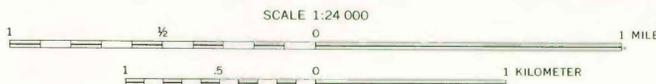
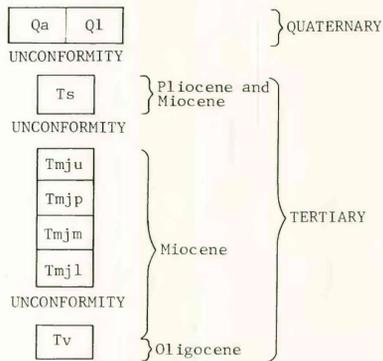


Base from U.S. Geological Survey, Sevier S.E. 1977

Geology by K.E. Budding, 1980



CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- Qa ALLUVIAL DEPOSITS (QUATERNARY)--Silts, sands, and gravels in alluvial fans, alluvial slope wash, and stream alluvium
- Ql LANDSLIDE DEBRIS (QUATERNARY)
- Ts SEVIER RIVER FORMATION (PLIOCENE AND MIOCENE)--Poorly to moderately consolidated fluviatile and lacustrine conglomerate, sandstone, and siltstone with interlayered airfall tuffs
- Tmju MOUNT BELKNAP VOLCANICS (MIOCENE)
Joe Lott Tuff Member, upper cooling unit--Gray, poorly welded alkali rhyolite ash-flow tuff containing 1 percent phenocrysts. K-Ar is about 18-19 m.y.
- Tmjp Joe Lott Tuff Member, pink cooling unit--Two pink, poorly to moderately welded, easily eroded, pumice-rich alkali rhyolite ash-flow tuffs separated by a prominent air-fall layer. Ash-flow contains slightly less than 1 percent phenocrysts
- Tmjm Joe Lott Tuff Member, middle cooling unit--Gray to light-gray, moderately welded alkali rhyolite ash-flow tuff containing less than 1 percent phenocrysts at the base and 1 percent phenocrysts at the top
- Tmj1 Joe Lott Tuff Member, upper cooling unit--Mauve to light gray, densely welded alkali rhyolite ash-flow tuff at the base containing less than 1 percent phenocrysts, grading upward to white to light gray, poorly welded ash-flow tuff containing about 3 percent phenocrysts.

- Tv INTERMEDIATE COMPOSITION OF VOLCANIC ROCKS (MIOCENE AND OLIGOCENE)--Predominately Three Creeks Tuff Member of the Bullion Canyon Volcanics consisting of densely welded, light-gray, crystal-rich quartz latite ash-flow tuff. Also includes: 1) Bullion Canyon Volcanics consisting of heterogeneous lava flows, flow breccia and volcanic mudflow breccia, local intrusive rocks, and minor tuffaceous sedimentary rocks; 2) minor amounts of Osiris Tuff consisting of gray to reddish-brown, densely welded, crystal-rich ash-flow tuff; 3) basaltic andesite consisting of vesicular black to dark-gray lava flows; 4) Tuff of Albinus Canyon, consisting of red to gray vesicular densely welded ash-flow tuff with prominent fluidal textures

- CONTACT
- ····· FAULT--Dotted where covered. Bar and ball on downthrown side.
- 25° STRIKE AND DIP OF COMPACTION FOLIATION
- 10° STRIKE AND DIP OF SEDIMENTARY BEDS OR LAVA FLOWS

Note--Parts of the geologic base modified from Steven, T.A. and Cunningham, C.G., 1979, Geologic map of the Sevier SE quadrangle, west-central Utah: U.S. Geological Survey Map MF-1109.