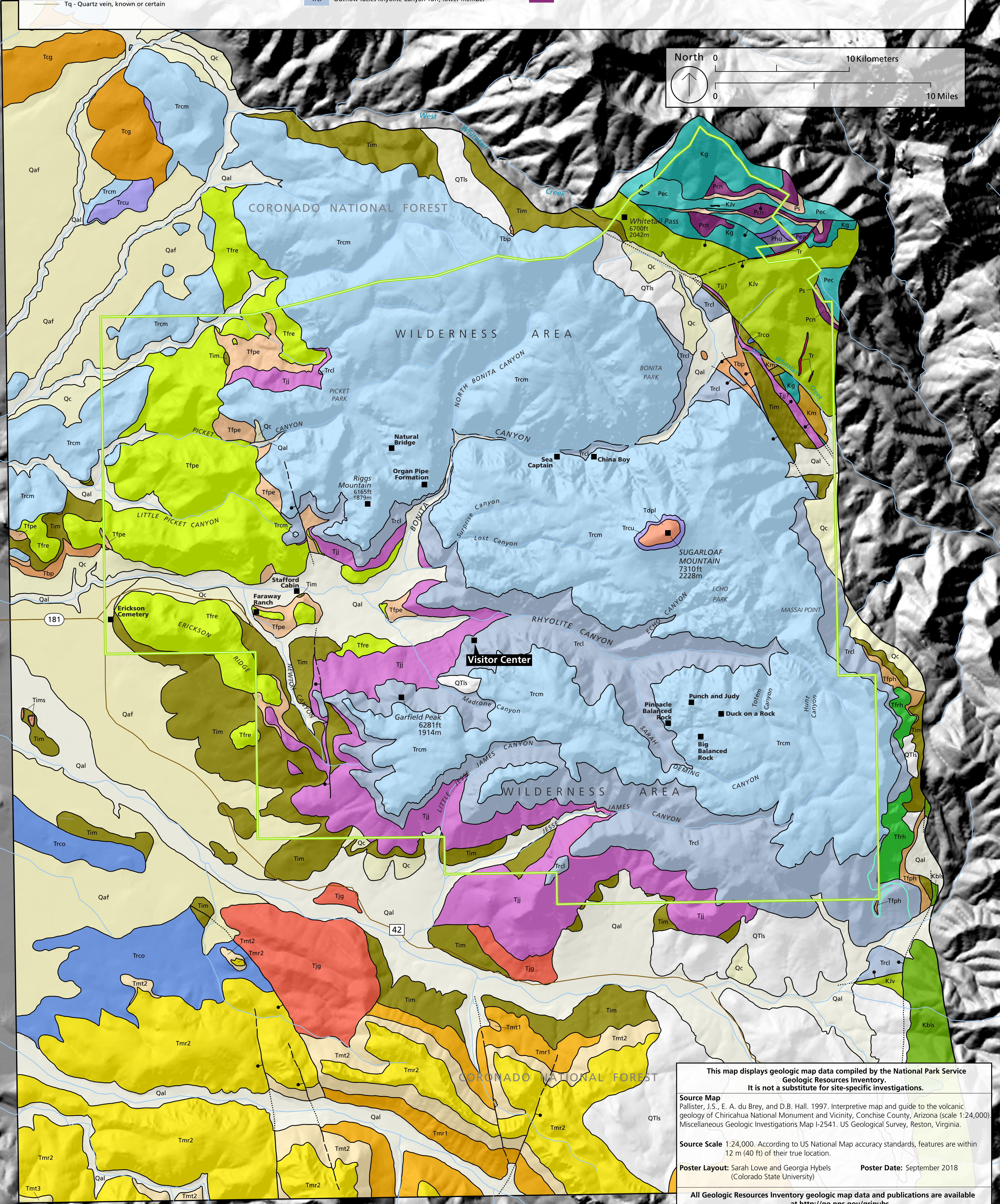
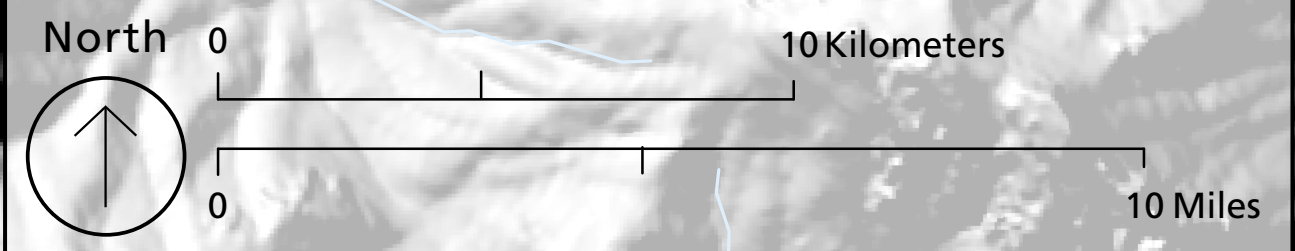
Pcn Concha Limestone (Lower Permian)

Ps Scherrer Formation (Lower Permian)

Pec Epitaph Dolomite and Colina Limestone, undivided (Lower Permian)

Pea Earp Formation (Lower Permian)

Phu Horquilla Limestone (Lower Permian)



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
Pallister, J.S., E. A. du Brey, and D.B. Hall. 1997. Interpretive map and guide to the volcanic geology of Chiricahua National Monument and Vicinity, Cochise County, Arizona (scale 1:24,000). Miscellaneous Geologic Investigations Map I-2541. US Geological Survey, Reston, Virginia.

Source Scale 1:24,000. According to US National Map accuracy standards, features are within 12 m (40 ft) of their true location.

Poster Layout: Sarah Lowe and Georgia Hybels (Colorado State University) **Poster Date:** September 2018

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