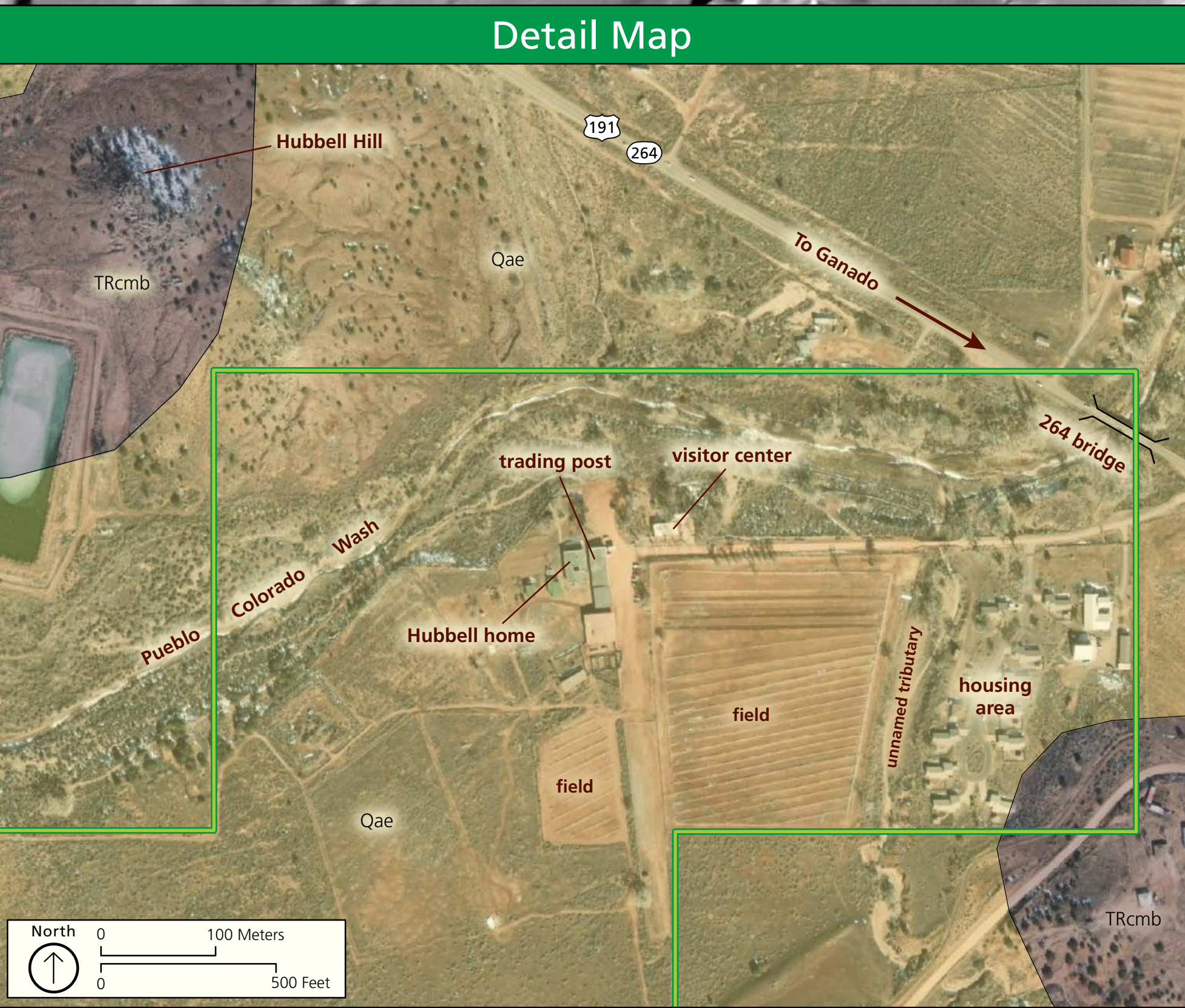
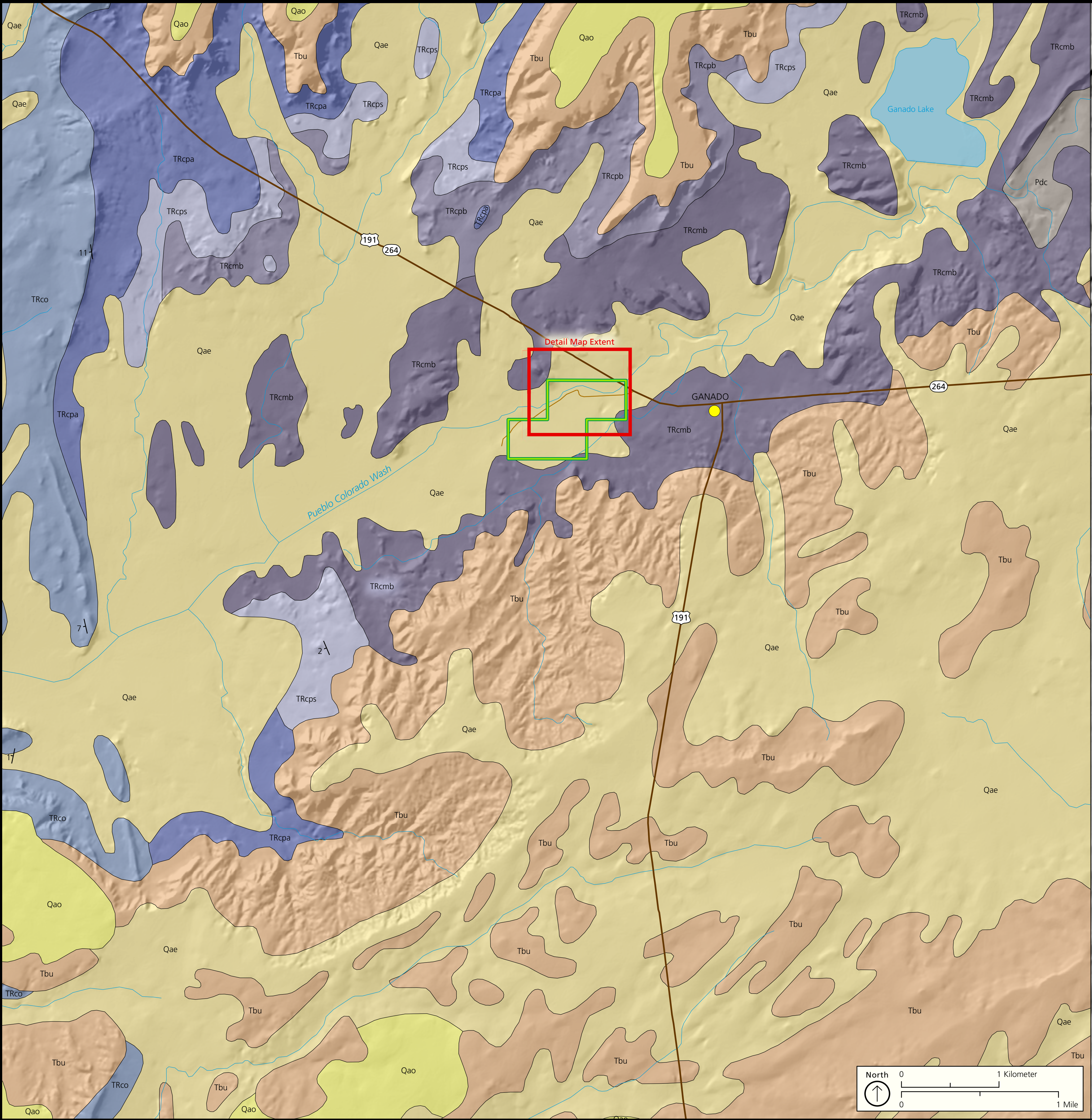


