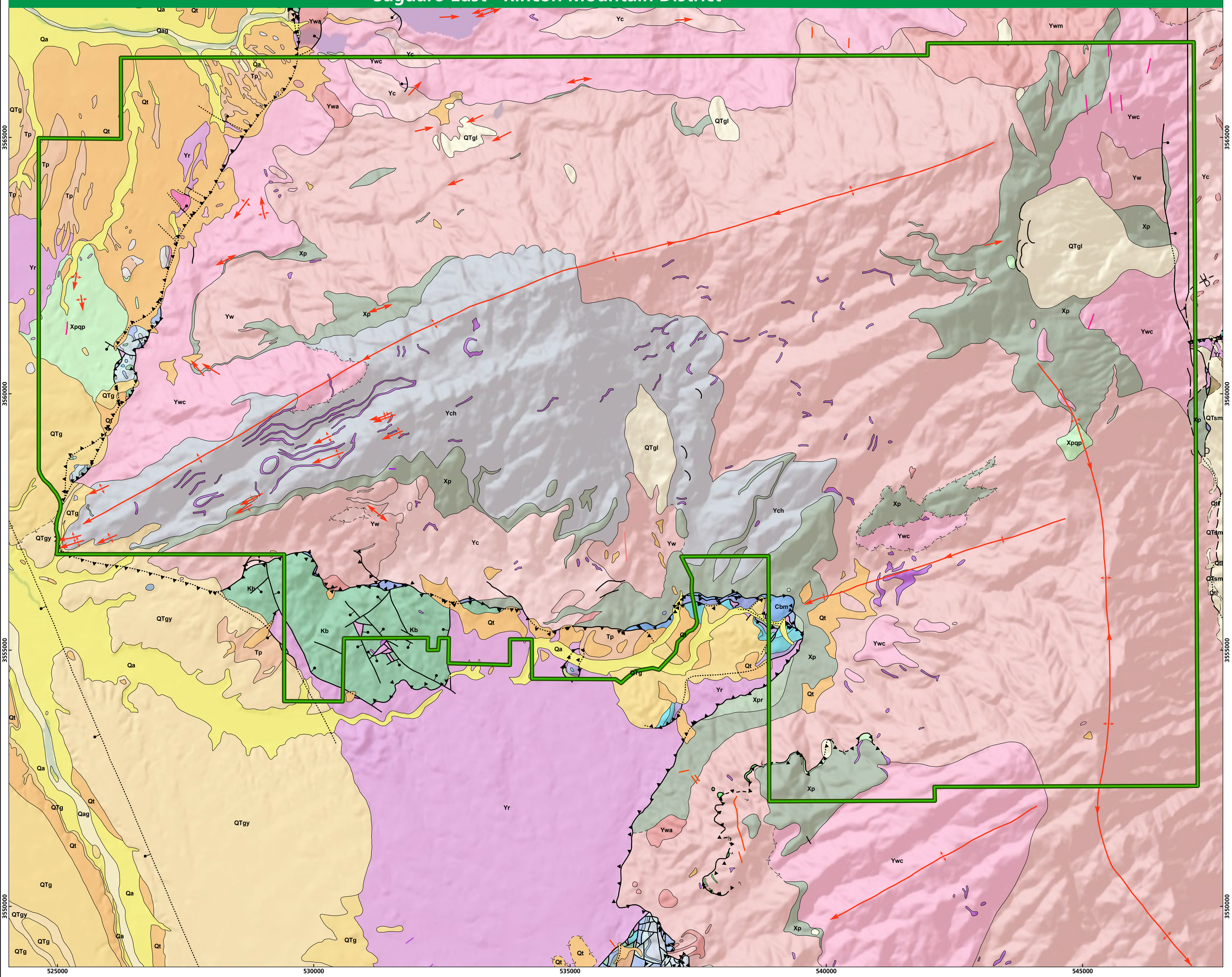
Overview of Digital Geologic Data for Saguaro NP

