



LIST OF MAP UNITS

SURFICIAL DEPOSITS

- Qaf Artificial fill and quarries
- Qs Stream-channel deposits
- Qps Ponded sediments
- Qd Dune sand and sand sheet deposits
- Qes Eolian sand sheet deposits
- Qae Young mixed alluvium and eolian 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

- Tcs Chinle Formation, Shinarump Member
- Tmu Moenkopi Formation, upper red member
- Tms Moenkopi Formation, Shnabkaib Member
- Tmm Moenkopi Formation, middle red member
- Tmv Moenkopi Formation, Virgin Limestone Member
- Tml Moenkopi Formation, lower red member
- Tmt Moenkopi Formation, Timpopeap Member
- Pkh Kaibab Formation, Harrisburg Member
- Pkt Kaibab Formation, Fossil Mountain Member

EXPLANATION

- Contact certain
- Fault certain; number is estimated offset in feet
- Fault concealed
- Anticline; dotted where concealed; arrows where plunging
- Syncline; dotted where concealed; arrows where plunging
- Monocline; dotted where concealed
- Dome
- Strike and dip of beds
- Implied bedding
- Strike of vertical and subvertical joints
- Collapse structure
- Sinkhole
- Mine; CU-copper, U-uranium

TRUE NORTH
MAGNETIC NORTH
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

Sunshine Ridge