



**EXPLANATION**

**CORRELATION OF MAP UNITS**

Qa	Qb	Qc	Qd	Qe	Qf	Qg	Qh	Qi	Qj	Qk	Ql	Qm	Qn	Qo	Qp	Qq	Qr	Qs	Qt	Qu	Qv	Qw	Qx	Qy	Qz
Ta	Tb	Tc	Td	Te	Tf	Tg	Th	Ti	Tj	Tk	Tl	Tm	Tn	To	Tp	Tq	Tr	Ts	Tt	Tu	Tv	Tw	Tx	Ty	Tz
Ma	Mb	Mc	Md	Me	Mf	Mg	Mh	Mi	Mj	Mk	ML	Mm	Mn	Mo	Mp	Mq	Mr	Ms	Mt	Mu	Mv	Mw	Mx	My	Mz
Pa	Pb	Pc	Pd	Pe	Pf	Pg	Ph	Pi	Pj	Pk	Pl	Pm	Pn	Po	Pp	Pq	Pr	Ps	Pt	Pu	Pv	Pw	Px	Pz	

**DESCRIPTION OF MAP UNITS**

Qa ALLUVIAL, LACUSTRINE, HOLIAN, AND LANDSLIDE DEPOSITS

Qb BASALT—Lava flows and cinders of the Lunar Crater area

Qc BASALT AND ANDESITE—Flows, breccia, and shallow intrusions

Qd SEDIMENTARY ROCKS—Tuffaceous sandstone, siltstone, conglomerate, gravel, fresh-water limestone, and some tuff and diatomite. Includes the Siskiyou Formation

Qe PHYOLITIC ROCKS—Rhyolite to dacite flows and shallow intrusive rocks. Includes the Big Ten Peak Rhyolite

Qf INTERMEDIATE ROCKS—Andesite to latite flows, dikes, and shallow intrusions

Qg TUFF—Welded and non-welded ash-flow tuff

Qh GRANITIC ROCKS—Granite to granodioritic hypabyssal stocks, dikes and sills

Qi ASH-FLOW TUFF—Silicified and metasomorphosed ash-flow tuff. Includes the some volcanoclastic rocks and the Derrough Tuffite

Qj GRANITIC ROCKS—Includes pyroclastic granite, gneissoidite, quartz monzonite, diorite, and minor gabbro. Includes the Bell stock and the Lone Mountain, Cobb, Ellsworth, Trexler Hill, and Tashia Creek plutons

Qk WALKER LAKE TESSERAE

Ql CARBONATE-VOLCANICLASTIC ASSEMBLAGE—Upper Triassic and Lower Jurassic carbonate rocks, clastic and volcanoclastic rocks, and greenstone. Includes rocks of the Lunging and Shady Formations

Qm ANDESITIC GREENSTONE-VOLCANICLASTIC ASSEMBLAGE—Mesozoic and upper Paleozoic mafic volcanic rocks, volcanoclastic rocks, and minor mafic and chert

Qn VOLCANICLASTIC-CHERT ASSEMBLAGE—Permian volcanoclastic argillite, quartzite, and chert of the Mine Formation

Qo COLCOCHA ALLOCHTHON ROCKS

Qp CHERT-ARGILLITE ASSEMBLAGE—Mississippian to Permian chert, argillite, greenstone, and quartzite

**SEQUENCE WITHIN THE ANTLER OROGENIC BELT**

Qq CONGLOMERATE-CARBONATE ASSEMBLAGE—Mainly Mississippian to Permian conglomerate, quartzite, limestone, and argillite that locally includes Triassic rocks

Qr FORESTS MOUNTAINS ALLOCHTHON

Qs ARGILLITE-CHERT ASSEMBLAGE—Ordovician to Devonian argillite, chert, greenstone, and quartzite

Qt LIMESTONE-QUARTZITE-ARGILLITE-CHERT ASSEMBLAGE—Cambrian to Devonian shelf and ocean basin deposits. Includes the Palmetto Formation

Qu NORTH AMERICAN TESSERA

Qv CARBONATE ASSEMBLAGE—Cambrian to Devonian carbonate rocks, siltstone, and quartzite deposited on the continental shelf, and Mississippian to Permian carbonate and terrigenous detrital rocks deposited in a foreland basin east of the Antler orogenic belt

Qw QUARTZITE-SILTSTONE-CARBONATE ASSEMBLAGE—Precambrian Z and Cambrian quartzite, siltstone, phyllite, schist, limestone, and dolomite. Includes the Myson Formation and Reed Dolomite

**CONTACT**

— HIGH-ANGLE FAULT—Dashed where concealed

— LOW-ANGLE FAULT—Sawtooth on upper plate

— THRUST FAULT—Sawtooth on upper plate

— TRACTS

— ADDITIONAL PERMISSIVE AREAS

41 Location noted in text

AREAS IN THE TONOPAH 1° BY 2° QUADRANGLE, NEVADA WITH POTENTIAL FOR PORPHYRY MOLYBDENUM (LOW FLUORINE) AND (OR) COPPER, POLYMETALLIC VEIN, POLYMETALLIC REPLACEMENT, AND TUNGSTEN, IRON, COPPER, AND LEAD-ZINC SKARN DEPOSITS.



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This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.