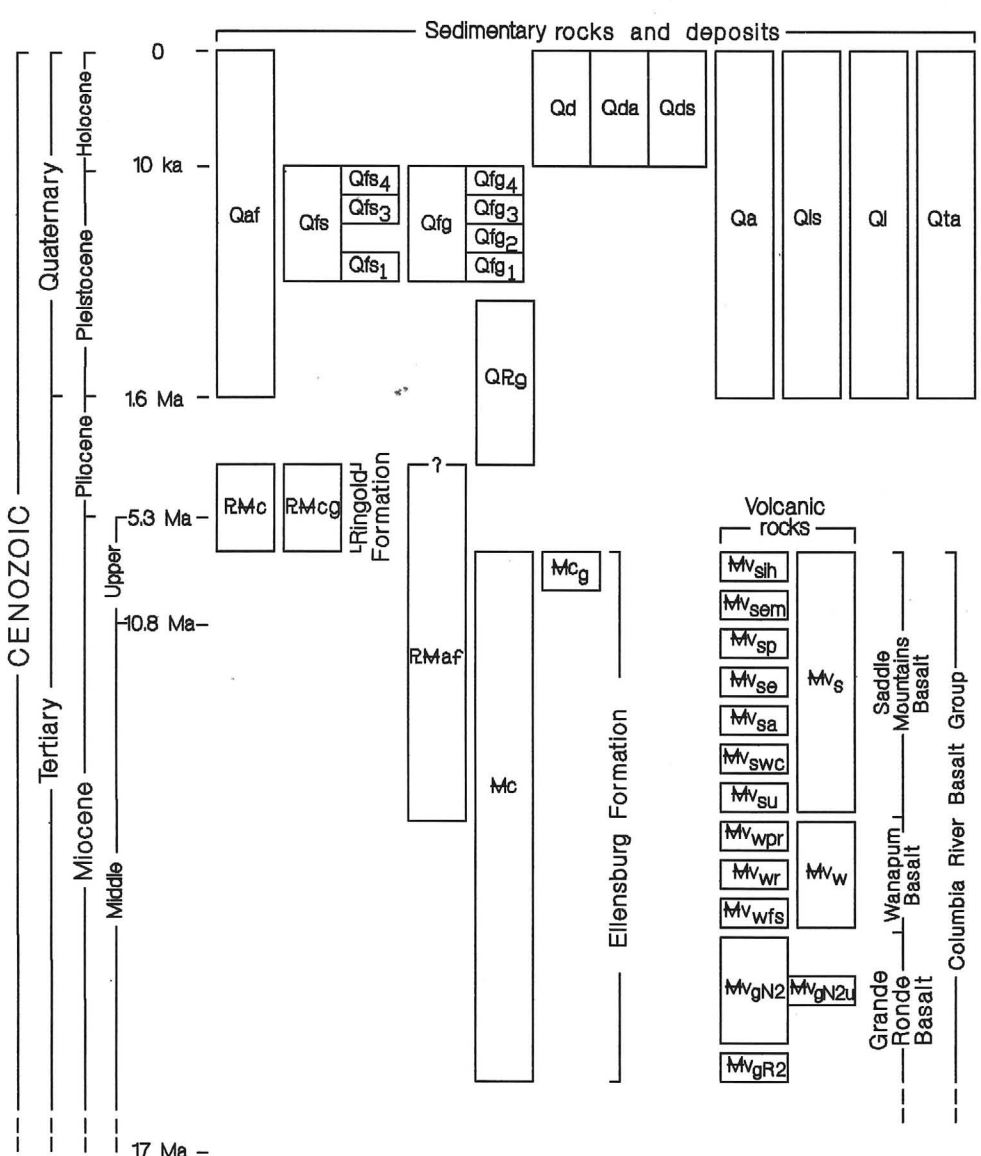


CORRELATION DIAGRAM



GEOLOGIC UNITS

SEDIMENTARY DEPOSITS AND ROCKS

QUATERNARY SEDIMENTARY DEPOSITS

- Qd Dune sand (Holocene)
- Qda Active sand dunes
- Qds Stabilized sand dune deposits
- Qa Alluvium (Holocene to Pleistocene)
- Qls Mass-wasting deposits (Holocene to Pleistocene)
- Ql Loess (Holocene to Pleistocene)
- Qaf Alluvial fans (Holocene to Pleistocene)
- Qta Tufa (Holocene to Pleistocene)
- Qfg Outburst flood deposits, silt and sand (Pleistocene)
- Qfs youngest outburst flood deposits, silt and sand
- Qf3 Oldest outburst flood deposits, silt and sand
- Qf4 Outburst flood deposits, gravel (Pleistocene)
- Qf5 youngest outburst flood deposits, gravel
- Qf6 Oldest outburst flood deposits, gravel

QUATERNARY-TERTIARY SEDIMENTARY DEPOSITS

- Qfg Gravel (Pleistocene to Pliocene)

TERTIARY SEDIMENTARY DEPOSITS AND ROCKS

- RMc Continental sand, silt, and clay beds (Pliocene to Miocene), Ringold Formation.
- RMcg Continental conglomerate (Pliocene to Miocene), Ringold Formation.
- RMaf Conglomerate (Pliocene to Miocene).
- Mc Continental sedimentary deposits (upper and middle Miocene), includes Ellensburg Formation.
- Mcg Conglomerate (Miocene), Ellensburg Formation.

TERTIARY VOLCANIC ROCKS

COLUMBIA RIVER BASALT GROUP

- SADDLE MOUNTAINS BASALT**
- Mys Saddle Mountains Basalt, undivided
- MysH Ice Harbor Member (upper Miocene)
- Mysam Elephant Mountain Member (upper Miocene)
- MysP Pomonas Member (middle Miocene)
- MysE Esquatzel Member (middle Miocene)
- MysA Astelin Member (middle Miocene)
- MysW Wilbur Creek Member (middle Miocene)