Geologic Map of Hubbell Trading Post National Historic Site

Arizona

National Park Service
U.S. Department of the Interior

Geologic Resources Inventory
Natural Resource Stewardship and Science



This map displays geologic map data compiled by the National Park Service Geologic Resources Inventory. It is not a substitute for site-specific investigations. All GRI products are available at <https://go.nps.gov/gripubs>.

Source Map:
Hackman, R. J., and A. B. Olson. 1977. Geology, structure, and uranium deposits of the Gallup 1° x 2° quadrangle, New Mexico and Arizona (scale 1:250,000), sheet 1 of 2. Miscellaneous Investigations Series Map I-981. US Geological Survey, Washington, DC.

Source Scale 1:250,000. According to US National Map Accuracy Standards, features are within 127 meters (417 feet) of their true location.

Poster Layout: Thom Curdts and Lucas Chappell (Colorado State University) **Poster Date:** May 2024

LEGEND

NPS boundary

Town

Highway

Park entrance road

Water

Geologic Contacts

Known or certain

Geologic Attitude Observations

Strike and dip of beds

Geologic Units

- Qae Alluvial and/or eolian deposits (Holocene and Pleistocene)
- Qao Alluvial and/or eolian deposits on older surfaces such as terraces and pediments (Holocene and Pleistocene)
- Tbu Bidaohochi Formation, upper member (Pliocene and Miocene)
- TRco Chinle Formation, Owl Rock Member (Upper Triassic)
- TRcpa Chinle Formation, Petrified Forest Member, upper part (Upper Triassic)
- TRcps Chinle Formation, Petrified Forest Member, Sonela Sandstone Bed (Upper Triassic)*
- TRcpb Chinle Formation, Petrified Forest Member, lower part (Upper Triassic)
- TRcmb Chinle Formation, Monitor Butte Member (Upper Triassic)*
- Pdc De Chelly Sandstone (lower Permian)

* Following Lucas and Hayden (1989), the Monitor Butte Member is now correlated with the Bluewater Creek Member of the Chinle Formation. Following mapping by Martz et al. (2012), the Sonela Sandstone Bed of the Petrified Forest Member (TRcps) is now recognized as the Sonela Member of the Chinle Formation.

Lucas, S. G., and S. N. Hayden. 1989. Triassic stratigraphy of west-central New Mexico. Pages 191-211 in O. J. Anderson, S. G. Lucas, D. W. Love, and S. M. Cather, editors. Southeastern Colorado Plateau. Fall Field Conference Guidebook 40. New Mexico Geological Society, Socorro, New Mexico.

Martz, J. W., W. G. Parker, L. Skinner, J. J. Rauc, P. Umhoefer, and R. C. Blakey. 2012. Geologic map of Petrified Forest National Park, Arizona (scale 1:50,000). Contributed Map CM-12-A. Arizona Geological Survey, Tucson, Arizona.

