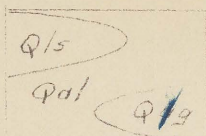
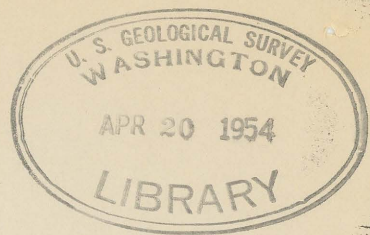
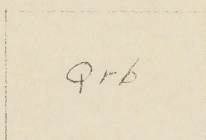


(200)
R290
no. 251

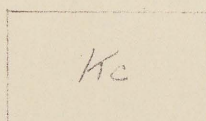
Explanation



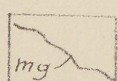
Quaternary deposits
(Qal, soil, talus, and slope wash; Qls, landslide; Qg, Recent sand and gravel)



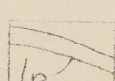
Red Bluff formation
(Sand, gravel)
(Qrb?, probably Red Bluff but may be in part Recent)



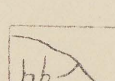
(Sandstone, shale, minor conglomerate)
Chico formation



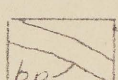
Metagabbro



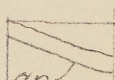
Lamprophyre



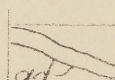
Hornblende



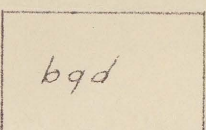
Birdseye porphyry
(Includes diorite porphyry and dacite porphyry.)



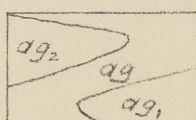
Andesite Porphyry



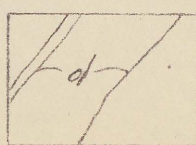
Felsic dike rocks
(Related to biotite-quartz diorite. Includes dacite porphyry and diorite porphyry.)



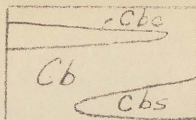
Shasta Bally batholith
(Biotite-quartz diorite)



Mule Mountain stock
(Albite granite)
(ag, trondjemite; ag₁, siliceous, pseudo-porphyrific albite granite; ag₂, intrusive breccia of albite granite.)

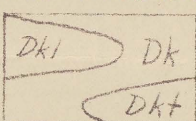


Diabase dikes and sills

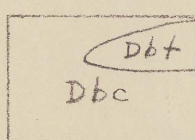


Bragdon formation
(Cb, shale, siltstone; Cbc, conglomerate, sandstone, and grit; Cbs, black siliceous shale.)

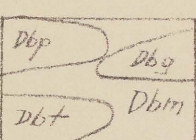
Minor local erosional unconformities



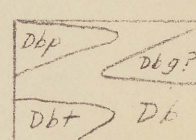
Kennett formation
(Dk, black and gray shale, mostly siliceous; Dkl, limestone; Dkt, tuffaceous sediment.)



Porphyritic rhyolite
(Quartz phenocrysts over 4 mm. Coarse phenocryst rhyolite characteristic of the upper unit of the Balaklala.)



Porphyritic rhyolite
(Quartz phenocrysts 1 to 4 mm. Medium phenocryst rhyolite. Characteristic of the middle unit of the Balaklala.)

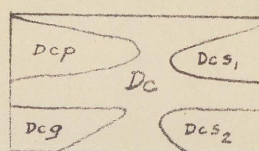


Nonporphyritic rhyolite
(Characteristic of the lower unit of the Balaklala.)

Balaklala rhyolite

(Dbp, coarse pyroclastic rocks - included coarse and fine volcanic breccia, volcanic conglomerate, and flow breccia; Dbt, tuff - includes lithic and crystal tuff and tuffaceous sediment; Dbg, greenstone; Dbg?, greenstone that is probably in the Balaklala, but that might be windows of Copley greenstone.)

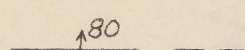
Intrusive not distinguished from extrusive rhyolite



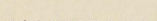
Copley greenstone
(Dcp, pyroclastic rock; Dcs, shale, shaly tuff and sandstone; Dcs₂, greenstone tuff and mixed tuff and fine-grained greenstone pyroclastics; Dcg, gneiss, migmatite and amphibolite.)

Geologic contact

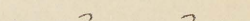
(Solid where accurately located, long dash where approximately located, short dash where gradational or inferred.)



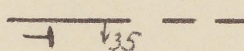
Fault showing dip
(dashed where approximately located.)



Concealed fault



Probable fault



Thrust fault, showing dip
(T, overthrust block)