

GEOLOGIC UNITS

SEDIMENTARY AND VOLCANIC DEPOSITS AND ROCKS

QUATERNARY SEDIMENTARY DEPOSITS

Qa	Alluvium
Qls	Landslide deposits
Qgl	Glacial drift
Qpo	Outwash
Qgt	Till
Qgl	Glaciolacustrine

TERTIARY SEDIMENTARY AND VOLCANIC ROCKS

Ecgs	Tiger Formation
Eva	Andesite flows
Evc	Volcanic conglomerate
Evdab	Sanpoil Volcanics, breccia
Evd	Sanpoil Volcanics, flow rock
Eco	O'Brien Creek Formation
Ecgs	O'Brien Creek Formation, conglomerate

MESOZOIC SEDIMENTARY ROCKS

uKgs	Sophie Mountain Formation
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MESOZOIC METASEDIMENTARY AND METAVOLCANIC ROCKS

Rosland Group	
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Jmv	Greenstone
Jm	Metasedimentary and metavolcanic rocks
Jcgr	Conglomerate

Utr	Upper Triassic metasedimentary rocks
Utr	Carbonate rocks
Utr	Metasedimentary rocks

PALEOZOIC AND PRECAMBRIAN METASEDIMENTARY AND METAVOLCANIC ROCKS

Permian metasedimentary rocks

Pm	Mount Roberts Formation
Pm	Argillite and limestone near Kettle Falls
Pcb	Carbonate near Kettle Falls

Carboniferous-Devonian(?) metasedimentary and metavolcanic rocks

CDmm	Metasedimentary rocks
CDmv	Greenstone
CDcb	Carbonate rock
CDmt	Metasedimentary and metavolcanic rocks

Carboniferous-Oreocian(?) metasedimentary and metavolcanic rocks near Echo Valley

COmv	Greenstones and greenschist
COq	Quartzite
COMt	Green argillite and tuff
COcb	Carbonate rock
COcg	Conglomerate
COMm	Metasedimentary rocks

Devonian metasedimentary rocks north of Meteline Falls

uDb	Limestone on Limestone Hill
mDcg	Limestone and limestone conglomerate

Silurian metasedimentary rocks

Scg	Quartz granule conglomerate on Basalt Hill
Smm	Metasedimentary rocks

Ordovician, Cambrian, and older metasedimentary rocks

Om	Argillite on Red Top Mountain
Om	Ledbetter Slate

Meteline Formation

O Ccb	Massive limestone
O Ccb	Bedded dolomite
O Ccb	Bedded limestone

Maitlen Phyllite

Cplm	Maitlen Phyllite
Ccb	Limestone and dolomite

Gypsy Quartzite

CZq	Undivided
CZq	Upper argillite unit
CZq	Coarse quartzite and argillite unit
CZq	Purple quartzite unit
CZq	Lower argillite unit
CZq	Basal quartzite unit

Quartzite of Miller (1974b)

Pzq	Quartzite of Miller (1974b)
Pzcb	Upper dolomite of Miller (1974b)
Pzcb	Lower carbonate of Miller (1974b)

Precambrian metasedimentary and metavolcanic rocks

Windermere Group

Zqt	Three Sisters Formation
Zmm	Maak Formation
Zmv	Leola Volcanics
Zph	Shedrool Conglomerate
Zls	Phyllite
Zls	Limestone
Zls	Conglomerate
Zls	Quartzite

Priest River Group

Yar	Upper argillite
Yar	Carbonate
Yar	Lower argillite
Yq	Quartzite
Ys	Calc-silicate

Belt Supergroup

Yms	Striped Peak Formation
Ymsw	Wallace Formation-upper unit
Ymsw	Wallace Formation-lower unit
Yms	St Regis Formation
Yms	Revelt Formation
Yms	Burke Formation
Yms	Richford Formation

INTRUSIVE ROCKS

TERTIARY INTRUSIVE ROCKS

Eii	Mafic dikes
Eic	Coryell intrusive rocks
Eis	Sheppard Granite
Eik	Shonkinite
Eida	Dacite dikes
Eigd	Undivided granitic rocks near Hoskone Ridge
Eir	Rhyolite granophyre
Eib	Diorite

CRETACEOUS INTRUSIVE ROCKS

Intrusive rocks on the lower plate of the Newport fault

Kia	Starvation Flat Quartz Monzonite
Kia	Biotite granite near Nuxsice Creek
Kiat	Undivided two-mica granitic rocks

Spirit pluton

Kiatp	Alaskite
Kiatp	Biotite granite
Kiatp	Biotite quartz monzonite

Intrusive Rocks on the upper plate of the Newport fault

Kiatp	Monzogranite of Granite Pass
Kiatp	Monzogranite of Middle Creek
Kiatp	Monzogranite of Hungry Mountain
Kiatp	Monzogranite of Gleason Mountain
Kiatp	Granodiorite of Le Clerc Creek
Kiatp	Granodiorite of Molybdenite Mountain

Hall Mountain Intrusives

Kiatp	Loop Creek pluton of the granodiorite of Hall Mountain
Kiatp	Paupac Creek pluton of the granodiorite of Hall Mountain
Kiatp	Tillikum Peak pluton of the granodiorite of Hall Mountain
Kiatp	Harvey Creek pluton of the granodiorite of Hall Mountain
Kiatp	Hall Mountain pluton of the granodiorite of Hall Mountain
Kiatp	Onwig Hump pluton of the granodiorite of Hall Mountain
Kiatp	Boulder Mountain pluton of the granodiorite of Hall Mountain

Granodiorite of Reeder Creek

Kiatp	Calena Point Granodiorite
Kiatp	Granodiorite of Yocum Lake
Kiatp	Granodiorite of Bunchgrass Meadows
Kiatp	Granodiorite of Sema Meadows
Kiatp	Granodiorite of Priest Lake
Kiatp	Granodiorite of Mill Creek
Kiatp	Monzogranite of Sand Creek

MESOZOIC MAFIC INTRUSIVE ROCKS

jib	Basic intrusions
u	Serpentine

PRECAMBRIAN INTRUSIVE ROCKS

Zib	Intrusive greenstone
Zib	Purcell sills

METAMORPHIC ROCKS

KYhm	Heterogeneous metamorphics in Flodelle Creek
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TECTONIC ROCKS

tz	Tectonic zone
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EXPLANATION

---	Contact - dashed where approximately located
---	Scratch boundary - indicates unreconciled differences at source map boundaries
---	Fault - dotted where concealed
---	Thrust fault - sawtooth on upper plate, dotted where concealed
---	Low-angle normal fault - squares on upper plate, dotted where concealed
---	Anticline - showing direction of plunge, dotted where concealed
---	Overtured anticline - showing direction of dip of limbs, dotted where concealed
---	Syncline - showing direction of plunge; dotted where concealed
---	Overtured syncline - showing direction of dip of limbs, dotted where concealed
---	Strike and dip of beds
---	Strike and dip of overturned beds
---	Strike of vertical beds
---	Strike and dip of foliation
---	Strike of vertical foliation
17	Radiometric age locality (see Table 1)
---	Same geologic unit

GEOLOGIC MAP OF THE COLVILLE 1:100,000 QUADRANGLE, WASHINGTON - IDAHO

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JULY 1990

THIS REPORT CONSISTS OF 1 MAP AND A 78 PAGE TEXT

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90-13

Plate 1