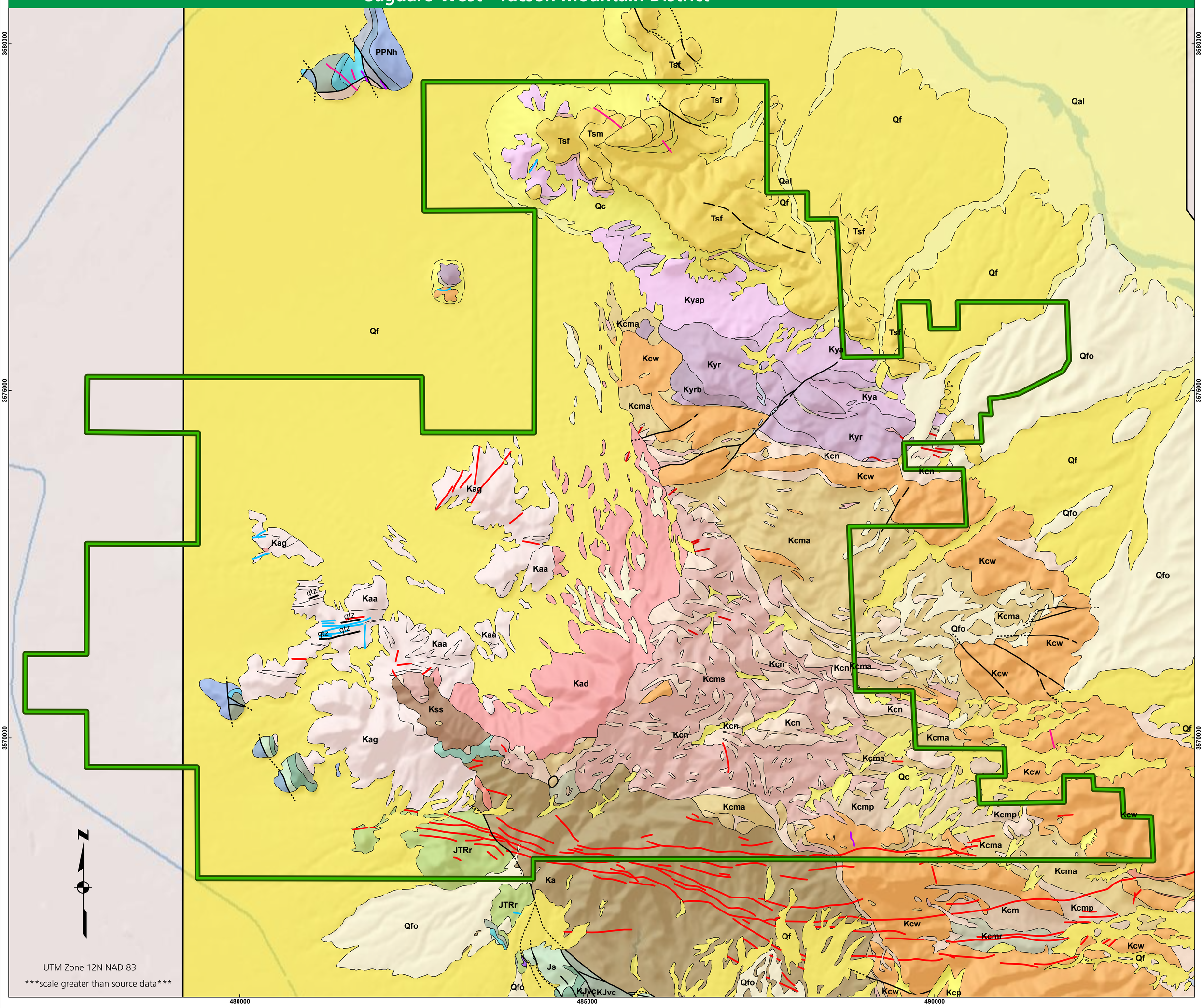
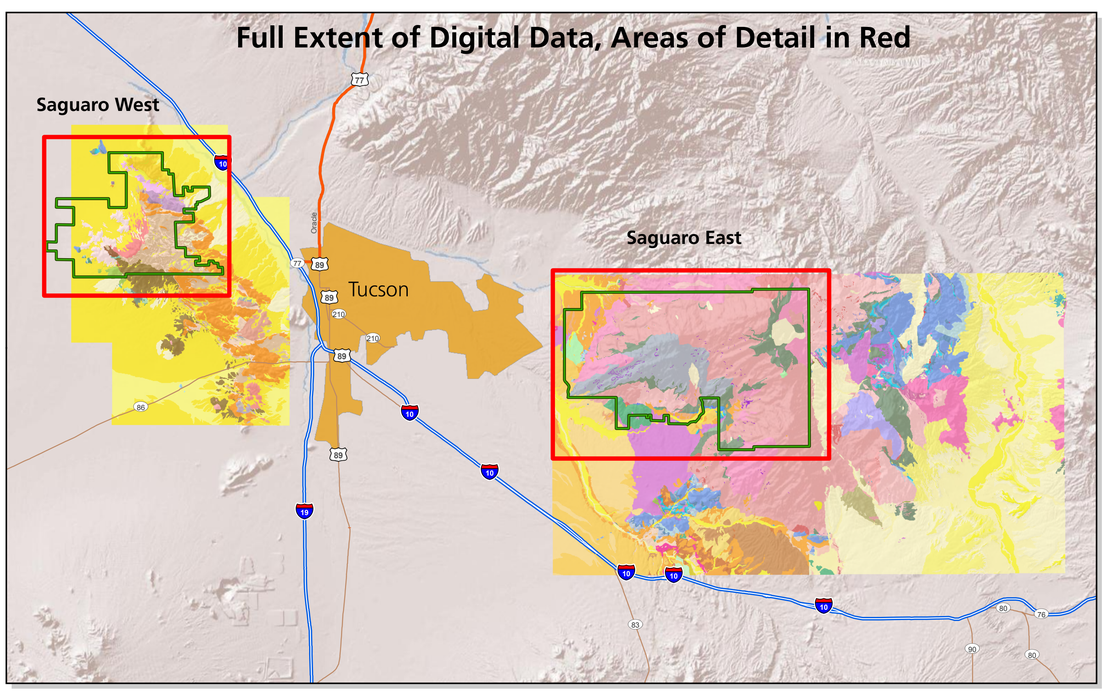
Overview of Digital Geologic Data for Saguaro NP

