

Geologic Map of the Lincoln Ranch Basin, Eastern Buckskin Mountains, Western Arizona v. 2.0

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Arizona Geological Survey

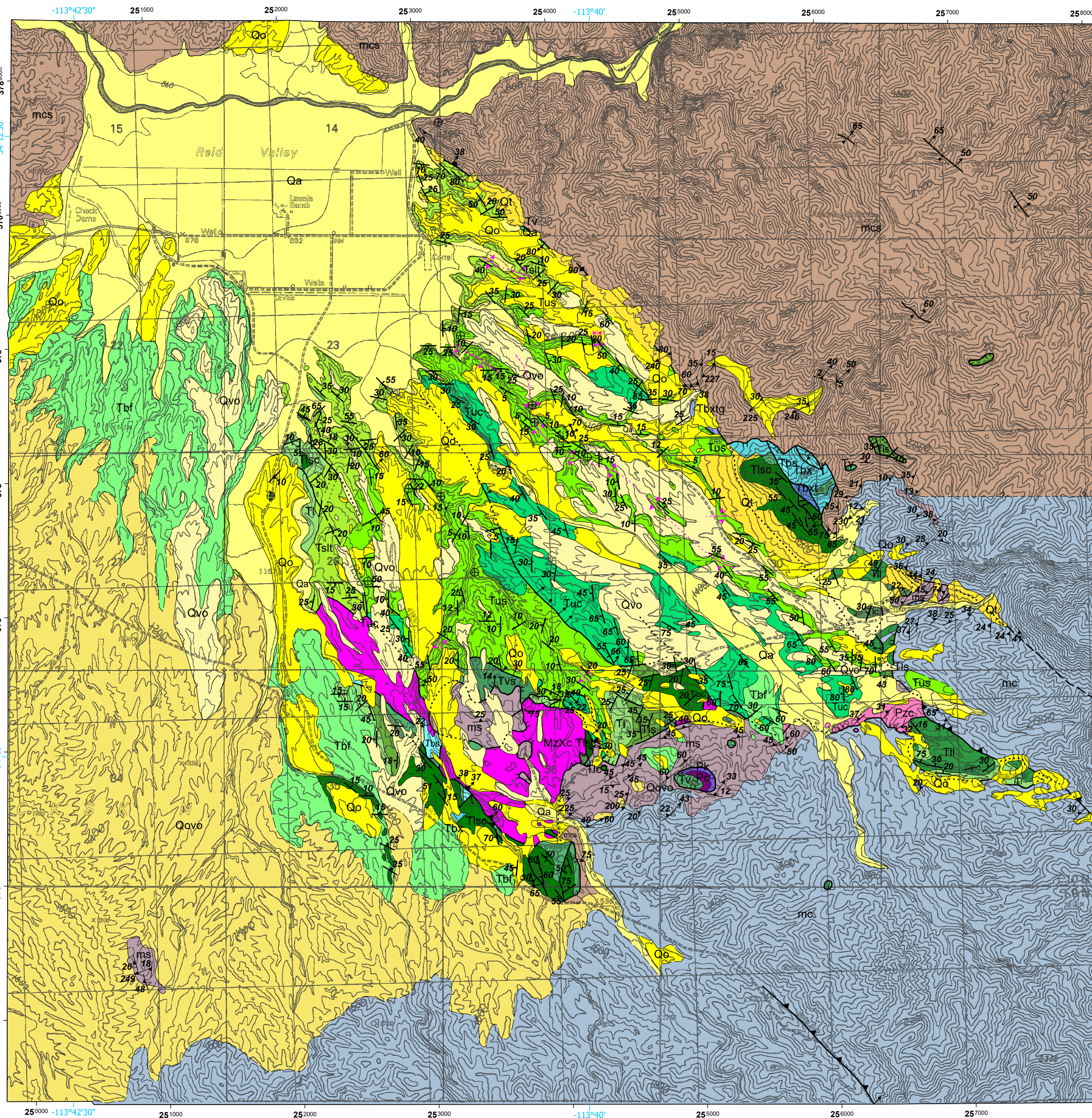
Digital Geologic Map (DGM) 176

[Formerly Open-File Report 86-02 (OFR-86-02)]

November 2022

1:24,000 scale

This map is a digital republication of a 1986 geologic map originally created by the Arizona Geological Survey with financial support from the United States Geological Survey. Digitization was conducted by students from the University of Arizona with financial support from the National Geological and Geophysical Data Preservation Program, G21AP10428. No new field mapping was conducted. 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.

