

GEOLOGIC MAP  
SALMON RIVER AREA, OREGON

By MARTIN S. BURCK, 1986

EXPLANATION

- QUATERNARY**
- Qal** ALLUVIUM  
Undifferentiated recent alluvial river gravels and valley fill sediments.
- Tmr** RHODODENDRON FORMATION  
Undifferentiated light gray and brownish-tan colored dacite to high silica andesite lahars and minor lavas.
- COLUMBIA RIVER BASALT GROUP  
(YAKIMA BASALT SUBGROUP)**
- FRENCHMAN SPRINGS MEMBER  
(WANAPUM BASALT)**
- Tfsg** BASALT OF SENTINEL GAP  
Medium gray to dark gray dense basalt containing rare to sparse small (<1 cm) equant plagioclase phenocrysts, the groundmass is medium grained with equant and acicular plagioclase microphenocrysts, the columnar is blocky jointed.
- Tfsh** BASALT OF SAND HOLLOW  
Medium gray to dark gray dense basalt containing sparse to abundant large (>1 cm) tabular and equant plagioclase phenocrysts that are irregularly distributed throughout a medium grained groundmass with sparse microphyric acicular plagioclase, has blocky to columnar columnar and forms a red-brown rind on weathered surfaces.
- Tfst** BASALT OF SILVER FALLS  
Medium gray to dark gray dense basalt containing sparse small (<1.5 cm) tabular plagioclase phenocrysts, the medium to coarse grained groundmass is abundantly microphyric with equant and acicular microphenocrysts, blocky columnar distinguishes the basal contact.
- Tfg** BASALT OF GINKGO  
Dark gray dense basalt containing abundant large (>1 cm) equant and tabular plagioclase phenocrysts in a fine to medium grained matrix with sparse tabular plagioclase microphenocrysts, blocky columnar is the prominent cooling joint.
- GRANDE RONDE BASALT**
- Tgh** HIGH MgO CHEMICAL TYPE  
Medium gray to dark gray dense basalt with open coarse grained texture (diktaxitic) and tabular plagioclase microphenocrysts, moderately formed blocky columnar and multi-tiered vesicular flow top.
- Tgl** LOW MgO CHEMICAL TYPE  
Dark gray very fine grained dense basalt with sparse to rare small (0.5 cm) plagioclase glomerocrysts and moderately developed columnar columnar and distinct hackly entablature.
- Tdcl** PRINEVILLE CHEMICAL TYPE  
Dark gray fine to very fine grained dense basalt weathering to a pale red-brown, (abundant microphyric apatite).

MAP SYMBOLS

- FAULT**
- NORMAL    THRUST    STRIKE-SLIP
- SOLID WHERE CONFIRMED, DASHED WHERE APPROXIMATE AND DOTTED WHERE CONCEALED; PARALLEL ARROWS SHOW DIRECTION OF STRIKE SLIP, BAR ON DOWNTHROW SIDE, TEETH ON OVERRIDDING PLATE
- FOLD**
- SYNCLINE    ANTICLINE
- SOLID WHERE CONFIRMED, DASHED WHERE APPROXIMATE AND DOTTED WHERE CONCEALED
- CONTACT**
- SOLID WHERE CONFIRMED, DASHED WHERE APPROXIMATE AND DOTTED WHERE CONCEALED
- STRIKE AND DIP**
- 4    86    —
- CONTACTS    JOINTS    VERTICAL JOINTS
- INTRUSIONS**
- SILICIC SEMI-DISCORDANT SILLS
- UNDIFFERENTIATED BASALT BRECCIA**
- SAMPLE LOCATIONS**
- LISTED ON APPENDIX M

SCALE 1:50,000

CONTOUR INTERVAL 40 FEET

VERTICAL GEODESIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION

Heavy duty    Light duty    Unimproved dirt

U.S. Route