GEOLOGIC MAP OF THE
NORTHERN HUALAPAI
MOUNTAINS, MOHAVE
COUNTY, ARIZONA

Benjamin R. Siwiec
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GEOLOGIC UNITS

Active alluvium (Holocene) — Sands and gravels in active streams and
washes derived from all units below. Stream beds and washes not
apparently active are classified as the older alluvium and colluvium unit.

Older alluvium and colluvium (Holocene and Pleistocene) — inactive
stream channels, washes, and colluvial deposits including alluvial fan and
terrace materials. Sediments of this unit range in size from boulders to sand
and are derived from all units below.

Volcanic rocks (Tertiary) — Basalt flows with minor rhyolite flows in places.
Includes the Peach Springs tuff in some northern areas. Areas of volcanic
colluvium are included in this unit as well.

Granite (Mesoproterozoic) — Medium- to coarse-grained felsic intrusive
rocks. This unit is part of continental-scale 1.4 GA magmatic event. Locally contains magmatic foliation.

Orthogneiss (Paleoproterozoic) — Granite gneiss, precursors of the
Mesoproterozoic Granite. Contains strong metamorphic foliation with some mylonitic zones.

Granite, undifferentiated (Paleoproterozoic) — Contains granitic rocks of
many different textures and does not resemble any of the other units. Contains
a metamorphic foliation. No metamorphic rocks are present.

Migmatitic gneiss (Paleoproterozoic) — Strongly foliated, fine-grained
gneiss consisting of quartz, K-feldspar, plagioclase, biotite, and mylonite.

Amphibole (Paleoproterozoic) — Medium-grained quartz-feldspar-to plagioclase
with strong metamorphic foliation. Contains strong foliation and small mylonite
zones. Contains veins and dikes of pegmatite and dikes of Mesoproterozoic granite. Also contains xenoliths of igneous gneiss in places.

Mylonite zone — Contains strongly foliated, fine-grained gneiss with
strong metamorphic foliation. Contains strong foliation and small mylonite
zones. Contains veins and dikes of pegmatite and dikes of Mesoproterozoic granite. Also contains xenoliths of igneous gneiss in places.

Metasedimentary schist (Paleoproterozoic) — Contains psammites and
pelitic schists, amphibolite, and metamorphosed plastically deformed.

Contact, approximately located

Strike and dip of foliation, inclined

Fault, approximately located

MAP SYMBOLS

LOCATION MAP

SCALE 1:24,000

Study Area

Mojave County

Mohave County

Topographic base from USGS 7.5' Kingman and Kingman S quadrangles.
Base map digitized and published by Arizona Geological Survey in 1986. Last