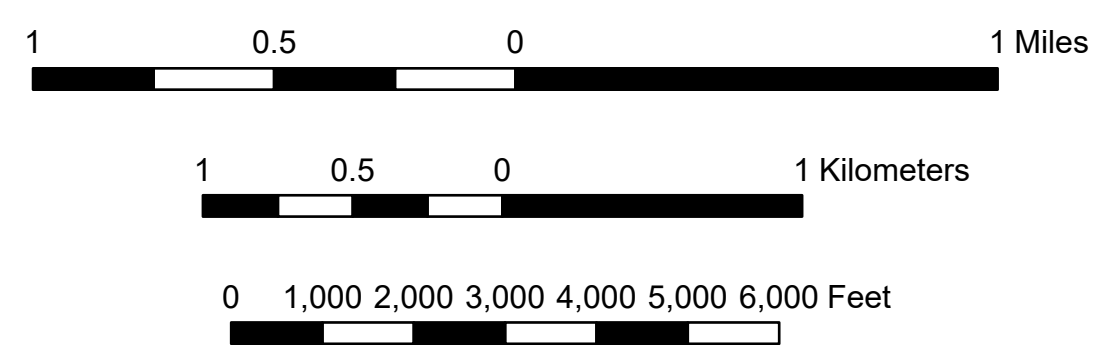


Symbols and Lines

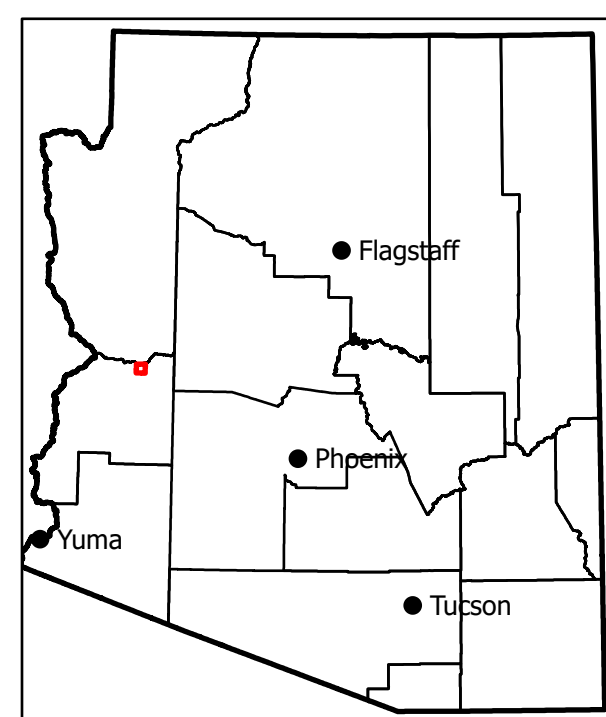
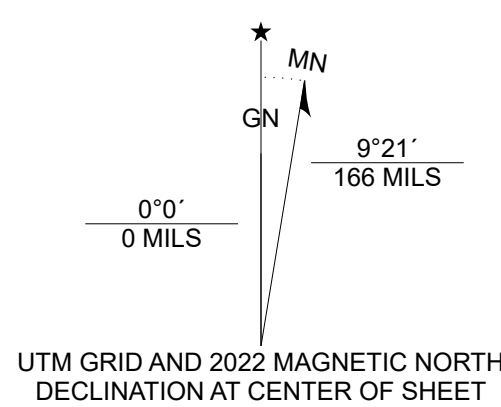
⊕ horizontal bedding	--- fault, approximate
┆ strike and dip of bedding fault, concealed
┆ vertical bedding	┆ high-angle (greater than 35 degrees) normal fault, ball and bar on hangingwall block
┆ strike and dip of mylonitic foliation	┆ reverse fault, teeth on hanging wall
┆ strike and dip of mylonitic foliation	┆ Buckskin-Rawhide detachment fault -- double hatchures on upper plate
┆ lineation within plane of foliation	┆ subsidiary low-angle (less than 35 degrees) normal fault -- single hatchures on upper plate
→ fault dip	┆ anticline
— contact, depositional or intrusive	┆ anticline, approximate
- - - contact, depositional or intrusive, approximately located	┆ anticline, trace of axis concealed
- - - inferred contact, not present on original map	┆ syncline
..... ash bed -- white to light-gray, air-fall ash, very fine grained, forms isolated beds 0.5 to 2 m thick	┆ syncline, trace of axis concealed
..... marker bed	┆ overturned monocline
— fault	

