



*XRF analyses by Peter R. Hooper, Geology Department, Washington State University, Pullman, Washington

gray to dark gray. The lower flow is typically fine- to medium-grained basalt and sparsely plagioclase phryic, with small (0.5 cm) tabular plagioclase phenocrysts. The upper flow is fine to medium grained, commonly di-tyctitic, and aphyric. Unit thickness ranges from 25 to 150 ft within the map area. Sentinel Bluffs flows are distinguished from both younger Frenchman Springs units and older Grande Ronde units on the basis of stratigraphic position, composition (Table 1), lithology, and normal paleomagnetic polarity (see Reidel and

MAP SYMBOLS

- ## GEOLOGIC CROSS SECTIONS

