

EXPLANATION

Holocene



Qal
Alluvium

Pleistocene



Qls
Landslide debris



Qs
Lake beds
Poorly consolidated silt, sand,
gravel, and minor diatomite
in pluvial lake basins



Qg
Terrace gravels and old
alluvium

Miocene

Unconformity



Tb
Basalt of Coleman Rim

Mostly olivine-bearing, locally plagioclase-rich basalt as flows and flow breccia. Intergranular, ophitic to sub-ophitic, and diktytaxitic textures common. Locally includes some olivine basaltic andesite flows with pilotaxitic to trachytic textures. Minor interbedded tuffaceous sedimentary rocks present locally. Flows at top of sequence have normal magnetic polarity; some flows lower in sequence exhibit reversed polarity. One flow near top of Coleman Rim dated at 8.5 m.y. and one on Shoestring Butte at 10.5 m.y. Earlier workers (Hedgcock, 1959; Cohenour, 1960) correlate these flows with the Warner basalt of Russell (1928) which has been shown (Gay and Aune, 1958) to include Miocene, Pliocene, and Pleistocene basaltic units.



Tr
Trf
Rhyolite

Mostly sparsely porphyritic, stony to glassy, commonly perlitic rhyolite; locally strongly flow-banded and jointed and, in flows commonly lithophysal. Both older and younger than parts of unit Tb.

Tr, rhyolite domes and intrusives

Trf, probable rhyolite flows

? Unconformity ?



Tsv
Tav
Tuffs, tuffaceous sedimentary rocks
and flows

Tsv, rhyolitic tuff and ash-flow tuff; bedded rhyodacitic tuffaceous sedimentary rocks, including volcanoclastic and epiclastic deposits; volcanic breccias, probably in part mudflow (lahar) deposits; palagonitic tuff and breccia, particularly in upper part of unit; a few thin interbedded flows of andesite and basalt. Locally contains sparse plant and vertebrate fossils, indicating late(?) Oligocene and/or early Miocene age. Glass in tuffs mostly devitrified and partly altered to clay and zeolites.

Tav, andesite and basalt flows that have been mapped separately

Unconformity



Ta
Andesitic rocks

Altered porphyritic andesite or mafic dacite flows, breccia, and volcanoclastic deposits; some aphanitic rhyodacite flows; rare basalt or basaltic andesite flows. To northeast, in Paisley Hills, intruded by small granitoid stocks dated at about 32-33 m.y.

Contact
(Dashed where approximately located;
short dashed where inferred)

Fault
(Dashed where approximately located, dotted where
concealed. Bar and ball on down-thrown side)

Fracture zone

Exhumed landslide surface

Strike and dip of beds

Horizontal beds

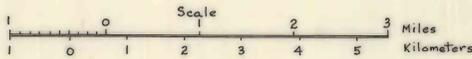
Outcrop of resistant bed

Flow jointing or banding

Mine dumps

QUATERNARY

TERTIARY



Base from USGS 7.5' Topo Series: Coleman Point;
Shoestring Butte; Clover Flat; Cougar Peak; Cox
Flat; Big Baldy; Drews Gap; 20 ft; Lakeview, N.
W., 10 ft; 1964.

This map is preliminary and has not
been edited or reviewed for conformity
with Geological Survey Standards and
nomenclature.

GEOLOGIC MAP OF THE LAKEVIEW URANIUM AREA, LAKE COUNTY, OREGON

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