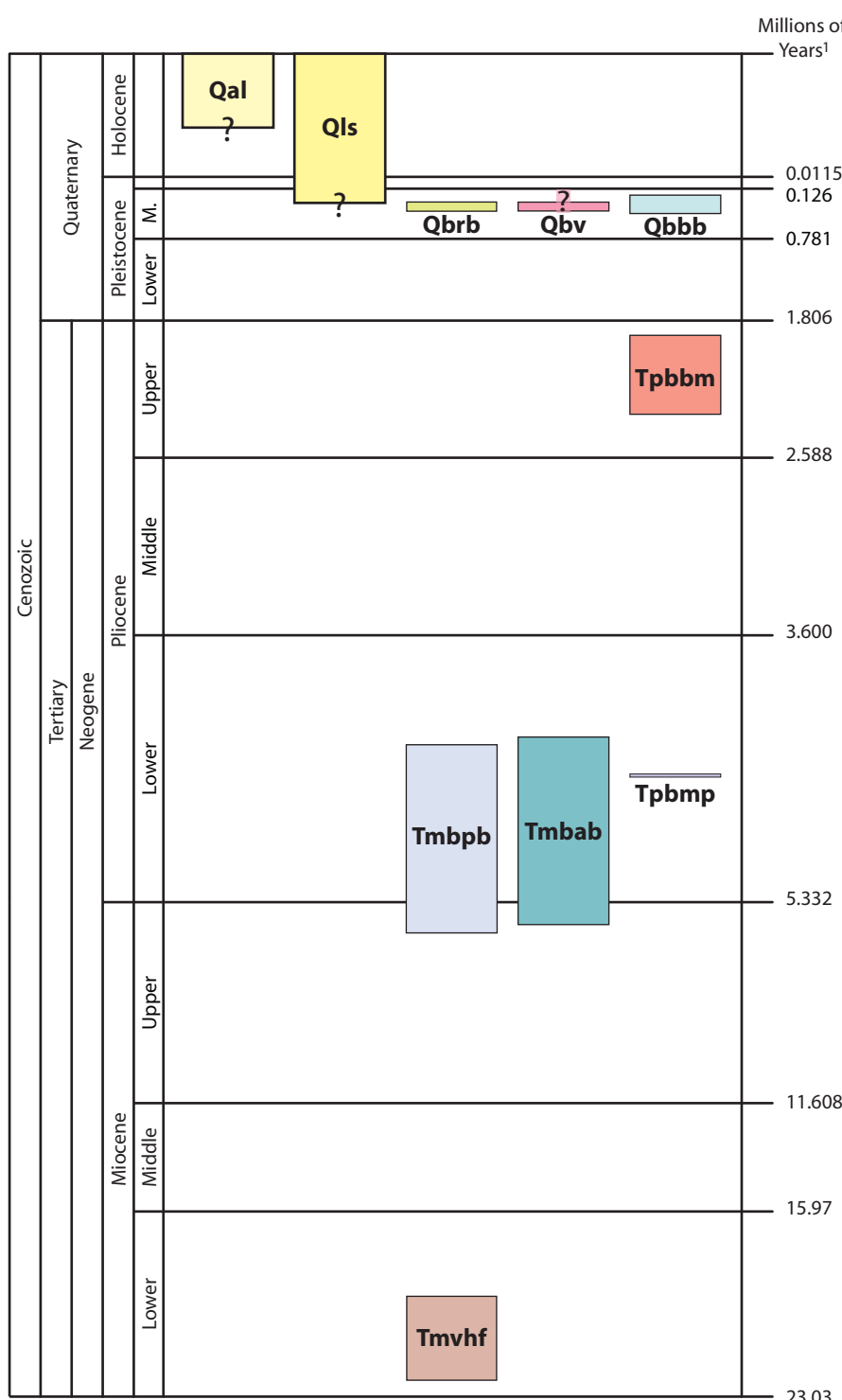


2009

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 and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. government.



¹ 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
(Middle 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
(Upper Miocene to Lower Pliocene) |
| Tmbpb | Basalt of Pole Bridge Creek
(Upper Miocene to Lower Pliocene) |
| Tmwhf | Heppsie Formation
(Lower Miocene) |

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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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 MInfo 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 Bute quadrangle, the colored geologic units, the geologic unit boundaries, 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 1:24,000 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.