

EXPLANATION

- Qal Alluvium
- Qsw Slope wash
- Qls Landslide material
- Qg Gravel deposits on high surfaces

Salt Lake formation

Mainly friable white volcanic ash and welded tuff, with some conglomerate, bentonitic ash, greenish-gray shale and brown carbonaceous shale. Divided at most places into an upper part (Tslu) and a lower part (Tsl) at the base of a persistent bed of welded tuff. Includes carbonaceous shale zones A, B, and C, and Barrett carbonaceous shale zone

Payette(?) formation

Greenish-gray tuffaceous shale and white volcanic ash, a few lenticular beds of carbonaceous shale and conglomerate. Includes Grant and Worthington carbonaceous shale and lignite zones

Rhyolite

Quartzite, marble and cherty limestone

In the western part of the area, mostly gray cherty limestone; in the eastern part, gray quartzite, marble, and cherty limestone

Contact

Dashed where approximately located

Base of welded tuff

Dashed where approximately located, dotted where concealed

Base of conglomerate

Dashed where approximately located

Base of carbonaceous shale or lignite zone

Dot shows locality where carbonaceous shale or lignite was examined; numbered localities are referred to in text; A, indicates an auger hole; C, indicates core hole

Outcrop of burned carbonaceous shale or lignite

Short dashes show limit of clinkered surface rock

Fault

Dashed where approximately located, dotted where concealed; U, upthrown side; D, downthrown side

Strike and dip of beds

Syncline

Structure contours

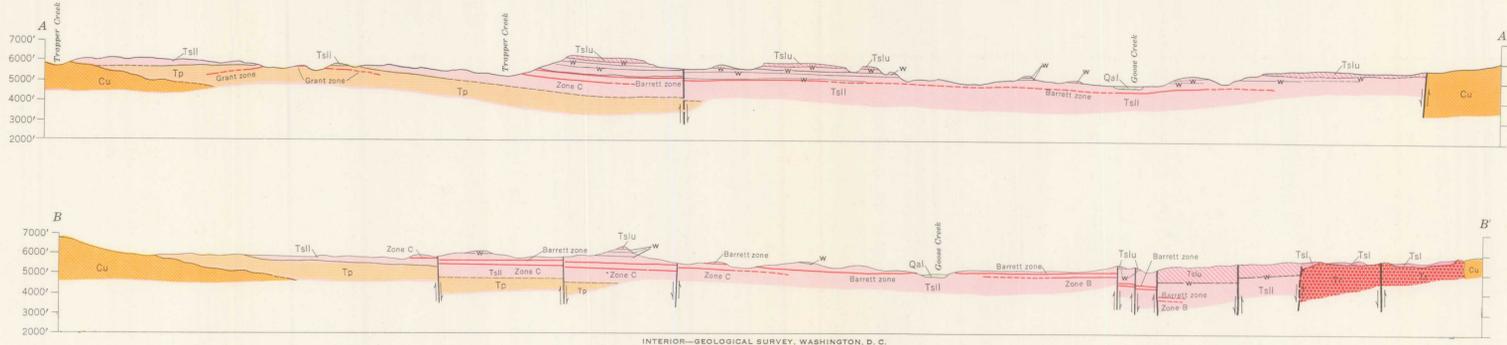
Drawn on top of the Barrett carbonaceous shale zone. Dashed where approximately located. Contour interval 100 feet. Datum is mean sea level

Silver, lead, zinc mine

Lignite mine or prospect

Spring

Irrigation canal



Base map prepared from planetable triangulation, aerial photographs, and Bureau of Land Management plats

Geologic mapping by W. J. Mapel, W. J. Hall, Jr., J. N. Babcock, and J. E. Conkin, 1952

GEOLOGIC AND STRUCTURE CONTOUR MAP AND SECTIONS, GOOSE CREEK DISTRICT, CASSIA COUNTY, IDAHO, BOX ELDER COUNTY, UTAH, AND ELKO COUNTY, NEVADA

