



LIST OF MAP UNITS

SURFICIAL DEPOSITS

- Qaf Artificial fill and quarries
- Qs Stream-channel deposits
- Qf Flood-plain deposits
- Qps Ponded sediments
- Qd Dune sand and sand sheet deposits
- Qes Eolian sand sheet deposits
- Qae Young mixed alluvium and eolian deposits
- Qc Colluvial deposits
- Qv Valley-fill deposits
- Qg1 Young terrace-gravel deposits
- Qa1 Young alluvial fan deposits
- Qg2 Intermediate terrace-gravel deposits
- Qa2 Intermediate alluvial fan deposits

VOLCANIC ROCKS

SEDIMENTARY ROCKS

- Jks Kayenta Formation, Springdale Sandstone Member
- Jmd Moenave Formation, Dinosaur Canyon Member
- Jmw Moenave Formation, Whitmore Wash Member
- Tcp Chinle Formation, Petrified Forest Member
- Tcs Chinle Formation, Shinarump Member
- Tmu Moenkopi Formation, upper red member
- Tms Moenkopi Formation, Shnabkaib Member

EXPLANATION

- Contact certain
- Fault certain; number is estimated offset in feet
- Fault concealed
- Syncline; dotted where concealed; arrows where plunging
- Strike and dip of beds
- Implied bedding
- Strike of vertical and subvertical joints

TRUE NORTH
MAGNETIC NORTH
12'
APPROXIMATE MEAN DECLINATION, 2005

SCALE 1:24,000
1 0.5 0 1 Miles
1 0.5 0 1 Kilometers

Derived from USGS SIM 3035, 2008
Geologic Map of the Fredonia 30' x 60' Quadrangle, Mohave and Coconino Counties, Northern Arizona
by George H. Billingsley, Susan S. Priest, and Tracey J. Felger
Legend may include map units or features outside quadrangle boundary

Maroney Well