

EXPLANATION

Qal

ALLUVIUM

Stratified silt, sand and gravel; undifferentiated.
Mainly channel and bar gravel.

Qls

LANDSLIDE DEPOSITS

Random blocks of various formations in a matrix of finer material; some slump blocks retain stratigraphic relations of units involved.

Qlv

VOLCANIC ROCKS OF THE HIGH CASCADE RANGE AND BORING LAVA

Basaltic andesite, olivine basalt, and pyroxene andesite; mostly intercanion flows.

Ts

SARDINE FORMATION

Pyroxene andesite, tuff, tuff breccia, lapilli tuff, and mudflows.

COLUMBIA RIVER BASALT GROUP YAKIMA BASALT SUBGROUP WANAPUM BASALT

Twpr

PRIEST RAPIDS MEMBER

Medium gray to dark gray medium to fine grained basalt containing rare plagioclase phenocrysts; thin blocky to columnar joints in colonnade; thick hackly entablature; pillow palagonite breccia common at base.

Twfs

FRENCHMAN SPRINGS MEMBER

Medium gray to dark gray medium to fine grained basalt containing rare to abundant plagioclase phenocrysts; generally blocky to columnar jointed with platy jointing locally; often weathers to a characteristic pale red-brown.

GRANDE RONDE BASALT

Tgn2h

HIGH MgO GEOCHEMICAL TYPE

Dark gray fine-grained basalt, often diktytaxitic; jointing is irregular with poorly -formed narrow blocky columns predominating; vesicle sheets are common.

Tgn2l

LOW MgO GEOCHEMICAL TYPE

Dark gray very fine grained basalt with prominent thick hackly entablatures and thin blocky basal colonnades.

— — N₂/R₂ PALEOMAGNETIC HORIZON — —

Tpv

PRINEVILLE GEOCHEMICAL TYPE

Dark gray fine grained to very fine grained basalt; dominated by broad irregular columns or blocky jointing, with some platy jointing locally; weathers to a pale red-brown; anomalously large acicular apatite crystals.

Tgr2

LOW MgO GEOCHEMICAL TYPE

Dark gray very fine grained basalt physically resembling other low MgO flows.

— — N₁/R₂ PALEOMAGNETIC HORIZON — —

Tgn1

LOW MgO GEOCHEMICAL TYPE

Dark gray fine grained basalt physically resembling other low MgO flows.

Tybu

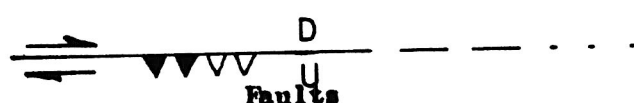
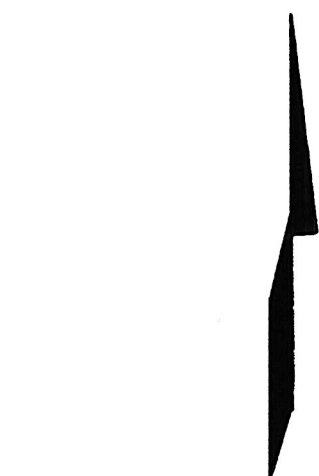
UNDIFFERENTIATED YAKIMA BASALT

Tlb

LITTLE BUTTE VOLCANIC SERIES

Dark-colored tuff, lapilli tuff, mudflows and less abundant andesite flows; some localized, stratified siltstone and silty sandstone.

N



Anticlines Synclines

Dip and Strike

Dike

