



STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Preliminary Geologic Map of the Mule Hill 7.5' Quadrangle, Klamath County, Oregon, and Siskiyou County, California

2008

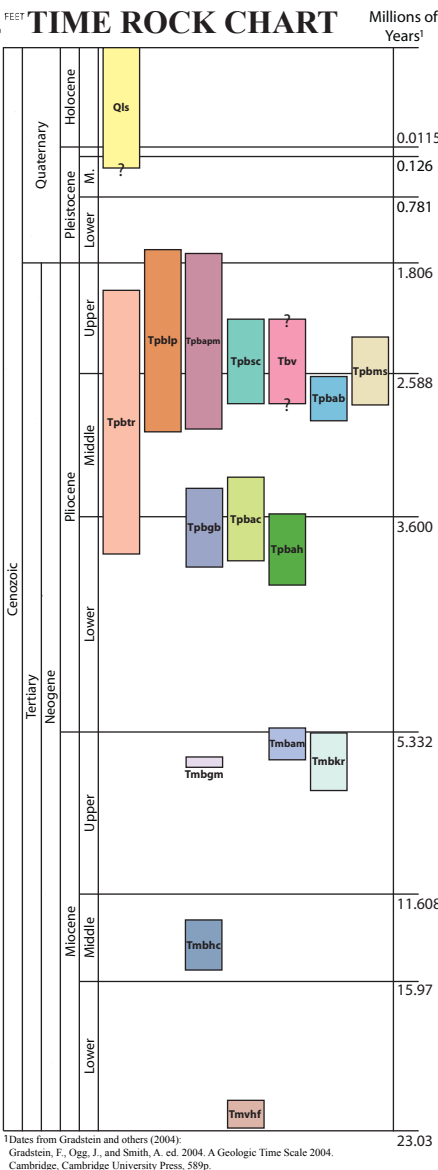
MULE HILL QUADRANGLE
OREGON—CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN-FILE REPORT O-08-08

Preliminary Geologic Map of the Mule Hill 7.5' Quadrangle,
Klamath County, Oregon, and Siskiyou County, California