- MysU Unatlita Member (middle Miocene)

WANAPUM BASALT (MIDDLE MIOCENE)

- MWw Wanapum Basalt, undivided
- MWpr Priest Rapids Member
- MWfr Roza Member
- MWfs Frenchman Springs Member

GRANDE RONDE BASALT (MIDDLE MIOCENE)

- Mgn2 Upper flows of normal magnetic polarity
- Mgn1 Upper flows, normal magnetic polarity, Umtanum unit
- Mgn2 Upper flows of reversed magnetic polarity

EXPLANATION

- contact, dashed where approximately located.
- ... fault, dotted where concealed.
- ... normal fault, dotted where concealed, bar and ball on downthrown side.
- thrust fault, dashed where approximately located, dotted where concealed, teeth on upper plate.
- strike-slip fault, dotted where concealed, arrows show direction of movement.
- anticline, dashed where approximately located, dotted where concealed, showing plunge direction.
- syncline, dotted where concealed.
- monocline, dotted where concealed, arrow on steeper limb.
- 6/ strike and dip of inclined beds.
- same geologic unit.

GEOLOGIC MAP OF THE PRIEST RAPIDS 1:100,000 QUADRANGLE, WASHINGTON

Compiled by
STEPHEN P. REIDEL AND KARL R. FECHT
SEPTEMBER 1994



SCALE 1:100,000
1 0 1 2 3 4 5
KILOMETERS
1 0 1 2 3 4 5
MILES
5000 0 5000 10000 15000 20000 25000
FEET
CONTOUR INTERVAL 50 METERS
WITH SUPPLEMENTARY CONTOURS AT 10-METER INTERVALS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
PROJECTION AND 10,000-METER GRID, ZONE 11
UNIVERSAL TRANSVERSE MERCATOR
25,000-FOOT GRID TICKS BASED ON WASHINGTON COORDINATE
SYSTEM, SOUTH ZONE
BASE MAP BY USGS
EDITED - 1979

UTM GRID AND 1978 MAGNETIC NORTH
DECLINATION AT CENTER OF MAP
1°49' 32" MILS
20°12' 36" MILS