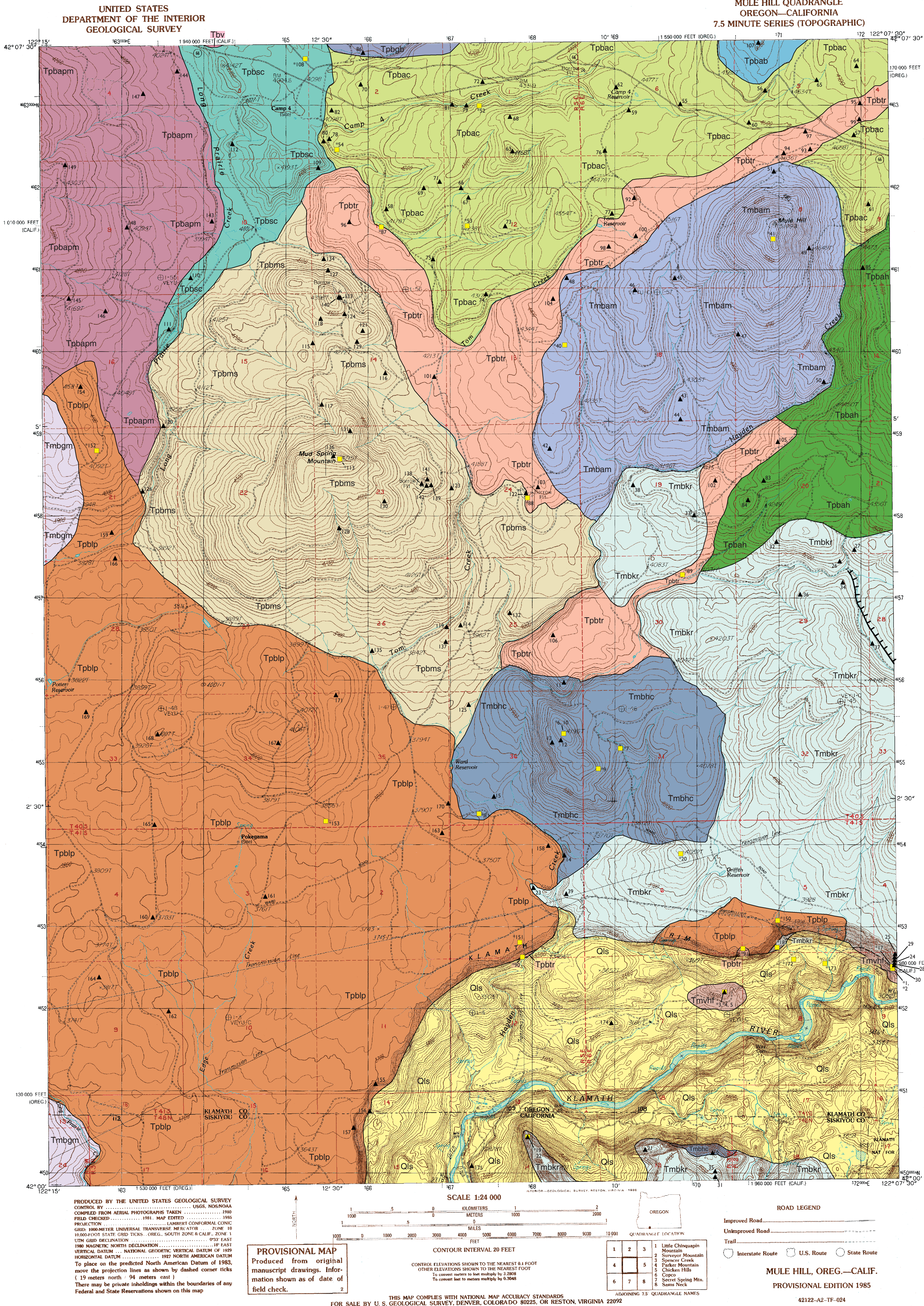
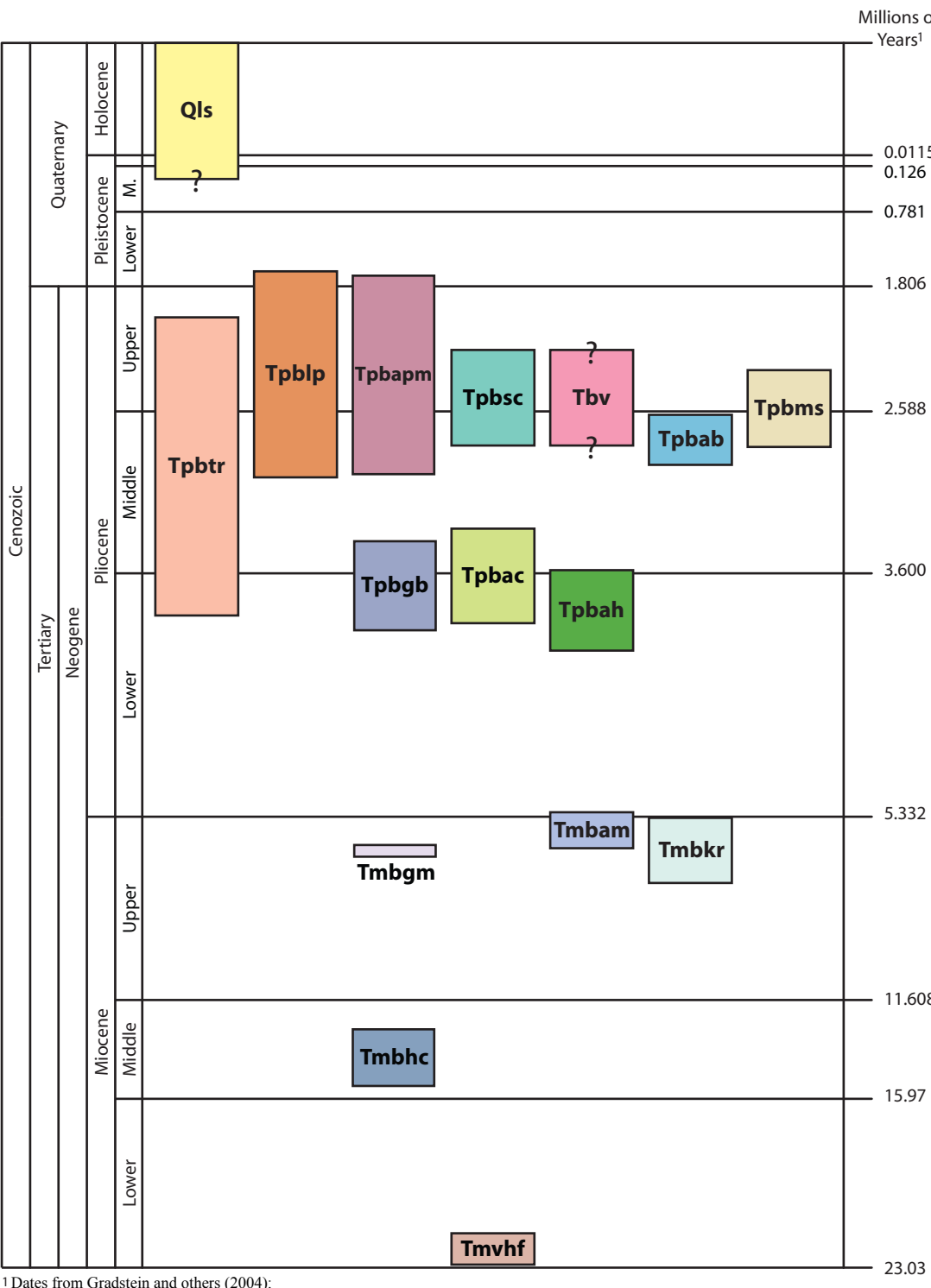




