Overview of Digital Geologic Data for Tumacácori National Historical Park

NPS Boundary

Geologic Contacts

- known or certain
- approximate
- water or shoreline
- subaqueous (inferred)

Faults

- normal fault, known or certain
- normal fault, concealed
- normal fault, queried
- normal fault, inferred
- reverse left-lateral strike-slip fault, inferred

Folds

- syncline, concealed
- syncline, inferred

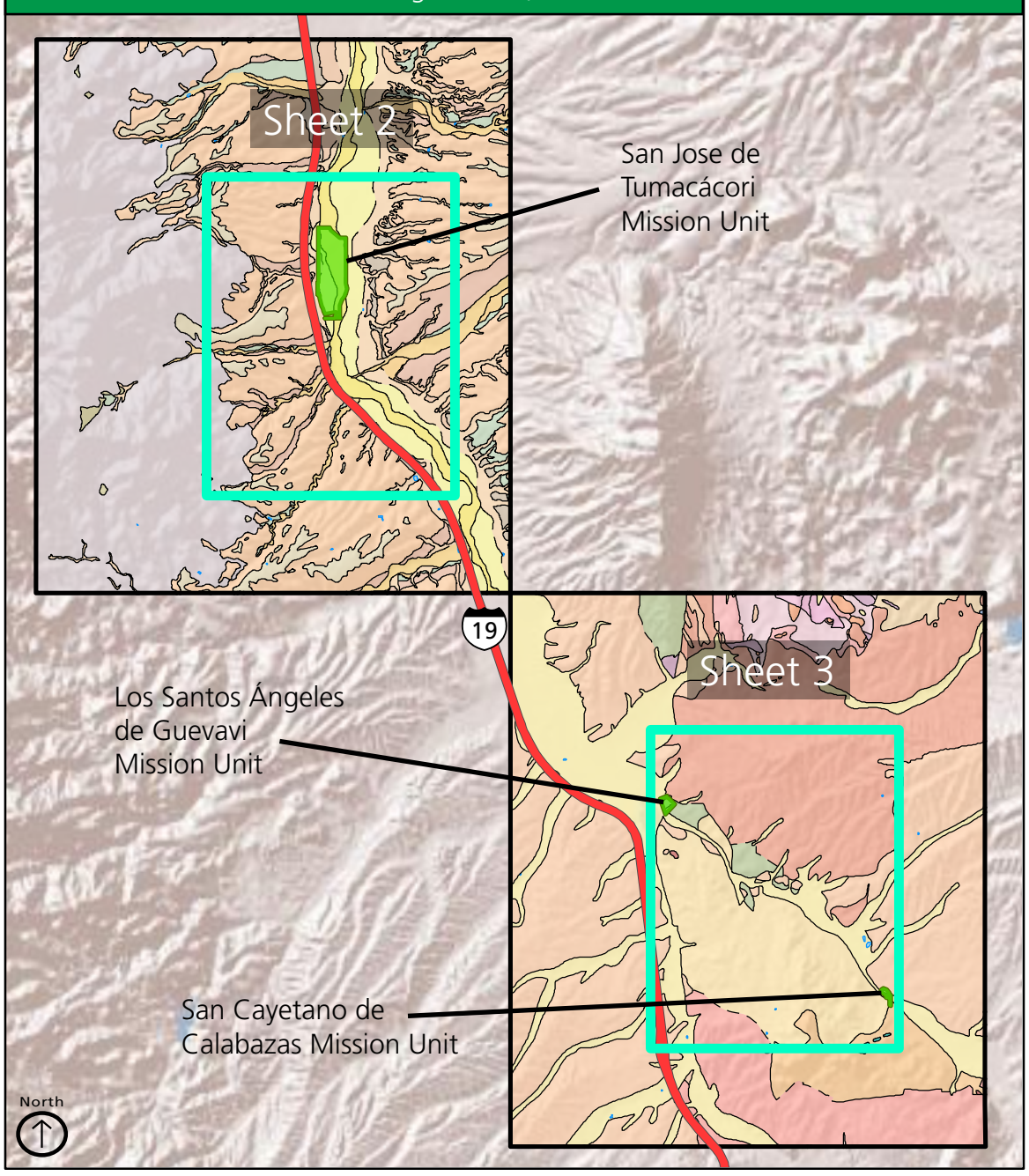
Linear Dikes

- r - Rhyolite or quartz dike, known or certain
- vein - Vein, known or certain
- dike - Lampropyhre dike, known or certain
- a - Aplite dike, known or certain

Geologic Units

- Water
- Qycr - Modern river channel deposits
- Qal - Younger alluvium and talus
- Qy2 - Late Holocene alluvium
- Qy1 - Holocene alluvium
- Qy - Undifferentiated Holocene alluvium
- Qyr - Holocene floodplain and terrace deposits
- Qlyr - Holocene to Late Pleistocene river terraces
- Ql - Late Pleistocene alluvium
- Qlr - Late Pleistocene river terraces
- Qm - Middle Pleistocene alluvium
- Qmr - Middle Pleistocene river terrace deposits
- Qo - Early Pleistocene alluvium
- QTs - Early Pleistocene to Pliocene alluvium
- QTal - Older alluvium
- Tn - Nogales Formation, undivided

Full Extent of Digital Data, Areas of Detail in Blue



- Tnl - Nogales Formation, lower Member
- R - Bedrock, undifferentiated
- Ks - Salero Formation
- p - Microdiorite plug
- Jb - Quartz Monzonite of Mount Benedict, biotite-hornblende quartz monzonite
- Jbm - Quartz Monzonite of Mount Benedict, quartz monzonite
- s - Metasedimentary rocks

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 (1:24,000) and U.S. National Map Accuracy Standards, geologic features represented here are within 12 meters /40 feet (horizontally) of their true location.

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

Simons, F.S. 1974. Geologic Map of Sections of the Nogales and Lochiel Quadrangles, Santa Cruz County, Arizona (scale 1:48,000). Map I-762. U.S. Geological Survey.

Youberg, A., and Helmick, W.R. 2001. Surficial Geology and Geologic Hazards of the Amado-Tubac Area, Santa Cruz and Pima Counties, Arizona (scale 1:24,000) Digital Geologic Map 13 (DGM-13, Plate2). Arizona Geological Survey.

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