

Planimetric strip maps compiled by Forest Service on base of aerial photographs 1936-39

Geology by Anna Hietanen 1952-58

EXPLANATION

INTRUSIVE ROCKS



Granitic and quartz monzonitic dikes and sills

Granitic rocks, very light- to brownish-gray, fine- to coarse-grained, contain abundant phenocrysts of quartz, orthoclase, and albitic plagioclase. Quartz monzonitic rocks, light- to medium-gray, with quartz and oligoclase phenocrysts



Quartz monzonite

Fine- to medium-grained light-gray rock, includes small sub-hedral to euhedral zoned plagioclase grains in large anhedral orthoclase grains. Biotite is a common dark constituent; many outcrops near Beaver Butte and Beaver Creek have scattered small clusters of cordierite



Quartz diorite

Bodies within or next to quartz monzonite consist of medium-grained dark- to brownish-gray plagioclase-hornblende rock with quartz and biotite in varying amounts. Lath-shaped zoned plagioclase crystals, hornblende, biotite, and quartz fill interstices. Quartz diorite elsewhere is medium- to coarse-grained and equigranular. Plagioclase subhedral to anhedral and zoned



Gabbro

Dark-gray coarse- to medium-grained plagioclase-hornblende-augite rock, with olivine locally

METAMORPHIC ROCKS



Anorthosite

White to light-gray medium- to coarse-grained rock, contains two plagioclases, andesine and bytownite, is locally foliated or shows bedding like structure. Hornblende, biotite, and chlorite are dark constituents



Amphibolite and garnet amphibolite

Small sill-like bodies of dark well-foliated medium-grained plagioclase-hornblende rock with or without quartz, biotite, and garnet



Wallace formation

ws, coarse-grained garnet-mica schist with layers rich in sillimanite and others containing plagioclase  
wg, 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



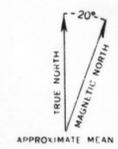
Prichard formation

ps, coarse- to medium-grained gray garnet-mica schist that shows shiny bronze-colored cleavage planes on weathered surface and some interbedded biotite quartzite and biotite gneiss  
pl, lime-silicate rock  
pq, micaceous medium-grained granular quartzite interbedded with schist



TERTIARY  
Lower Cretaceous  
CRETACEOUS  
PRECAMBRIAN TO CRETACEOUS(?)  
PRECAMBRIAN

- Contact  
Dashed where approximately located
- Fault, showing dip  
Dashed where approximately located; U, upthrown side; D, downthrown side
- Bearing and plunge of minor fold axis
- Strike and dip of beds
- Strike of vertical beds
- Strike and dip of foliation
- Strike of vertical foliation
- Bearing and plunge of lineation  
Point of observation at base of arrow
- Strike and dip of beds and plunge of lineation
- Strike and dip of joints
- Strike of vertical joints
- Dike, undifferentiated, showing dip
- Locality and specimen number



APPROXIMATE MEAN DECLINATION, 1962

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

