GEOLOGIC SKETCH MAP OF THE BEAVER CREEK AREA, CLEARWATER COUNTY, IDAHO

INTRUSIVE ROCKS

Granite and quartz monzonite dikes and sills
Granitic rocks, very light to brownish-gray, flow to medium-grained, contain abundant phenocrysts of quartz, orthoclase, and biotite. Many small dikes and sills occur, with quartz and alkali feldspar phenocrysts.

Quartz monzonite
Flow to medium-grained pegmatitic rocks, includes small interbeds of subparallel pegmatitic masses in large interbed ortholithic masses. Batholith is a common rock constituent; many small intrusions along Beaver Butte and Beaver Creek have scattered small interbeds of quartzite.

Quartz diorite
Bodies within or near to quartz monzonite consist of medium-grained dark to brownish-gray plagioclase-hornblende rock with quartz and biotite in varying amounts. Lath-shaped medium plagioclase crystals, hornblende, biotite, and quartz fill intergranular spaces. This rock is a porphyritic granitic and gneissic rock. Plagioclase subhedral to subangular and euhedral.

Gneiss
Dark-gray coarse- to medium-grained plagioclase-hornblende granite rock, with albite feldspar.

METAMORPHIC ROCKS

Anorthosite
White to blackish-gray medium- to coarse-grained rock, contains two phases: anorthite and hornblende. It is locally albite. Plagioclase forms laths or black bands, hornblende, biotite, and chlorite are dark constituents.

Amphibolite and garnet amphibolite
Small bodies of dark, subcalcite medium-grained plagioclase-hornblende rock with or without quartz, biotite, and garnet.

Wallace formation
We, coarse-grained gneiss-mica schist with layers rich in sillimanite and others containing phlogopite. We, two or more units of thin-bedded diopside gneiss, biotite gneiss, and biotite quartzite interbedded with schist.

Revet quartzite
 Thick-bedded coarse- to medium-grained pure quartzite with thin micaceous laminae. Some layers contain sillimanite; others contain biotite.

Pritchard formation
We, coarse to medium-grained gray hornfels-mica schist that shows yellow-brownish chlorite veins in unrestored schist and some interbedded biotite quartzite and biotite gneiss.

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GEOLOGY BY ANNA HATANEN 1952-58

Planimetered by Forest Service on basis of aerial photographs 1935-39

1 0 2 0 1 MILE

1 0 2 0 1 KILOMETER

EXPLANATION

Contact
Deformed where approximately located
Fault, showing dip
Deformed where approximately located; D, downthrow side

Bearing and plunge of mineral fold axis
Strike and dip of beds
Strike of vertical beds
Strike and dip of foliation
Strike of vertical foliation
Bearing and plunge of lineament
Point of observation at base of sewer

Strike and dip of beds and plunge of lineament
Strike and dip of joints
Strike of vertical joints
Dike, undifferentiated, showing dip
Locality and specimen number