

by
 Young, J.J., Spencer, J.E., MacFarlane, B.J.,
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 August 2009

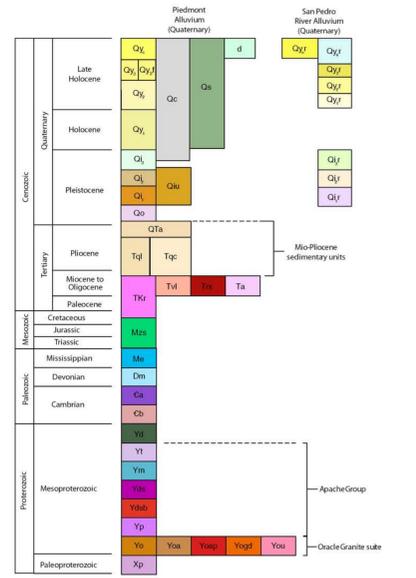
Arizona Geological Survey Digital Geologic Map 66
 (DGM-66), version 1.0

Citation for this map:
 Young, J.J., Spencer, J.E., MacFarlane, B.J., and Richard, S.M.,
 2009, Geologic map of the Lookout Mountain
 7 1/2 Quadrangle, Pinal County, Arizona. Arizona Geological
 Survey Digital Geologic Map DGM-66, scale 1:24,000.

(Research supported by the U.S. Geological Survey, National Cooperative Geologic Mapping Program, under assistance award number 07HQAG0110. 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.)

- Oracle Granite, granodioritic - Medium-grained, gray granite or granodiorite containing biotite and hornblende (Krieger, 1968).
- Oracle Granite, undivided - Oracle Granite, undivided
- Paleoproterozoic metamorphic unit**
- Pinal Schist - Fairly laminated, very fine-grained, medium to dark gray, foliated to weakly schistose sandstone to siltstone.