Saguaro West - Tucson Mountain District



0 1 2 3 4 Kilometers

0 1 2 3 4 Miles



NPS Boundary

Geologic Units

- Qal - Alluvium
- Qc - Colluvium
- Qf - Alluvial-fan deposits
- Qfo - Older alluvial-fan deposits
- Tsf - Safford Dacite, lava flows
- Tsv - Safford Dacite, vent intrusions
- Tss - Safford Dacite, vent splatter
- Tst - Safford Dacite, tuffaceous rocks
- Tsm - Safford Dacite, mudflow deposits
- Tc - Tertiary colluvium
- TKai - Andesite
- TKs - Porphyritic silicic dikes
- Kgp - Porphyritic granodiorite
- Kaa - Amole Pluton, aplite
- Kag - Amole Pluton, granite
- Kad - Granodiorite
- Kyap - Volcanics of Yuma Mine, porphyritic andesite
- Kya - Volcanics of Yuma Mine, aphanitic andesite
- Kyr - Volcanics of Yuma Mine, aphanitic rhyolite and dacite flow
- Kyrb - Volcanics of Yuma Mine, aphanitic rhyolite and dacite flow breccia
- TKvs - Volcaniclastic sedimentary rocks
- Kci - Cat Mountain Tuff, intrusive rhyolitic tuff
- Kcw - Cat Mountain Tuff, densely welded rhyolite
- Kcp - Cat Mountain Tuff, partly welded rhyolite
- Kcn - Cat Mountain Tuff, nonwelded to partly welded rhyolite
- Kcm - Cat Mountain Tuff, Megabreccia member, undivided
- Kcmt - Cat Mountain Tuff, Megabreccia member, mainly clasts of tuff of Confidence Peak
- Kcma - Cat Mountain Tuff, Megabreccia member, mainly clasts of andesite and dacite
- Kcms - Cat Mountain Tuff, Megabreccia member, mainly clasts of Cretaceous sedimentary rocks
- Kcmr - Cat Mountain Tuff, Megabreccia member, abundant clasts of flow-layered rhyolite
- Kcmb - Cat Mountain Tuff, Megabreccia member, abundant clasts of Recreation Red Beds
- Kcmp - Cat Mountain Tuff, Megabreccia member, abundant clasts of Paleozoic sedimentary rocks
- Kss - Sandstone and shale
- Ktc - Tuff of Confidence Peak
- Ka - Amole Arkose
- KJvc - Volcanic conglomerate
- Jai - Andesite porphyry
- Jt - Rhyolite and ash-flow tuff
- Js - Sandstone
- Jlt - Lithophysal ash-flow tuff
- Jb - Basaltic ash-flow tuff
- JTRr - Recreation Red Beds
- Ps - Scherrer Formation
- PPNh - Horquilla Limestone
- Me - Escabrosa Limestone
- Dm - Martin Formation
- Ca - Abrigo Formation
- Cb - Bolsa Quartzite
- Yg - Porphyritic granite
- Xp - Pinal Schist

Geologic Contacts

- known or certain
- approximate
- quadrangle boundary

Faults

- high-angle fault, known or certain
- unknown offset/displacement, known or certain
- unknown offset/displacement, approximate
- unknown offset/displacement, concealed

Linear Dikes

- Tai - Andesite
- Tri - Intrusive rhyolite
- TKai - Andesite
- TKs - Porphyritic silicic dikes
- Kgp - Porphyritic granodiorite
- Kaa - Amole Pluton, aplite
- qtz - Quartz vein

This map graphically presents digital geologic data 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:

Drewes, H. 1974. *Geologic Map and Sections of the Happy Valley Quadrangle, Conchise County, Arizona*. Scale 1:48,000. Miscellaneous Investigations Map I-832. U.S. Geological Survey.

Drewes, H. 1977. *Geologic Map and Sections of the Rincon Valley Quadrangle, Pima County, Arizona*. Scale 1:48,000. Miscellaneous Investigations Map I-997. U.S. Geological Survey.

Lipman, P.W. 1993. *Geologic Map of the Tucson Mountains Caldera, Southern Arizona*. Scale 1:24,000. Miscellaneous Investigations Map I-2205. U.S. Geological Survey.

Digital geologic data and cross sections for Saguaro National Park, and all other digital geologic data prepared as part of the Geologic Resources Inventory, are available online at the NPS Data Store: http://science.nature.nps.gov/nrdata/