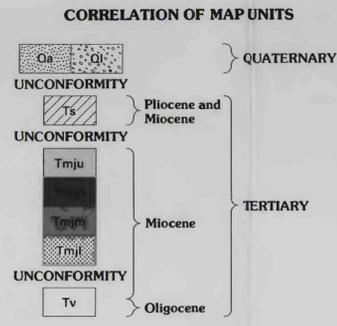
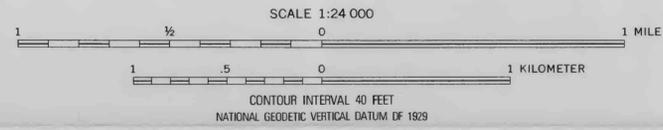




Base from U.S. Geological Survey,
Sevier S.E. 1977

Geology by K.E. Budding, 1980



DESCRIPTION OF MAP UNITS

Qa ALLUVIAL DEPOSITS (QUATERNARY)—Silt, 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 fluvial and lacustrine conglomerate, sandstone, and siltstone with interlayered airfall tuffs

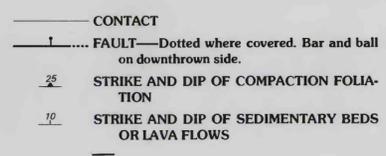
Tmju MOUNT BELKNAP VOLCANICS (MIOCENE)
Joe Lott Tuff Member, upper cooling unit—Gray, poorly welded alkali rhyolite ash-flow tuff containing 1 percent phenocrysts. K-Ar age is about 18–19 m.y.

Tmjm 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

Tmj 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

Tmj Joe Lott Tuff Member, lower 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 VOLCANIC ROCKS (MIOCENE AND OLIGOCENE)—Predominately Oligocene 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 Miocene Oasiris 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.



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.

GEOLOGIC MAP OF THE JOE LOTT TUFF MEMBER, MOUNT BELKNAP VOLCANICS, EAST END OF CLEAR CREEK CANYON, MARYSVALE VOLCANIC FIELD, WEST-CENTRAL UTAH