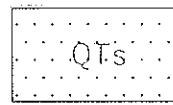


EXPLANATION



Sedimentary deposits

Younger than basalt of the Columbia River Group. Includes continental sedimentary deposits principally the Dalles Formation; Ellensburg Formation and Mascall Formation except for the lowest layers which are interstratified with the basalt; Madras Formation; Rattlesnake Formation; Idaho Group; and Ringold Formation, as well as some glacial, glaciofluvial eolian, alluvial and colluvial deposits. Small amounts of volcanic rocks are intercalated in some of these sedimentary deposits. Deposits that are predominantly of eolian origin are omitted.

Tcr

Basalt of the Columbia River Group
Accordingly layered flows of dense basaltic lava. Total thickness ranges from featheredge to more than 5,000 feet; individual flows range generally from 10 to 200 feet thick and average 80 feet. Includes some layers of the lower part of the Ellensburg Formation in the Yakima Valley, some interlayered parts of the Latah Formation at the northeastern edge, the Payette Formation at the southeastern edge, and small parts of the Mascall Formation at the southern edge of the main area of the basalt. Includes small areas of some younger lavas such as the platy andesites of the Baker and La Grande Valleys, (Gilluly, 1937; Hampton and Brown, 1964) not yet differentiated

GEOLOGIC SYMBOLS

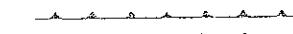
Contact

Dashed where approximately located



Fault

Dashed where approximately located, dotted where concealed. Parallel arrows show direction of strike slip. Bar and ball on down-thrown side



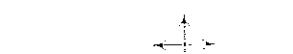
Thrust fault

Sawteeth on upper plate



Axis of anticline showing direction of plunge

Dashed where approximately located, dotted where concealed



Dome



Axis of syncline showing direction of plunge

Dashed where approximately located, dotted where concealed



Axis of monocline and direction of dip from axis

SOURCE: Newcomb (1970)

			JOB NO. 52-00082008.00	DESIGNED: TR	PROJ. ENGINEER: JCH			URS		UMATILLA GENERATING PROJECT	DRAWING NUMBER: FIGURE 3-2.2
			SCALE: NOTED ABOVE	DRAWN BY: BJR	APPROVED BY: DM			111 S.W. Columbia, Suite 900 Portland, Oregon 97201 (tel) 503-222-7200 (fax) 503-222-4292		EFSC PERMIT APPLICATION UMATILLA, OR	CAD FILE NUMBER: FIGURE 3-2.2
No.	DATE	BY	REVISION	CHECKED BY: JCH	DATE: 9/25/00			REGIONAL GEOLOGIC MAP			SHEET: OF