



**CORRELATION OF MAP UNITS**

Qt <sub>a</sub>	QUATERNARY AND TERTIARY
T <sub>3</sub>	TERTIARY
M <sub>3</sub>	MESOZOIC
mb	MESOZOIC TO PRECAMBRIAN
mu	MESOZOIC TO PRECAMBRIAN

**DESCRIPTION OF MAP UNITS**

- Qt<sub>a</sub> Alluvium and Colorado River deposits (Quaternary and Tertiary)
- T<sub>3</sub> Base Formation, Funglomerate of Osborne Wash, and associated volcanic rocks (Tertiary)
- T<sub>2</sub> Volcanic and sedimentary rocks undifferentiated (Tertiary)
- M<sub>3</sub> Granitic rocks (Mesozoic)
- M<sub>2</sub> Gneissic granitic rocks (Mesozoic)
- mu Metamorphic rocks of the upper plate of the Whipple Mountains detachment fault (Mesozoic to Precambrian)
- mb Area of abundant intrusive rocks in the lower plate of the Whipple Mountains detachment fault (Mesozoic to Precambrian)
- m Metamorphic rocks of the lower plate of the Whipple Mountains detachment fault (Mesozoic to Precambrian)

**Geological Symbols:**

- Contact
- Fault—Showing dip. Probable significant lateral displacement shown by arrows. Bar and ball on downthrown side. Dotted where concealed, queried where doubtful
- Thrust fault—Showing dip. Sawtooth on upper plate
- Whipple Mountains detachment fault—Showing dip. Dotted where concealed, queried where doubtful
- Syncline—Showing approximate trace of axial plane
- Anticline—Showing approximate trace of axial plane
- Strike and dip of beds or flow layering
- Inclined
- Vertical
- Attitude of foliation

**NOTE:** Owing to loss of the original compilation during report processing, registry of geology with respect to topography and culture is not precise, and this map contains unresolved errors in detail.

Scale: 1:125,000  
 0 2 4 6 8 MILES  
 0 2 4 6 8 KILOMETERS

CONTOUR INTERVAL 200 FEET  
 WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

MAP LOCATION

**TECTONIC MAP, VIDAL-PARKER REGION, CALIFORNIA AND ARIZONA**