Saguaro East - Rincon Mountain District



0 1 2 3 4 Kilometers

0 1 2 3 4 Miles

UTM Zone 12N NAD 83

scale greater than source data

N

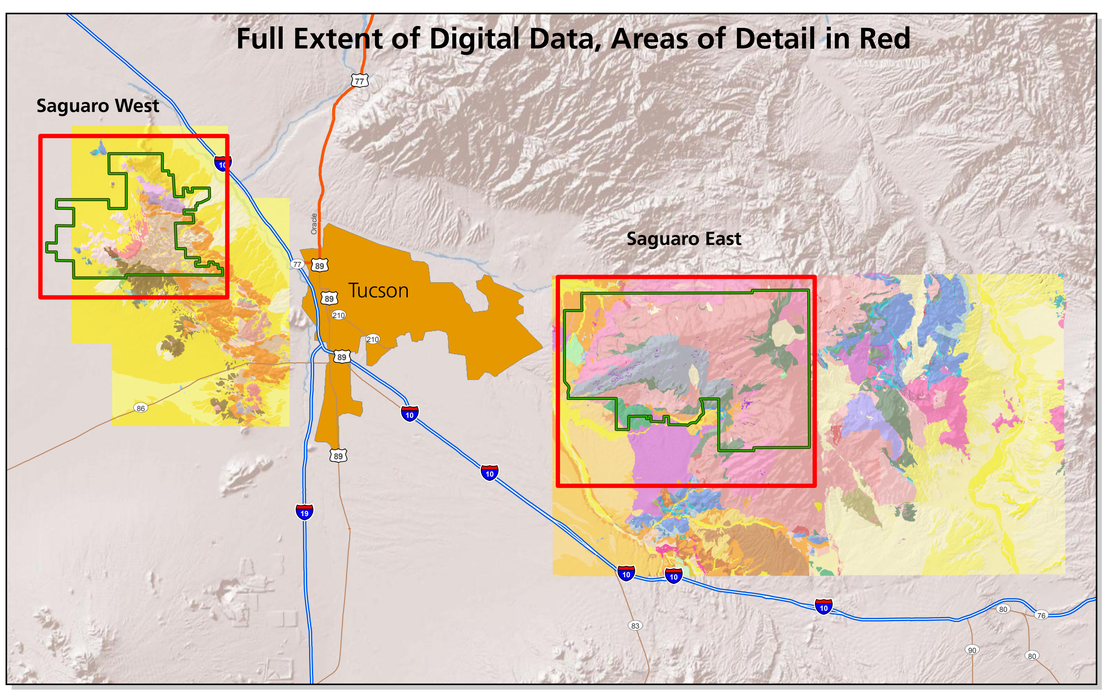
Geologic Contacts
- known or certain
- approximate
- queried
- map boundary

Linear Dikes
- Tca - Carbonate dike or vein
- Td - Diorite
- Tai - Andesite
- Tri - Intrusive rhyolite
- Ywm - Wrong Mountain Quartz Monzonite, massive phase

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

Folds
- anticline, known or certain
- syncline, known or certain
- hinge line, known or certain

Full Extent of Digital Data, Areas of Detail in Red



NPS Boundary

Geologic Units
- Qa - Sand, gravel, and silt
- Qag - Gravel and sand
- Qt - Terrace gravel deposits
- Qtl - Terrace gravel deposits, locally derived
- QTgy - Gravel, grus, and sand
- QTg - Gravel, grus, and sand (basin deposits)
- QTgl - Rubble deposits
- QTsm - Formation of St. David Area, margin facies
- Tg - Gravel and conglomerate
- Tn - Nogales Formation
- Tp - Pantano Formation
- Tpc - Pantano Formation, claystone member
- Tra - Rhyolitic agglomerate
- Trt - Rhyolitic tuff breccia
- Tat - Porphyritic andesite
- Tai - Andesite
- Tri - Intrusive rhyolite
- Kb - Bisbee Group
- Kbg - Glance Conglomerate
- Ps - Scherrer Formation
- Pe - Epitaph Formation
- Pc - Colina Limestone
- PPNe - Earp Formation
- PPNh - Horquilla Limestone
- PPNhm - Horquilla Limestone, metamorphosed facies
- Me - Escabrosa Limestone
- Dm - Martin Formation
- Ca - Abrigo Formation
- Cb - Bolsa Quartzite
- Cbm - Bolsa Quartzite, metamorphosed facies
- Yd - Diabase
- Yds - Dripping Spring Formation
- Yp - Pioneer Shale
- Yr - Granodiorite of Rincon Valley
- Yw - Wrong Mountain Quartz Monzonite
- Ywm - Wrong Mountain Qartz Monzonite, massive phase
- Ywa - Wrong Mountain Quartz Monzonite, aplite
- Ydi - Metadiorite
- Yc - Continental Granodiorite
- Ych - Continental Granodiorite and other rocks (hybridized)
- Ywc - Wrong Mountain Quartz Monzonite and Continental Granodiorite
- Xp - Pinal Schist
- Xpqp - Pinal Schist, quartzite and phyllite
- Xpr - Pinal Schist, metarhyolite
- ls - Limestone and marble

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/