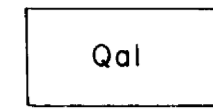
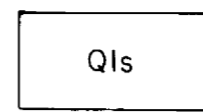


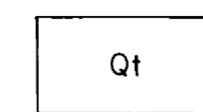
Quaternary



Alluvium



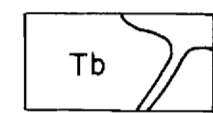
Landslide Deposits



Talus deposits

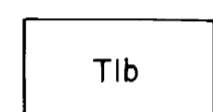
Layered Rocks

Intrusive Rocks



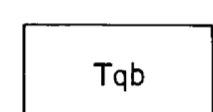
Basalt Lava Flows and Dikes

Dark grey to black, aphanitic groundmass with up to 2% fine- to medium-grained, corroded phenocrysts of quartz and plagioclase. Thickness unknown.



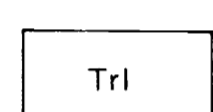
Quartz Latite Breccia

Brownish-grey to brown auto-breccia with 15% phenocrysts of plagioclase, quartz, hornblende, and biotite. Seventy-five percent of the rock is sub-angular to sub-rounded breccia fragments less than 2 cm. long. Thickness unknown.



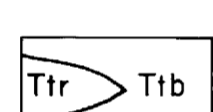
Biotite Quartz Latite Tuff

Brown to reddish-brown to grey, moderately welded with up to 1% rock fragments and 55% fine- to medium-grained phenocrysts of biotite, plagioclase, hornblende, and quartz. Fine, evenly distributed biotite phenocrysts are a prominent feature. Thickness unknown.



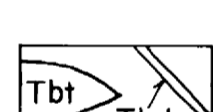
Rhyolite Lava Flow

Brownish-red to greenish-brown, aphanitic, occasionally brecciated unit with 1% phenocrysts of quartz, plagioclase, hornblende, and biotite. Up to 300 feet thick.



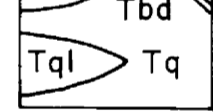
Tuff and Breccia of Rams Creek

Ttb - Variable unit composed of greenish-grey to multi-colored tuffs and breccias. Thickness unknown.



Basaltic Andesite

Tbt - Brownish-black to purplish-brown pyroclastic flow tuff with up to 15% rock fragments and 20% phenocrysts of plagioclase, biotite, and hornblende. Thickness unknown. Tbd - dikes similar to Tbt but without rock fragments.



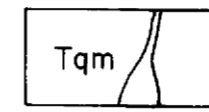
Quartz Latite Tuff of Little Jacket

Tql - Brown, moderately welded with prominent fine-grained biotite phenocrysts. Similar to biotite quartz latite tuff (Tqb). Up to 300 feet thick.



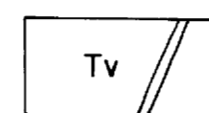
Quartz Latite Tuff

Tq - Grey, aphanitic groundmass with up to 45% medium-grained phenocrysts of plagioclase, biotite, and hornblende. Greater than 1200 feet thick.



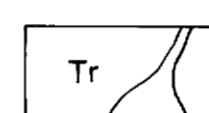
Quartz Monzodiorite

Light grey, fine-grained, equigranular appearing rock composed of brecciated, polygonal crystals and a few rock fragments.



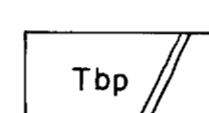
Vitrophyre

Dark green, porphyritic with up to 15% phenocrysts of quartz and feldspar.



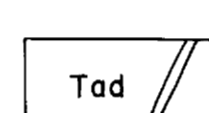
Rhyolite Porphyry

Grey to buff to greenish-grey, porphyritic with 5 to 20% fine- to medium-grained phenocrysts of rounded quartz and subhedral to euhedral feldspar in an aphanitic to fine-grained groundmass. Some dikes are spherulitic.



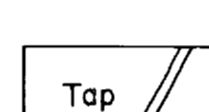
Basalt Porphyry Dikes

Greenish-grey, porphyritic with 25% phenocrysts of plagioclase, biotite, and augite.



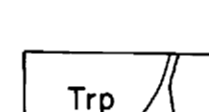
Biotite Andesite Porphyry Dikes

Grey, aphanitic groundmass with up to 45% medium-grained plagioclase, biotite, and hornblende phenocrysts. Megascopically identical to grey quartz latite tuff (Tq).



