COMPILATION GEOLOGIC MAP OF THE RENO PASS AREA, CENTRAL MAZATZAL MOUNTAINS, MARICOPA AND GILA COUNTIES, ARIZONA

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Scale 1:24,000, with text

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Map Units

Cenozoic sedimentary and volcanic units

- **Qal** Alluvium (late Quaternary)
- **Qtc** Talus and colluvium (late Quaternary)
- **Ql** Landslide deposits (Quaternary)
- **Qo** Old alluvium (Quaternary)
- **QTs** Younger clastic sedimentary rocks (Quaternary to Miocene)
- **Tcp** Post-tectonic conglomerate in Tonto Basin (Pliocene to Miocene)
- **Ts** Sandstone in Tonto Basin (Pliocene to Miocene)
- **Tms** Mudstone, siltstone, and marl in Tonto Basin (Pliocene to Miocene)
- **Tv** Volcanic rocks, undivided (Pliocene to Miocene)
- **Th** Felsic hypabyssal intrusion (Pliocene to Miocene)
- **Tvf** Felsic volcanic rocks (Pliocene to Miocene)
- **Tvfb** Felsic volcanic breccia (Pliocene to Miocene)
- **Tt** Felsic tuff (Pliocene to Miocene)
- **Tb** Basalt lava (Pliocene to Miocene)
- **Tbi** Basalt intrusion (Pliocene to Miocene)
- **Tts** Tuff, reworked tuff, and volcanic lithic sandstone and conglomerate, undivided (Miocene)
- **Tsv** Volcanic-lithic sandstone and conglomerate (Miocene)
- **Tbb** Biotite basalt (Miocene)
- **Tbbx** Biotite basalt with xenoliths (Miocene)
- **Tcs** Conglomerate and conglomeratic sandstone (Miocene)
- **Tx** Breccia (Miocene)
- **Tcg** Conglomerate (Miocene)

Intrusive Rocks

- **TXdd** Diorite dikes, unfoliated (Tertiary to early Proterozoic)
- **Xfi** Felsic hypabyssal intrusions, unfoliated (early Proterozoic)
- **Xpm** Pine Mountain porphyry, unfoliated (early Proterozoic)
- **Xggy** Green Valley Hills granophyre, unfoliated (early Proterozoic)
- **Xgs** Sunflower granite, unfoliated (early Proterozoic)
- **Xgr** Granite of Ram Valley, unfoliated (early Proterozoic)
- **Xgd** Granodiorite porphyry (early Proterozoic)
- **Xoa** Mt. Ord Andesite, foliated (early Proterozoic)

Proterozoic volcanic and hypabyssal rocks of the Red Rock Group

- **Xrr** Red Rock rhyolite (early Proterozoic)
- **Xfi** Felsic hypabyssal intrusions (early Proterozoic)
- **Xmi** Mafic to intermediate lava flows and hypabyssal intrusions (early Proterozoic)

Proterozoic Sedimentary and Volcanic Rocks of the Alder Group

- **Xma** Mafic to intermediate lava flows and hypabyssal intrusions associated with the lower Alder Group (Early Proterozoic)
- **Xp** Phyllite (early Proterozoic)
- **Xs** Psammite and minor phyllite (early Proterozoic)
- **Xq** Quartzite (early Proterozoic)
- **Xsc** Volcanic-lithic sandstone and conglomerate (early Proterozoic)
- **Xt** Tuff (early Proterozoic)
- **Xv** Volcanic rocks, undivided (early Proterozoic)
- **Xsv** Sedimentary and volcanic rocks, undivided (early Proterozoic)

Telephone Canyon member, Alder Group

- **Xss-tc** Cross-bedded quartzose sandstone, conglomerate, slate, and tuff (early Proterozoic)
- **Xq-tc** Quartzite (early Proterozoic)
- **Xr-tc** Massive rhyolite, tuff, and breccia (early Proterozoic)
- **Xre-tc** Rhyolite breccia grading into cobble conglomerate (early Proterozoic)

Oneida member, Alder Group

- **Xt-on** Tuff, tuff-breccias, and conglomerate (early Proterozoic)

East Fork member, Alder Group

- **Xp-ef** Phyllitic sedimentary rocks of the East Fork member (early Proterozoic)
- **Xt-ef** Tuff (early Proterozoic)
- **Xq-ef** Quartzite (early Proterozoic)

Cornucopia member, Alder Group

- **Xsv-c** Dacitic volcanic breccia, subaqueous volcanic-lithic tuff, mafic flows and pillow lava, and bedded chert (early Proterozoic)
- **Xch-c** Bedded chert (early Proterozoic)

Horse Camp member, Alder Group

- **Xss-hc** Volcanic lithic sandstone, sedimentary breccia, with minor conglomerate, slate, limestone, and quartzite (early Proterozoic)

West Fork member, Alder Group

- **Xp-wf** Phyllitic sedimentary rocks of the West Fork member (early Proterozoic)

Map Symbols

CONTACTS (dashed where approximately located, dotted where concealed)

- Intrusive or depositional contact
- High-angle fault, showing dip, ball on downthrown side

ATTITUDES (orientation of planar and linear features)

Bedding

- Bedding
- Approximate bedding
- Vertical bedding
- Horizontal bedding
- Upright bedding, top direction known
- Overturned bedding, top direction known

Foliation

- Foliation, type unspecified
- Vertical foliation, type unspecified
- Lithologic layering and parallel relict bedding
- Eutaxitic foliation in volcanic rocks, showing lineation orientation
- Igneous foliation, type unspecified
- Weak tectonic fabric (protomylonite)
- Moderate to strong tectonic fabric (protomylonite to mylonite)
- Disjunct cleavage (spaced fractures)