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



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

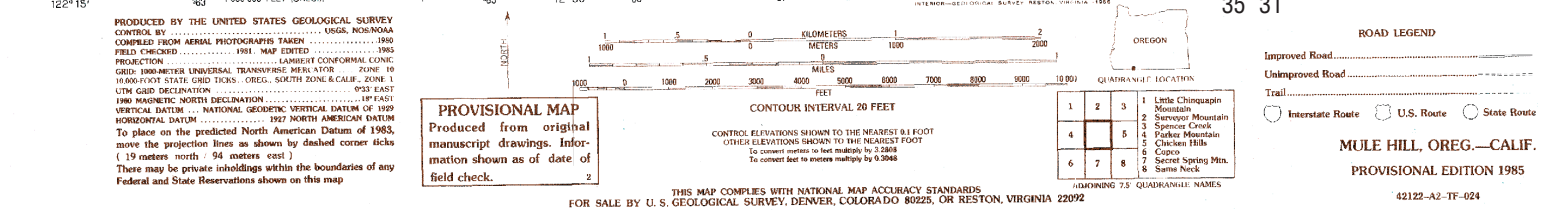
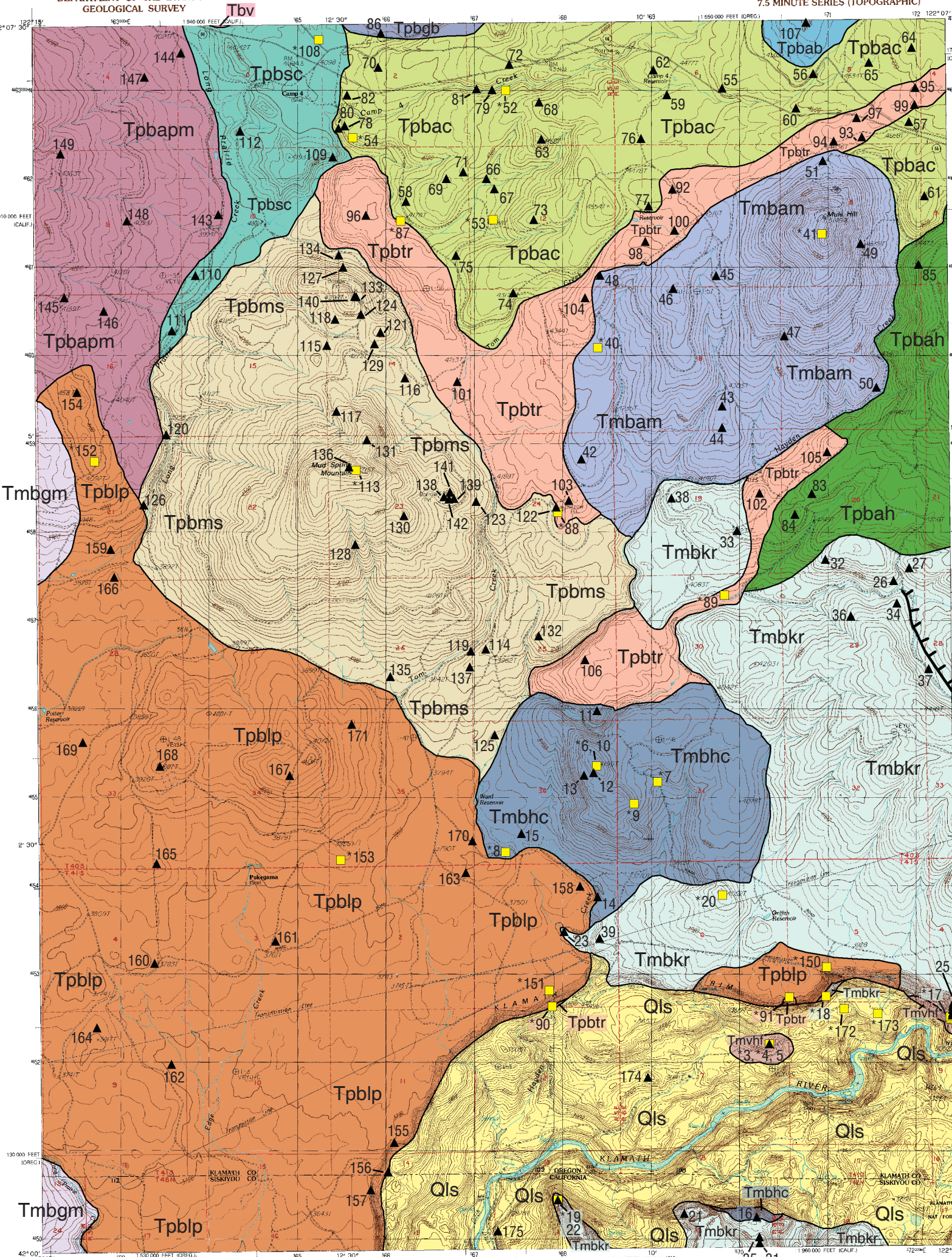
(A full description of the geologic units
is found in the accompanying text.)

Surficial Units

Qls Landslide deposits
(Pleistocene to Holocene)

Volcanic Units

- Tbv Basaltic to basaltic andesite
vent deposits (Pliocene)
- Tpblp Basalt of Long Prairie
(Mid. Pliocene to Lo. Pleistocene)
- Tpbapm Bas. And. of Parker Mountain
(Mid. Plio. to Lo. Pleist.)
- Tpbms Basalt of Mud Spring Mtn.
(Middle to Upper Pliocene)
- Tpbsc Basalt of Sheepy Creek
(Middle to Upper Pliocene)
- Tpbab Bas. And. of Buck Mountain
(Middle Pliocene)
- Tpbtr Basalt of Tom Reservoir
(Lower to Upper Pliocene)
- Tpbgb Basalt of Grouse Butte
(Lower to Middle Pliocene)
- Tpbah Bas. And. of Hayden Mountain
(Lower to Middle Pliocene)
- Tpbac Bas. And. of Camp Creek
(Lower to Middle Pliocene)
- Tmbam Bas. And. of Mule Hill
(Up. Miocene to Lo. Pliocene)
- Tmbgm Basalt of Grizzly Mountain
(Upper Miocene)
- Tmbkr Basalt of the Klamath Rim
(Upper Miocene)
- Tmbhc Bas. to And. of Hayden Creek
(Middle Miocene)
- Tmvhf Heppsie Formation
(Lower Miocene)



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Field Work: 1995, 1996, 1997, 1999, 2004, 2008

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 Mule Hill quadrangle, the colored geologic units, the geologic unit boundaries, the fault, 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 1:52,000 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: 1:52,000

GEOLOGIC MAP SYMBOLS

- Contact -- Solid where approximately located; dashed where inferred.
- Fault -- Approximately located; bars are on the side of the down-dropped block.
- *# Sample location and map number for specimens with available age dates and chemical analyses -- Consult Table 1 in the attached text.
- # Sample location and map number for specimens with available chemical analyses -- Consult Table 1 in the attached text.