



STATE OF OREGON  
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# Preliminary Geologic Map of the Robinson Butte 7.5' Quadrangle, Jackson County, Oregon

2009

ROBINSON BUTTE QUADRANGLE  
OREGON—JACKSON CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

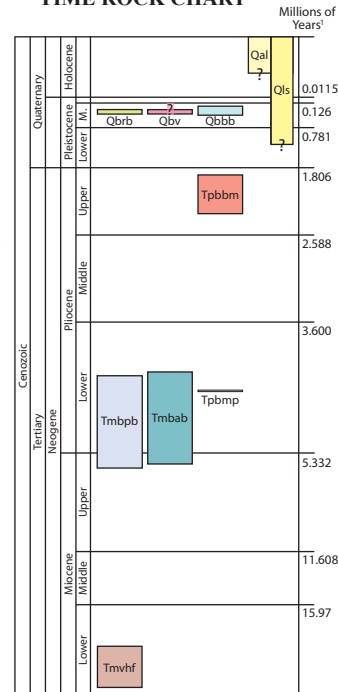
## OPEN-FILE REPORT O-09-02

Preliminary Geologic Map of the Robinson Butte 7.5' Quadrangle,  
Jackson County, Oregon

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The views and conclusions contained in this document are those of the authors  
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## TIME ROCK CHART



<sup>1</sup>Dates from Gradstein and others (2004):  
Gradstein, F., Ogg, J., and Smith, A. ed. 2004. A Geologic  
Time Scale 2004. Cambridge, Cambridge University Press, 589p.

## MAP UNITS

(A full description of the geologic units  
is found in the accompanying text.)

### Surficial Units

- Qal** Alluvium (Holocene)
- Qls** Landslide deposits (Pleistocene to Holocene)

### Volcanic Units

- Qbv** Basaltic to basaltic andesite vent deposits (Mid. Pleistocene)
- Qbbb** Basalt of Burton Butte (Middle Pleistocene)
- Qbrb** Basalt of Robinson Butte (Middle Pleistocene)
- Tpbmb** Basalt of Brush Mountain (Upper Pliocene)
- Tpbmp** Basalt of Moon Prairie (Lower Pliocene)
- Tmbab** Basaltic Andesite of Beaver Dam Creek (Up. Miocene to Lo. Pliocene)
- Tmbpb** Basalt of Pole Bridge Creek (Up. Miocene to Lo. Pliocene)
- Tmvhf** Heppsie Formation (Lower Miocene)

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Field Work: 1984, 1991, 1992, 1995, 1999, 2000, 2002,  
2003, 2006, 2007

## NOTES REGARDING THE MAP:

The above map was created in and exported from MapInfo Professional® version 7.0 in the following projection: Universal Transverse Mercator (NAD 27 for US); UTM Zone 10 (NAD 27 for US). The U.S. Geological Survey 7.5 minute Robinson Butte quadrangle, the colored geologic units, and the sample location symbols were exported from MapInfo and have since been kept in the same orientation. The exported map image has been uniformly resized using Adobe® Illustrator® CS3 to create a 1:75,000 scale. The colors of the exported map were adjusted using Adobe® Photoshop® CS3 to be consistent with USGS CMYK color standards. The map numbers and geologic unit labels were added to the map in Adobe® Illustrator® CS3. A final .pdf version of the map was created using Adobe® Illustrator® CS3.

SCALE: 1:75,000

## GEOLOGIC MAP SYMBOLS

- Contact -- Approximately located; dashed where inferred.
- \*# Sample location and map number for specimens with available age dates and chemical analyses -- Consult Table 1 in the attached text.
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