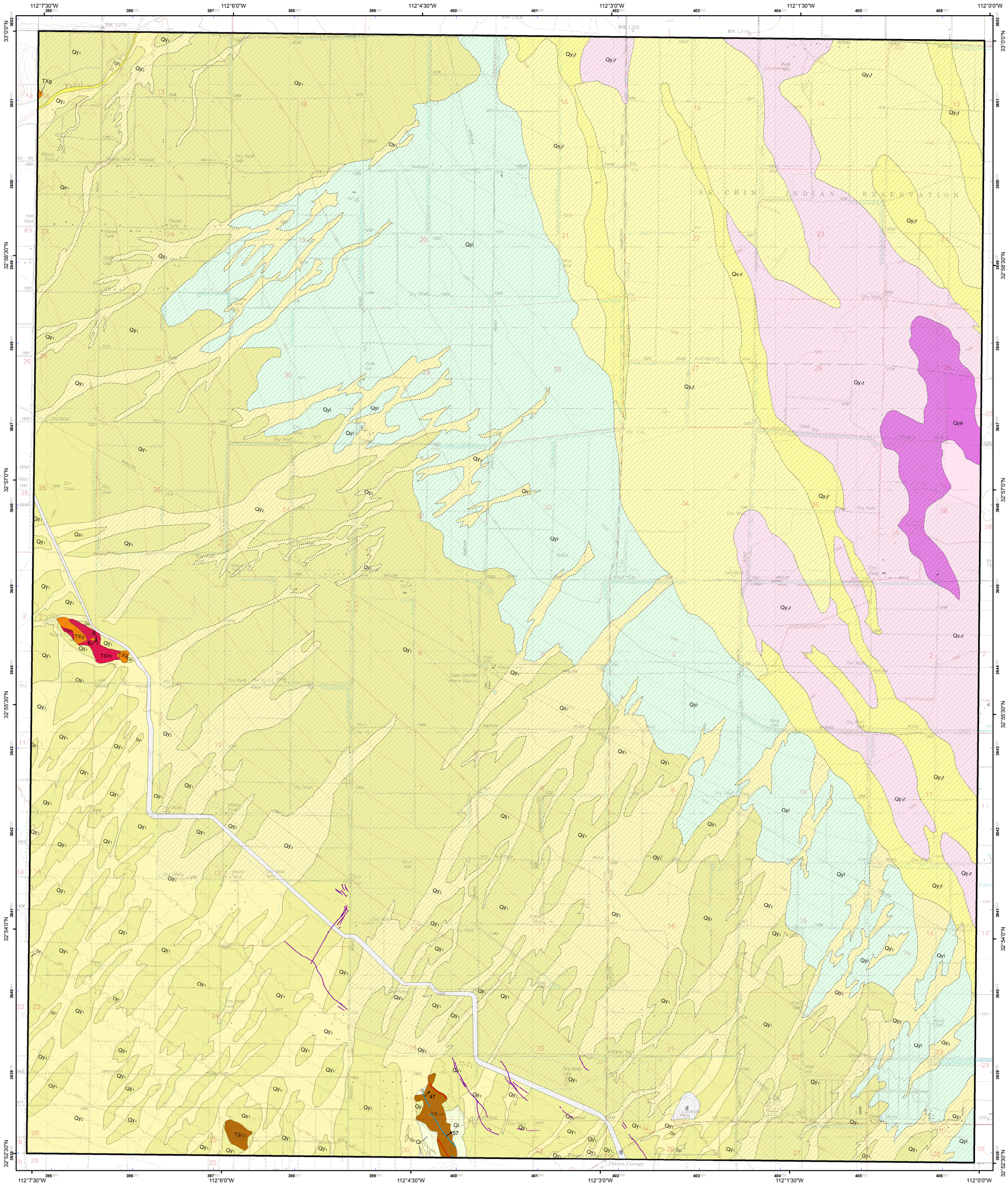

Geologic map of the Antelope Peak NE 7 ½' Quadrangle and the southern 2/3 of the Maricopa 7 ½' Quadrangle, Pinal County, Arizona

by
Pearthree, P.A., Ferguson, C.A., and Mahan, M.K.

