



EXPLANATION

<p>Quaternary</p> <p>Quaternary and Holocene</p> <p>Tertiary</p> <p>Tertiary and Miocene</p> <p>Oligocene and Miocene</p> <p>Devonian and Mississippian</p> <p>Devonian</p> <p>Silurian</p> <p>Ordovician</p> <p>Cambrian</p> <p>Paleozoic</p>	<p>Qal Alluvium Includes stream gravels, talus, beach deposits, and terrace gravels</p> <p>UNCONFORMITY</p> <p>Tr Rhyolite</p> <p>Ti Intrusive quartz latite porphyry</p> <p>Tg Granite or quartz monzonite</p> <p>Tsn Shingle Pass(?) Tuff Mainly welded tuff</p> <p>Tsn Shingle Pass Tuff (Miocene) and Needles Range Formation (Oligocene) Mainly welded ash flows, locally include acidic dikes and flows</p> <p>UNCONFORMITY</p> <p>Ts Tts Sedimentary rocks Mainly conglomerate and tuffaceous conglomerate (Ts), but includes shale and limestone (Tts) and unwelded to slightly welded tuff (Tts). May include minor amounts of other sedimentary rocks</p> <p>UNCONFORMITY</p> <p>Mdu Chairman Shale, Joana Limestone, and Pilot Shale</p> <p>Du Devonian rocks, undifferentiated</p> <p>Sd Dolomite and limestone, undifferentiated May include some Devonian rocks</p> <p>Oe Eureka Quartzite</p> <p>Ocu Limestone and dolomite Locally includes some argillaceous limestone beneath the Windfall Formation</p> <p>Cml Argillaceous and silty limestone Includes some purer limestone</p> <p>Cpm Prospect Mountain Quartzite and Pioche Shale</p>	<p>Tu Tuffs and tuffaceous sedimentary rocks</p> <p>Tb Andesite and basalt</p> <p>Tvu Volcanic rocks, undivided Predominantly welded tuff, locally cut by dikes</p> <p>Gul Gulmette Formation Limestone and dolomite</p> <p>Dal Simonson Dolomite Dolomite with sandstone (Oss) at base</p> <p>Dss Sevy Dolomite Very light gray and very fine grained</p> <p>Ld Laketown Dolomite Light to dark gray</p> <p>Oss Ely Springs Dolomite Dark gray</p> <p>Op Pogonip Group Limestone and shaly limestone</p> <p>Cw Windfall Formation Thin-bedded cliff-forming limestone</p>	<p>Dikes and sills Mainly leucocratic</p> <p>Altered rock Igneous limestone, dolomite, and volcanic rock Tvs, silicified, pyritized, or epithermal volcanic rock</p>
---	--	--	--

<p>-----</p> <p>Dashed where gradual or approximately located; queried where doubtful; dotted where concealed</p>	<p>-----</p> <p>High angle fault, showing direction of dip Dashed where approximately located; dotted where concealed; queried where inferred. Bar and ball on downthrown side</p>	<p>-----</p> <p>Thrust fault Dashed where approximately located; dotted where concealed; queried where inferred. Sawtooth on upper plate</p>	<p>↑</p> <p>Anticline</p>
<p>↘ ↙</p> <p>Inclined Horizontal Vertical Strike and dip of beds</p>	<p>⊥</p> <p>Compaction foliation</p>	<p>⊙</p> <p>Fluorite deposits</p> <p>a. Deposit that has produced or been explored by adit b. Large deposit that has been explored only by trenches and diamond drill c. Small deposit or undeveloped prospect</p>	<p>●</p> <p>Base-metal lode Includes prospects and small mines</p> <p>⬇</p> <p>Gold-quartz lode Includes prospects and small mines</p>

Locality of text description of mines and prospects

Base from U. S. Geological Survey
Lund 1:250 000, 1956

SCALE 1:62 500

1 2 3 4 5 MILES

1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
DATUM IS MEAN SEA LEVEL
TRANSVERSE MERCATOR PROJECTION

Geology by Frank Kleinhamel and C. L. Sainsbury, 1956-65
assisted by J. I. Ziony, C. R. Willden, and R. J. Clark

RECONNAISSANCE GEOLOGIC MAP OF THE QUINN CANYON RANGE, NEVADA