U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

GEOLOGIC MAP OF THE NEW RIVER AREA, MARICOPA AND YAVAPAI COUNTIES, ARIZONA

By
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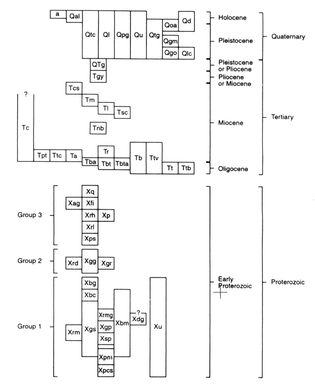
Arizona Geological Survey
Contributed Map CM-99-C
1999

LIST OF MAP UNITS

- a — Artificial fill
- Qal — Alluvium
- Qtc — Talus and colluvium
- Ql — Landslide
- Qpg — Pediment gravel
- Qu — Alluvium and pediment gravel
- Qd — Debris flow
- Qtg — Terrace gravel
- Qoa — Older alluvium
- Qgm — Sand, gravel,and silt
- Qgo — Older sand, gravel, and silt
- Qlc — Landslide and colluvium
- QTg — Boulder gravel, sand, and silt
- Tgy — Boulder gravel
- Tcs — Conglomerate and sandstone
- Tm — Siltstone and claystone
- Tl — Siliceous limestone and limestone
- Tsc — Sandstone and conglomerate
- Tnb — New River Mesa Basalt of Gomez (1979)
- Ta — Trachyandesite flow and lahar
- Tb — Basaltic rocks
- Ttc — Tuff and conglomerate
- Tc — Conglomerate and sandstone
- Tr — Rhyolite
- Tbt — Basaltic tuff
- Tba — Basaltic vent facies rock
- Tbta — Basaltic trachyandesite
- Tpt — Porphyritic trachydacite
- Ttv — Pyroxene trachydacite
- Tt — Trachyandesite
- Ttb — Trachyandesite breccia
- Xq — Quartz vein
- Xfi — Felsic metaintrusive rock
- Xag — Aplite and leucogranite
- Xp — Phyllite and altered andesite
- Xrh — High-silica rhyolite
- Xrl — Low-silica rhyolite
- Xps — Phyllitic slate, slate, and graywacke
- Xrd — Metarhyolite
- Xgg — Greenschist, greenstone, and phyllite
- Xgr — Graywacke, conglomerate, greenschist, and siltstone
- Xbg — Biotite-quartz gneiss
- Xbc — Biotite-quartz schist
- Xgs — Greenschist
- Xrm — metarhyolite and greenschist
- Xmg — Rhyolite of Moore Gulch
- Xgp — Greenschist and phyllite
- Xsp — Sericite phyllite
- Xpm — Phyllite, marble, and greenschist
- Xpcs — Sericite phyllite and chlorite-sericite phyllite
- Xbm — Banded iron formation and metachert
- Xdg — Metadiorite, metagabbro, and greenschist
- Xu — Undifferentiated Proterozoic rocks

CORRELATION OF MAP UNITS



MAP SYMBOLS

- Contact
- High-angle fault—Dashed where inferred; dotted where concealed. Bar and ball on downthrown side. Arrow and number show direction and amount of dip.

Strike and dip of bedding

- Inclined
- Overturned
- Vertical
- Top uncertain

Strike and dip of foliation or cleavage

- Inclined
- Vertical

Strike and dip of compaction or flow foliation

- Inclined

Bearing and plunge of mineral lineation—May be combined with foliation and cleavage

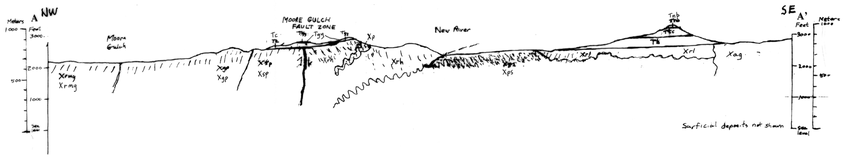
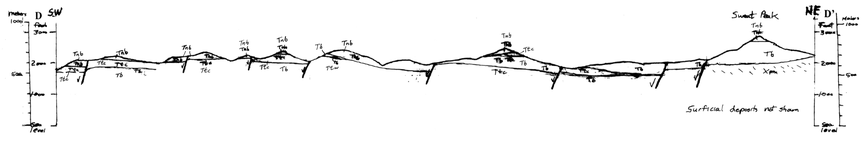
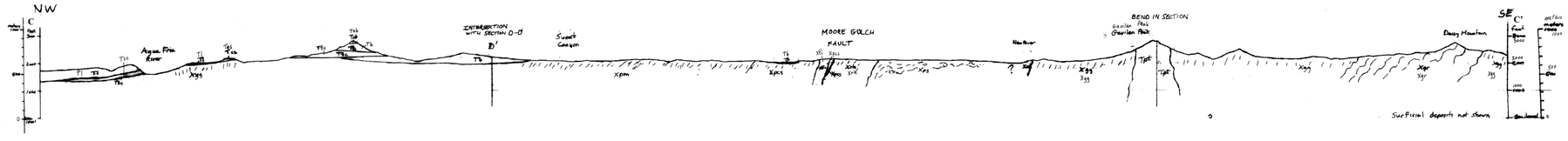
Prospect

Collection site of sample dated by whole-rock K-Ar. —Number is age in millions of years. References: E=Eberley and Stanley, 1978; S= Scarborough and Wilt 1979; D= Damon and others, 1996

Base from U.S. Geological Survey
New River and Daisy Mountain
quadrangles, 1964

SCALE 1:24 000
CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

ARIZONA
QUADRANGLE LOCATION

Geology mapped 1991-95;
assisted by J.D. Freeman, 1992
and H.N. Hinrichs, 1993