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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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*

Strike and dip of inclined beds

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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