Preliminary Geologic Map of the Eagle Rock 7.5' Quadrangle, Crook County, Oregon
2007

INTRODUCTION

The Eagle Rock Quadrangle is located in southeastern Oregon and is bounded by the John Day River to the west, the Crooked River to the north, and the Deschutes River to the east. The quadrangle includes parts of the Yellowstone hotspot, which is known for its high-velocity seismicity and geothermal activity. The region is characterized by a complex geologic history, including volcanic and sedimentary rocks, as well as intrusions.

Geologic Data

Geologic data were collected at the 1:24,000 scale combining new field observations with previously collected data. The map includes a variety of geologic units, including rhyolite domes, flows, and volcaniclastic rocks. The tuff stratigraphy, temporally equivalent to large ash flow sheets exposed in the John Day Formation, is also included.

Geological Cross Section

A geological cross section is provided to illustrate the stratigraphic relationships and the vertical distribution of the geologic units within the quadrangle.

REFERENCES