

GEOLOGIC UNITS FOR THE CENTRALIA QUADRANGLE

QUATERNARY UNCONSOLIDATED DEPOSITS

- Qal Alluvium
- Qp Peat
- Qls Landslide debris
- Qme Electron mudflow
- Qdv Vashon drift, undifferentiated
- Qdvo Vashon undifferentiated outwash
- Qdvg Vashon outwash gravel
- Qdvs Vashon outwash sand
- Qdvt Vashon till
- Qdvm Vashon moraines
- Qdva Vashon advance outwash
- Qdp Pre-Fraser Drift, undifferentiated
- Qde Evans Creek Drift, undifferentiated
- Qdet Evans Creek Drift, till deposits
- Qdem Evans Creek Drift, moraine deposits
- Qoe Evans Creek Drift, outwash deposits
- Qohv Pre-Evans Creek, Post-Hayden Creek outwash deposits
- Qdh Hayden Creek Drift, undifferentiated
- Qdht Hayden Creek Drift, till deposits
- Qoh Hayden Creek Drift, outwash deposits
- Qdw Wingate Hill Drift, undifferentiated
- Qdwt Wingate Hill Drift, till deposits
- Qow Wingate Hill Drift, outwash deposits
- Qlh Logan Hill Formation

QUATERNARY VOLCANIC DEPOSITS

- Qlc Lily Creek Formation
- Qvmr Andesite of Mount Rainier volcano

TERTIARY STRATIFIED ROCKS

Middle to Upper Miocene

- Twk Wilkes Formation
- Tmh Mashel Formation
- Tgr Grande Ronde Basalt of the Columbia River Basalt Group

Lower Miocene

- Tva3 basaltic andesite and andesite flows
- Tvc3 volcanoclastic rocks
- Tvb3 basalt flows

Miocene-Oligocene

- Tvta altered tuff

Oligocene

- Tva2 andesite flows
- Toh Ohanapecosh Formation

Oligocene-Eocene

- Tlc Lincoln Creek Formation
- Tva basaltic andesite and andesite flows
- Tvc volcanoclastic rocks
- Tvt tuff
- Tg02 basaltic andesite lava flow member of the Goble Volcanics
- Tg01 Volcaniclastic sedimentary and volcanic rock member of the Goble Volcanics

Eocene

- Tno Northcraft Formation
- Tn0g Northcraft Formation of Gard
- Tva0 andesite and basaltic andesite flows
- Tvc0 volcanoclastic rocks
- Tpg Rocks of the Puget Group
- Tsk Skokumuck Formation
- Tmc McIntosh Formation
- Tcr Crescent Formation
- Tcrs Crescent Formation sedimentary rocks

TERTIARY INTRUSIVE ROCKS

Miococene

- Tir rhyolite dike

Miococene-Oligocene

- Tidi diorite dikes, sills, or plugs
- Tid dacite dikes, sills, or plugs
- Tia andesite and andesite porphyry dikes, sills, or plugs
- Tib basalt dikes or sills
- Tigh gabbro dikes or sills

MAP EXPLANATION

- Strike and dip of beds
- Strike and dip of platy jointing in lava flows
- Contact-known and approximate locations
- FOLDS- dashed where existence and location inferred, dotted where concealed
- Anticline, showing plunge
- Syncline, showing plunge
- Fault, showing sense of displacement; dashed where existence and location inferred, dotted where concealed
- Potassium-Argon age date sample location. See Table 2
- Area of mounded prairies

ROAD CLASSIFICATION

- Primary highway, hard surface
- Secondary highway, hard surface
- Light-duty road, hard or improved surface
- Street or other road
- Trail

CENTRALIA, WASH.
NEA 1000000 (1:100,000) SCALE MAP
1960-11-22/2000-00-00

THIS REPORT CONSISTS OF 1 MAP AND A 27 PAGE TEXT.

GEOLOGIC MAP OF THE CENTRALIA QUADRANGLE, WASHINGTON

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1987

Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1954-1973. Planimetry revised from aerial photographs.

50 000-foot grid ticks based on Washington coordinate system, south zone. 1927 North American Datum. To place on the predicted North American Datum 1983, move the projection lines 25 meters north and 94 meters east.