

GEOLOGIC UNITS

Sedimentary Deposits and Rocks

Quaternary and Older Sedimentary Deposits

- Qf Landfill (Holocene)
- Qd Dune sand (Holocene)
- Qa Lacustrine deposits (Holocene)
- Qa Alluvium (Holocene to Pleistocene)
- Qt Terrace deposits (Holocene to Pleistocene)
- Qal Alluvial fans (Holocene to Pleistocene)
- Ql Loess (Holocene to Pleistocene)
- Qs Mass-wasting deposits (Holocene to Pleistocene?)
- Qc Cultural flood deposits, sand and silt (Pleistocene)
- Qfg Cultural flood deposits, gravel (Pleistocene)
- Qc Bonneville flood deposits (Pleistocene)
- Qmg Gravel (Pleistocene to Miocene?)

Tertiary Sedimentary Rocks

- Mc Continental sedimentary rocks (upper and middle Miocene)

Igneous Intrusive and Volcanic Rocks

Tertiary Volcanic Rocks

Columbia River Basalt Group

- Saddle Mountains Basalt
- Mv_{um} Lower Monumental Member (upper Miocene)
- Mv_{po} Pomona Member (middle Miocene)
- Mv_{eq} Equus Member (middle Miocene)
- Mv_{in} Inracanyon basalt (middle Miocene)
- Mv_{we} Weissenfels Ridge Member (middle Miocene)
- Mv_{ao} Aotin Member (middle Miocene)
- Mv_{wc} Wilbur Creek Member (middle Miocene)
- Mv_{um} Umatilla Member (middle Miocene)
- Wanapum Basalt
- Mv_{pr} Priest Rapids Member (middle Miocene)
- Mv_{ro} Roza Member (middle Miocene)
- Mv_{fs} Frenchman Springs Member (middle Miocene)
- Mv_{es} Frenchman Springs and Eckler Mountain Members, undivided (middle Miocene)
- Grande Ronde Basalt (middle Miocene)
- Mv_{fd} Feeder dikes, Grande Ronde Basalt, undivided
- Mv_{un} Upper flows of normal magnetic polarity
- Mv_{ur} Upper flows of reversed magnetic polarity
- Mv_{nl} Lower flows of normal magnetic polarity
- Mv_{rl} Lower flows of reversed magnetic polarity

Tertiary or Cretaceous Intrusive Igneous Rocks

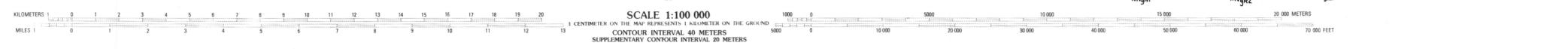
- Tkmd Monzonite (Paleocene? or Cretaceous)

Cretaceous Intrusive Igneous Rocks

- Kt Tonallite (Cretaceous)
- Kp Pegmatite (Cretaceous)
- Kia Granodiorite (Cretaceous)
- Kgp Granodiorite of Granite Point (Cretaceous)

Metamorphic Rocks

- pkgh Phyllite (pre-Cretaceous)
- pkqz Quartzite (pre-Cretaceous)



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

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MAY 1994

EXPLANATION

-----	scratch boundary — indicates unreconciled differences between source maps	-----	syncline, dashed where approximately located, dotted where concealed, showing plunge direction
————	contact	-----	monocline, approximately located, dotted where concealed, arrow on steeper limb
-----	normal fault, dashed where approximately located, dotted where concealed, bar and ball on downthrown side	-----	basalt dike
-----	artificial, dashed where approximately located, dotted where concealed, showing plunge direction	-----	eruptive center
		-----	same geologic unit