WASHINGTON STATE DEPARTMENT OF
Natural Resources
Jennifer M. Belcher - Commissioner of Public Lands
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Washington Division of Geology and Earth Resources
Open File Report 93-3
Sheet 3—Toppenish 15-minute quadrangle

GEOLOGIC MAPS OF PART OF THE YAKIMA FOLD BELT, NORTHEASTERN YAKIMA COUNTY, WASHINGTON

by
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1993

GEOLOGIC UNITS

Surficial deposits

- Qam — Alluvium, mainstream facies
- Qas — Alluvium, sidestream facies
- Terrace deposits, mainstream alluvial deposits
  - Qtm_1 — Lower terrace deposits
  - Qtm_2 — Middle terrace deposits
- Qaf — Alluvial fan deposits
- Qls — Landslide deposits
- Qe — Eolian deposits
- Qfs — Catastrophic flood slackwater sediments
- Qafo — Older alluvial fan deposits

Ellensburg Formation

- Teu — Upper Ellensburg Formation, undivided
  - Teu_c — Conglomerate of Snipes Mountain
- Trr — Rattlesnake Ridge Member
- Ts — Selah Member

Columbia River Basalt Group

Saddle Mountains Basalt

- Tem — Elephant Mountain Member
- Tp — Pomona Member
- Tuu — Umatilla Member

Wanapum Basalt

- Tpr — Priest Rapids Member
- Tr — Roza Member
- Frenchman Springs Member
  - Tfsg — Sentinel Gap flows
  - Tfk — Kelley Hollow flow

EXPLANATION

- Contact—*dashed where approximately located*
- Fault—*Dashed where approximately located; dotted where concealed; bar and ball on downthrown side*
- Fault—*Dashed where approximately located; dotted where concealed; bar and ball on downthrown side; (solid where Quaternary units are offset)*
- Thrust fault—*Dotted where concealed; queried where uncertain; sawteeth on upper plate*
- Lineament from aerial photographs
- Anticline—*Showing direction of plunge; dashed where approximately located; dotted where concealed*
- Syncline—*Dashed where approximately located; dotted where concealed*
- Monocline—*Arrows on side with greater inclination*
- 7 — Strike and dip of inclined beds
- 34 — Geochemical sample locality

Base map prepared from U.S. Geological Survey 7.5-minute Wapato (1974), Toppenish (1974), Toppenish SW (1958), and Hembre Mtn. (1958) quadrangles; these quadrangles make up the informally named Toppenish 15-minute quadrangle; 1927 North American datum
10,000-foot grid based on Washington coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 10
Interstate and primary roads updated from Washington State Department of Transportation, 1991

UTM GRID AND 1958 MAGNETIC NORTH DECLINATION AT CENTER OF TOPPENISH SW 7.5' SHEET

SCALE 1: 31,680

QUADRANGLE LOCATION

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