Preliminary Geologic Map of the Mule Hill 7.5' Quadrangle, Klamath County, Oregon, and Siskiyou County, California
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TIME ROCK CHART



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)
 - Tbblp** Basalt of Long Prairie (Middle Pliocene to Lower Pleistocene)
 - Tpbapm** Basaltic Andesite of Parker Mountain (Middle Pliocene to Lower Pleistocene)
 - Tpbms** Basalt of Mud Spring Mountain (Middle to Upper Pliocene)
 - Tpbsc** Basalt of Sheepy Creek (Middle to Upper Pliocene)
 - Tpbah** Basaltic Andesite of Buck Mountain (Middle Pliocene)
 - Tpbtr** Basalt of Tom Reservoir (Lower to Upper Pliocene)
 - Tpbgb** Basalt of Grouse Butte (Lower to Middle Pliocene)
 - Tpbah** Basaltic Andesite of Hayden Mountain (Lower to Middle Pliocene)
 - Tpbac** Basaltic Andesite of Camp Creek (Lower to Middle Pliocene)
 - Tmbam** Basaltic Andesite of Mule Hill (Upper Miocene to Lower Pliocene)
 - Tmbgm** Basalt of Grizzly Mountain (Upper Miocene)
 - Tmbkr** Basalt of the Klamath Rim (Upper Miocene)
 - Tmbhc** Basalt to Andesite of Hayden Creek (Middle Miocene)
 - Tmwhf** Heppie Formation (Lower Miocene)

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.
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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 1:24,000 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.