

GEOLOGIC MAP OF PORTIONS OF CENTRAL NORTH
YAMHILL COUNTY AND SOUTHERN WASHINGTON COUNTY

EXPLANATION

QUATERNARY
MIOCENE
OLIGOCENE
and uppermost Eocene
EOCENE

Qal
ALLUVIUM
Silt, sand, clay, and occasional pebbles, overlying
sedimentary bedrocks of ridges, spurs, and flat
areas. The thickness averages from about 1/2 m to
about 15m.

Tcr
COLUMBIA RIVER BASALT
Black to dark-gray fine-grained basaltic lava flows,
and breccia, commonly weathered to reddish-brown
crumbly basalt and clay minerals. Crops out east of
map area.

Unconformity

Tos **Tst** **Tgr** **Tp**

Ti
BASALTIC INTRUSIVES
OLIGOCENE MARINE SEDIMENTS UNDIFFERENTIATED
Interbedded mudstone, siltstone, and basaltic to
arkosic sandstone, occasionally calcareous, fossilif-
erous, and concretionary. These sediments are differentiated in the northern
part of the mapped area and they include: Stimson
Mill bed Tst and consists of fine-grained, very
poorly sorted, micaceous, arkosic sandstone and
interbedded mudstone and siltstone of uppermost
Eocene age. Gries Ranch Formation Tgr and con-
sists of fine-grained to pebbly basaltic sandstone,
shale, and tuffaceous siltstone of early Oligocene
age. Pittsburg Bluff Formation Tp and consists
of thin-bedded to massive sandstone and mudstone.

Ts
SPENCER FORMATION
Thin-bedded to massive, fine-grained, poorly, sort-
ed, light-gray and light-yellow to moderate olive
brown, fossiliferous, micaceous, arkosic sandstone,
occasionally, pebbly, cross-bedded, carbonaceous,
calcareous, and concretionary. Thin beds of mud-
stone only occur in the uppermost part of the
formation.

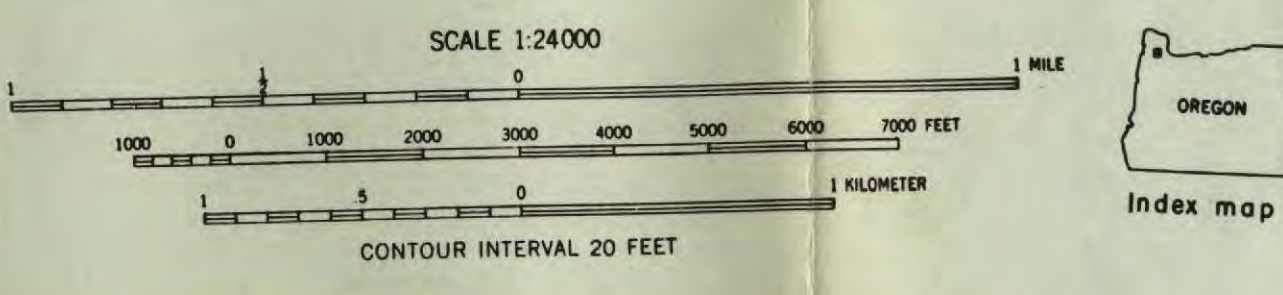
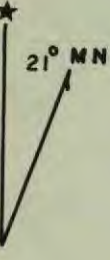
Unconformity

Ty
YAMHILL FORMATION
Interbedded mudstone, siltstone, and very poorly
sorted basaltic sandstone, occasionally with
thin-bedded arkosic sandstone and shale.

Tv
TILLAMOOK VOLCANICS
Complexly interbedded basalt flows, pillow lava,
tuff, breccia, and sandstone and shale.

GEOLOGIC SYMBOLS

- Contact
- Fault
- Strik and dip
- Quarry
- x A-31
- Sample locality
- x PSUB0009
- Fossil locality
- Current direction



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