UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OPEN FILE MAP

Base from U.S. Geological Survey
Hot Peak 1:62500, 1964

Geology by R. R. Coats, assisted by K. A. Howard, 1960–66

EXPLANATION

QUATERNARY

Qal — Alluvium
Stream deposits and alluvial fans

Tb — Feeder dikes; Eruptive center
Banbury Formation
Olivine basalt, rhyolitic tuff and volcanic loess, and gravel. Hachured line indicates scarp formed by erosion of basalt flows

TERTIARY

Tcc — Circle Creek Rhyolite
Porphyritic tavalite–ferro-augite rhyolite

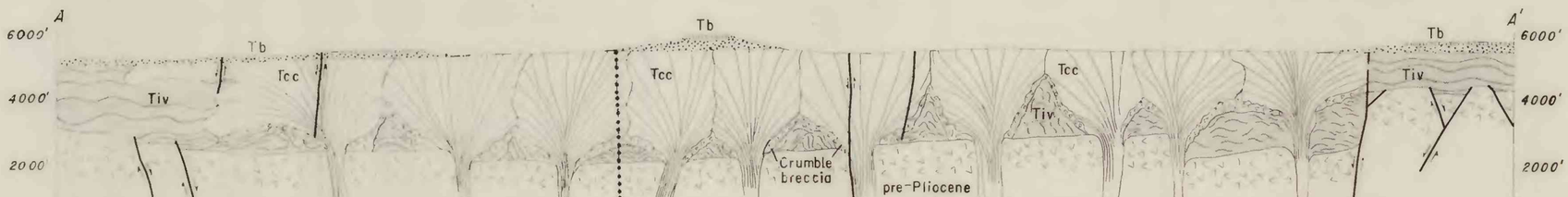
Tiv — Upper part of Idavada Volcanics
White air-fall tuff and buff volcanic loess of rhyolitic composition

Contact
Dashed where approximately located

Fault
Dashed where approximately located, dotted where concealed; ball on downthrown side

Strike and dip of beds (in Idavada Volcanics)
Trend lines without dip were mapped from aerial photographs

Horizontal
Vertical
Strike and dip of flow layering
Standard symbols are from field observations. Extended trend lines show continuous layering. Trend lines without dip indications were mapped from aerial photographs. Arrow shows bearing and plunge of lineation



GEOLOGIC MAP AND SCHEMATIC CROSS SECTION OF THE CIRCLE CREEK RHYOLITE LEKOLITH
ELKO COUNTY, NEVADA

By
R. R. Coats

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