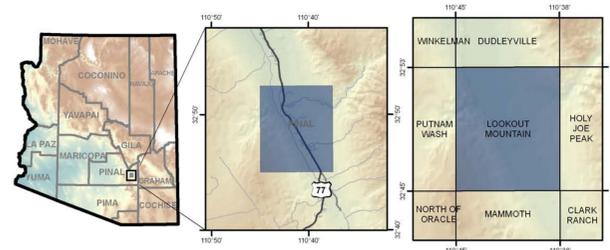
Correlation of Units



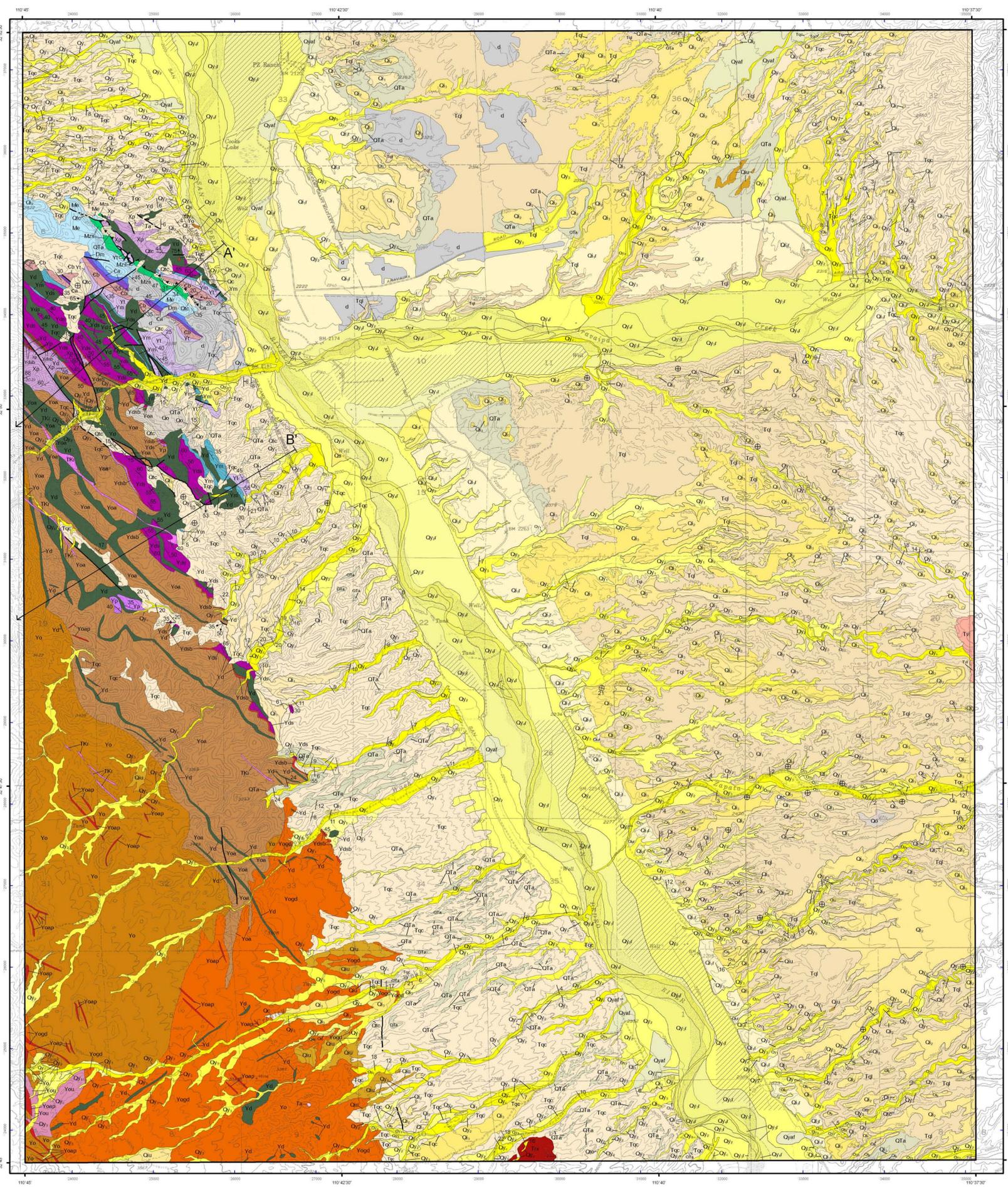
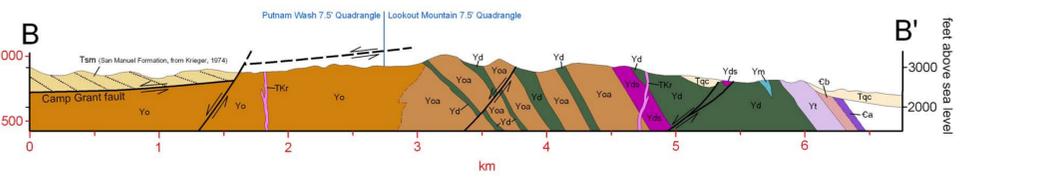
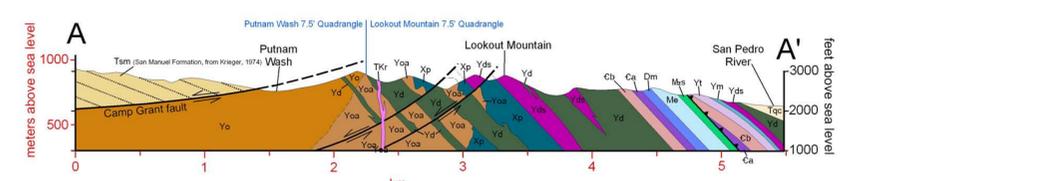
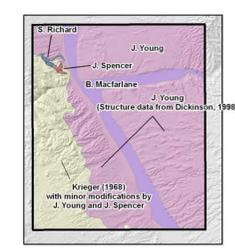
Map Symbol Descriptions

- Horizontal bedding
- Inclined bedding showing strike and dip
- Overturned bedding showing strike and dip
- Overturned bedding showing strike and dip, facing indicators present at this location
- Transposed bedding showing strike and dip
- Slickenside (fault-surface striae)
- Fault attitude
- Minor fault or vein orientation, showing strike and dip
- Accurately located contact
- Approximately located contact
- Contact, concealed beneath surficial units
- Accurately located fault
- Approximately located fault
- Fault, concealed beneath surficial units
- Approximately located fault, inferred
- Accurately locate thrust fault
- Approximately located thrust fault

Location Map
 Mapped Area Shown in Blue



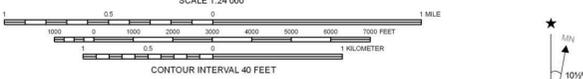
Mapping Responsibility



Topographic base from USGS 1:24,000 Quadrangle Series.
 Seamless basemap generated using iGage All Top Pro software.

Projection Information:
 North American Datum of 1983.
 1000-meter Universal Transverse Mercator grid zones, zone 12, shown in blue.

Cartography and Map Layout by Ryan J. Clark and Helen Ireland



References Cited

- Dickinson, W.R., 1998, Facies map of post-mid-Miocene Quiburis Formation, San Pedro trough, Pinal, Pima, Graham, and Cochise Counties, Arizona: Arizona Geological Survey Contributed Map CM-98-A, ten sheets, scale 1:24,000, with 6 p. text.
- Krieger, M.H., 1968, Geologic map of the Lookout Mountain quadrangle, Pinal County, Arizona: U.S. Geological Survey Geologic Quadrangle Map GQ-670, 2 p., 1 sheet, scale 1:24,000.
- Krieger, M.H., 1974, Geologic map of the Putnam Wash quadrangle, Pinal County, Arizona: U.S. Geological Survey Quadrangle Map GQ-1109, scale 1:24,000.