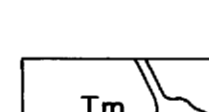
Andesite Porphyry Dikes

Dark grey to dark greenish-grey, aphanitic, glomeroporphyritic with stubby plagioclase phenocrysts.



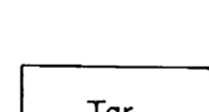
Coarse Rhyolite Porphyry Dikes

Buff to light brown, aphanitic to fine-grained with up to 50% coarse phenocrysts of plagioclase, sanidine, quartz, and biotite. Feldspar phenocrysts may be up to 2.5 cm. long.



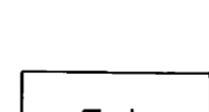
Mirolitic Rhyolite Porphyry

Grey to reddish or buff with up to 50% phenocrysts of plagioclase, sanidine, quartz, and biotite in an aphanitic groundmass. Mirolitic cavities are always prominent.



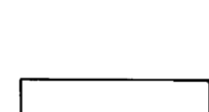
Biotite Granite

Medium-grained with up to 15% biotite and hornblende. Pink orthoclase phenocrysts up to 3 cm. long may be present. Biotite grains are much more prominent than hornblende crystals.



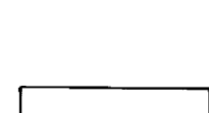
Quartz Diorite

Medium-grained, fresh appearing with up to 16% biotite, hornblende, and a small amount of augite.



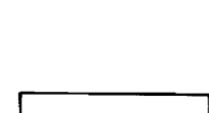
Casto (?) Granite

Light grey to white, medium- to coarse-grained with less than 3% mafic minerals. May be coated with reddish-brown limonite stain.



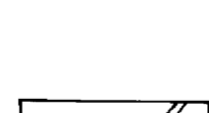
Diorite

Dark grey, fresh appearing, medium-grained with up to 45% hornblende. Fine-grained and coarse-grained varieties may be present in the same outcrop. Green quartz-epidote coatings are common on fracture surfaces.



Quartz Latite Porphyry

Grey to dark green with up to 50% phenocrysts of plagioclase, biotite, hornblende, and quartz in an aphanitic groundmass. Weathered surfaces may have a pitted appearance due to disintegration of phenocrysts.



Porphyritic Felsite Dikes

Grey to light greenish-grey, aphanitic, porcelainous with up to 7% phenocrysts of quartz, plagioclase, and orthoclase.



Quartz Syenite to Granite

Greenish-grey to light brown, medium- to coarse-grained with variable quartz content. Quartz may show fluxion structure in moderately to strongly cataclastic rocks.

Syenite

Light brown to grey to dark greenish-grey, medium- to coarse-grained, with up to 12% magnetic, altered mafic minerals. In many places the rock is cut by dark green mylonite zones up to several millimeters wide.

Symbols

Geologic contact; dashed where approximate.

Block fault; dashed where approximate.

Thrust fault; teeth on upper plate; dashed where approximate.

Strike and dip of foliation in contact metamorphic rocks.

Strike and dip of bedding in sedimentary rocks, and layering in volcanic rocks.

Arrow showing dip of dike.

Quartz vein; arrow shows dip.

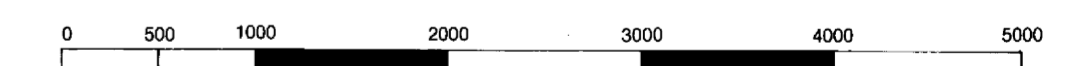
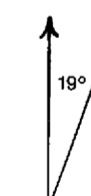
Cataclastic rocks including mylonites and cataclasites; arrow shows dip.

Outcrop; size of small outcrops is exaggerated.

Rock fragments.

Foundered block.

N



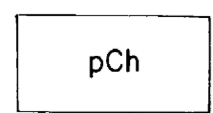
Scale: 1 inch = 1000 feet
Contour interval = 40 feet

Base map is enlargement of parts of Duck Creek Point and Yellowjacket, Idaho 7.5 minute quadrangle U.S.G.S. topographic maps.

Tertiary (Eocene)

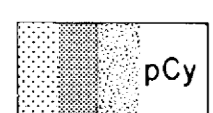
Cambrian? to Ordovician?

Precambrian Y



Hoodoo Quartzite

White, fine-grained to very fine-grained, laminated quartzite. May have light brown limonite staining.



Yellowjacket Formation

Dark grey, very fine-grained, laminated to thin-bedded quartzite. Includes some green chloritic quartzite, light grey quartzite, and chlorite schist. Metamorphic equivalents: banded hornfels - coarsely dotted, migmatite - finely dotted, skarn - stippled.