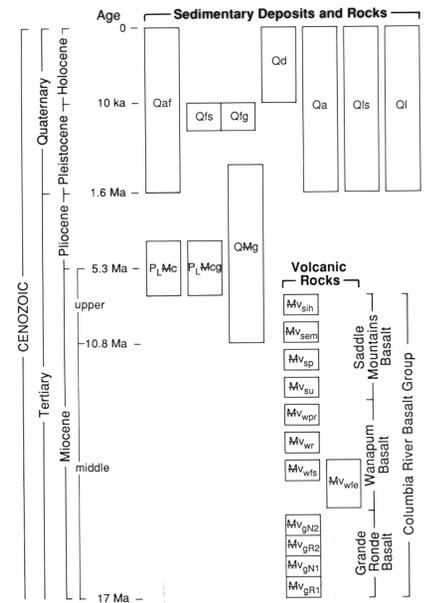


**CORRELATION DIAGRAM**



**GEOLOGIC UNITS**

**Sedimentary Deposits and Rocks**

**Quaternary Sedimentary Deposits**

- Qd Dune sand (Holocene)
- Qa Alluvium (Holocene to Pleistocene)
- Qls Mass-wasting deposits (Holocene to Pleistocene)
- Ql Loess (Holocene to Pleistocene)
- Qaf Alluvial fans (Holocene to Pleistocene)
- Qfs Outburst flood deposits, silt and sand (Pleistocene)
- Qfg Outburst flood deposits, gravel (Pleistocene)

**Quaternary-Tertiary Sedimentary Deposits**

- Qm Gravel (Pleistocene to Miocene)

**Tertiary Sedimentary Deposits**

- Ringold Formation
- P<sub>1</sub>Mc Continental sedimentary deposits (Pliocene to Miocene)
- P<sub>1</sub>Mcg Continental sedimentary deposits, conglomerate (Pliocene to Miocene)

**Tertiary Volcanic Rocks**

**Columbia River Basalt Group**

- Saddle Mountains Basalt
- MV<sub>sh</sub> Ice Harbor Member (upper Miocene)
- MV<sub>sem</sub> Elephant Mountain Member (upper Miocene)
- MV<sub>sp</sub> Pomona Member (middle Miocene)
- MV<sub>su</sub> Umatilla Member (middle Miocene)
- Wanapum Basalt
- MV<sub>wpr</sub> Priest Rapids Member (middle Miocene)
- MV<sub>wr</sub> Roza Member (middle Miocene)
- MV<sub>wfs</sub> Frenchman Springs Member (middle Miocene)
- MV<sub>wfs</sub> Frenchman Springs and Eckler Mountain Members, undivided (middle Miocene)
- Grande Ronde Basalt (middle Miocene)
- MV<sub>gr2</sub> Upper flows of reversed magnetic polarity
- MV<sub>gr1</sub> Lower flows of normal magnetic polarity
- MV<sub>gr1</sub> Lower flows of reversed magnetic polarity

**EXPLANATION**

- scratch boundary - indicates unrecconciled differences between source maps.
- fault, dotted where concealed.
- normal fault, dotted where concealed, bar and ball on downthrown side.
- thrust fault, dotted where concealed, teeth on upper plate.
- anticline, dotted where concealed, showing plunge direction.
- syncline, dotted where concealed, showing plunge direction.
- monocline, dotted where concealed, arrow on steeper limb.
- dike, dotted where concealed.
- strike and dip of inclined beds.
- x eruptive center.
- same geologic unit.

**GEOLOGIC MAP OF THE WALLA WALLA 1:100,000 QUADRANGLE, WASHINGTON**

Compiled by  
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