Arizona Geological Survey Digital Geologic Map 63 v.2

September 2020

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(Research supported by the U.S. Geological Survey, National Cooperative Geologic Mapping Program, under assistance award number 06HQAG0051. The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Government.)

Geologic Map Units

- **Areas obscured by human activity**

Surficial Deposits

- d — **Profoundly disturbed areas**

Piedmont Alluvium

- Qy_c — **Active Channel deposits of Vekol Wash**
- Qy_2 — **Late Holocene alluvium**
- Qy_1 — **Holocene alluvium**
- Qyi — **Late Pleistocene to Holocene alluvium**
- Qi — **Middle to late Pleistocene alluvium**
- Qif — **Middle to late Pleistocene fine-grained alluvium**

Axial Valley Deposits

- Qy_cr — **Modern channel deposits of Santa Rosa Wash**
- Qy_2r — **Late Holocene floodplain deposits**
- Qy_5r — **Holocene striped floodplain deposits**
- Qy_1r — **Holocene floodplain and terrace deposits**
- Qir — **Middle to late Pleistocene fine-grained river terrace deposits**

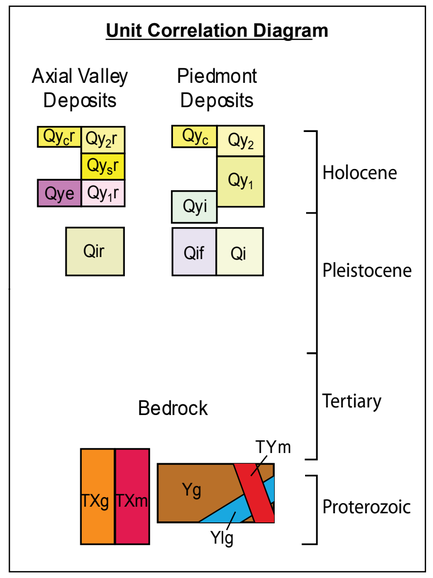
Eolian Deposits

- Qye — **Holocene sand dunes**

Bedrock Units

- **Mesoproterozoic leucogranite and pegmatite dikes (Ylg)**
- Yg — **Mesoproterozoic granite**
- **Cenozoic to Mesoproterozoic fine-grained mafic dikes (TYm)**
- TXg — **Cenozoic to Paleoproterozoic granodiorite**
- TXm — **Cenozoic to Paleoproterozoic mafic complex**

Unit Correlation Diagram

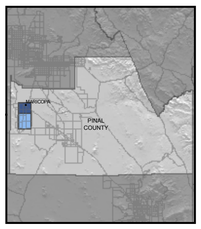


ARIZONA COUNTIES

Mapped Area Shown In Blue

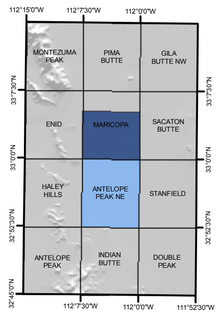
LOCATION OF MAPPED AREA

Mapped Area Shown In Blue



ADJOINING 7.5' QUADRANGLES

Mapped Area Shown In Blue



Topographic base map from USGS Antelope Peak NE and Maricopa 7.5' quadrangles. Originally produced in NAD27 UTM zone 12 and projected to NAD83 UTM zone 12.

North American Datum of 1983 (NAD83). Projection and 1,000-meter grid: Universal Transverse Mercator, zone 12.

SCALE 1:24,000

1 0.5 0 1 Miles

8,000 7,000 6,000 5,000 4,000 3,000 2,000 1,000 0 Feet

1 0.5 0 1 Kilometers

MAP SYMBOLS

- accurate contact
- approximate contact
- concealed contact
- earth fissure
- mylonitic foliation
- stretching lineation
- dike orientation

UTM GRID AND 2007 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Arizona Geological Survey
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https://azgs.arizona.edu/

DGM-63
SHEET 1 OF 2
(Antelope Peak NE)