Map Unit Descriptions

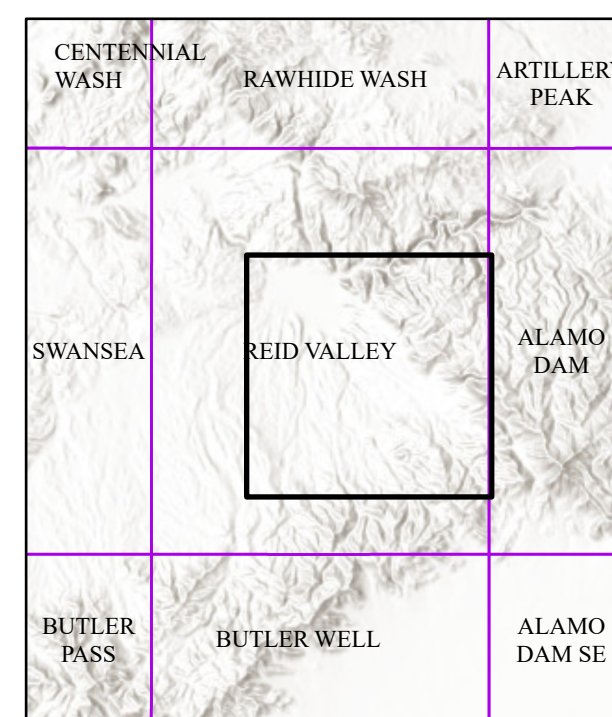
Qa Alluvial deposits	Tv Intermediate volcanics
Qt Talus deposits	Tvs Brittly sheared Tv
Qo Old alluvial deposits	Tbs Basal sedimentary unit
Qvo Very old alluvial deposits	Tbx Sedimentary breccia, granitic protolith
Qovo Old and very old alluvial deposits, undivided	Tbxt Tectonic breccia
Tbf Basin-fill deposits	Tbxtg Tectonic breccia, granitic protolith
Upper plate rock units	Mzv Metavolcanic rocks
Tuc Upper conglomerate	Pk Kaibab limestone
Tus Upper sandstone	Pc Coconino sandstone
Tslt Siltstone	Pzc Carbonate, undivided
Tl Lacustrine rocks	Mzxc Crystalline rocks, undivided
Tll Lacustrine limestone	Lower plate rock units
Tls Lower sandstone	ms Metasedimentary rocks
Tlc Lower conglomerate	mc Mylonitic crystalline rocks
Tlsc Lower sandstone and conglomerate, undivided	mcs Mylonitic crystalline and metasedimentary rocks, undivided
Tlscs Brittle shear of Tlsc	



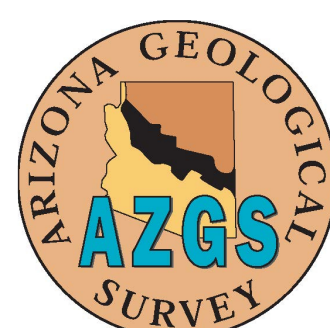
Topographic base from:
U.S. Geological Survey, 2004, Reid Valley Quadrangle
Arizona 7.5 Minute Series (Topographic)
Regional Index Basemap from:
Esri, NASA, NGA, USGS
Projection: UTM Zone 12N
Datum: NAD 1983



Location of map area



Regional Index



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