



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 Mount McLoughlin 7.5' Quadrangle, Jackson and Klamath Counties, Oregon

2012

MT. MC LOUGHLIN QUADRANGLE
OREGON
7.5 MINUTE SERIES (TOPOGRAPHIC)

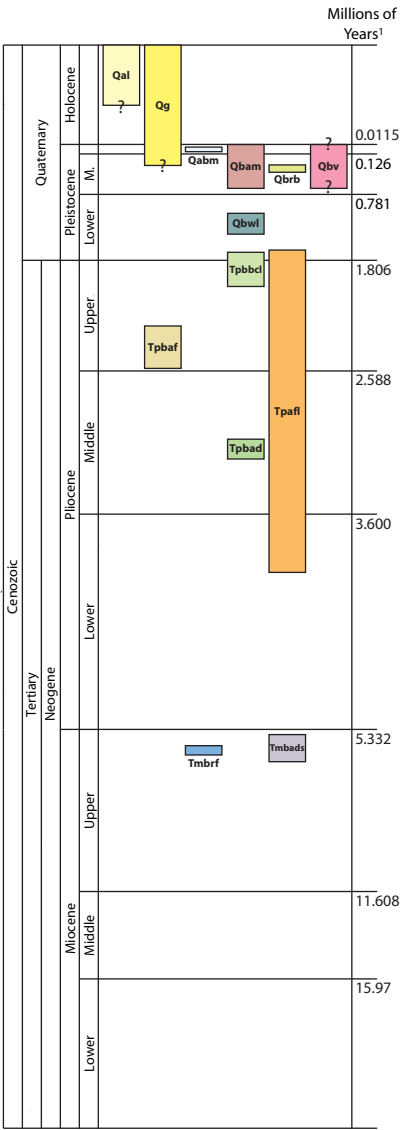
OPEN-FILE REPORT O-12-01

Preliminary Geologic Map of the Lake of the Mount McLoughlin 7.5' Quadrangle
Jackson and Klamath Counties, Oregon

By S.A. Mertzman, R.W. Hazlett, S.G. Weaver, I.P. Weaver, J.M. Baum,
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TIME ROCK CHART



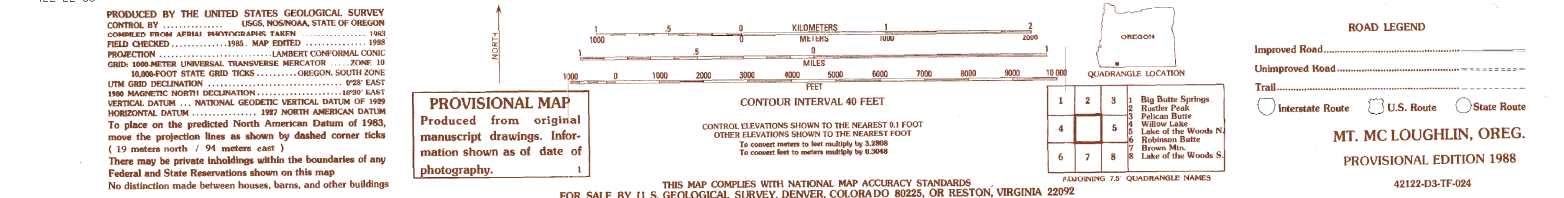
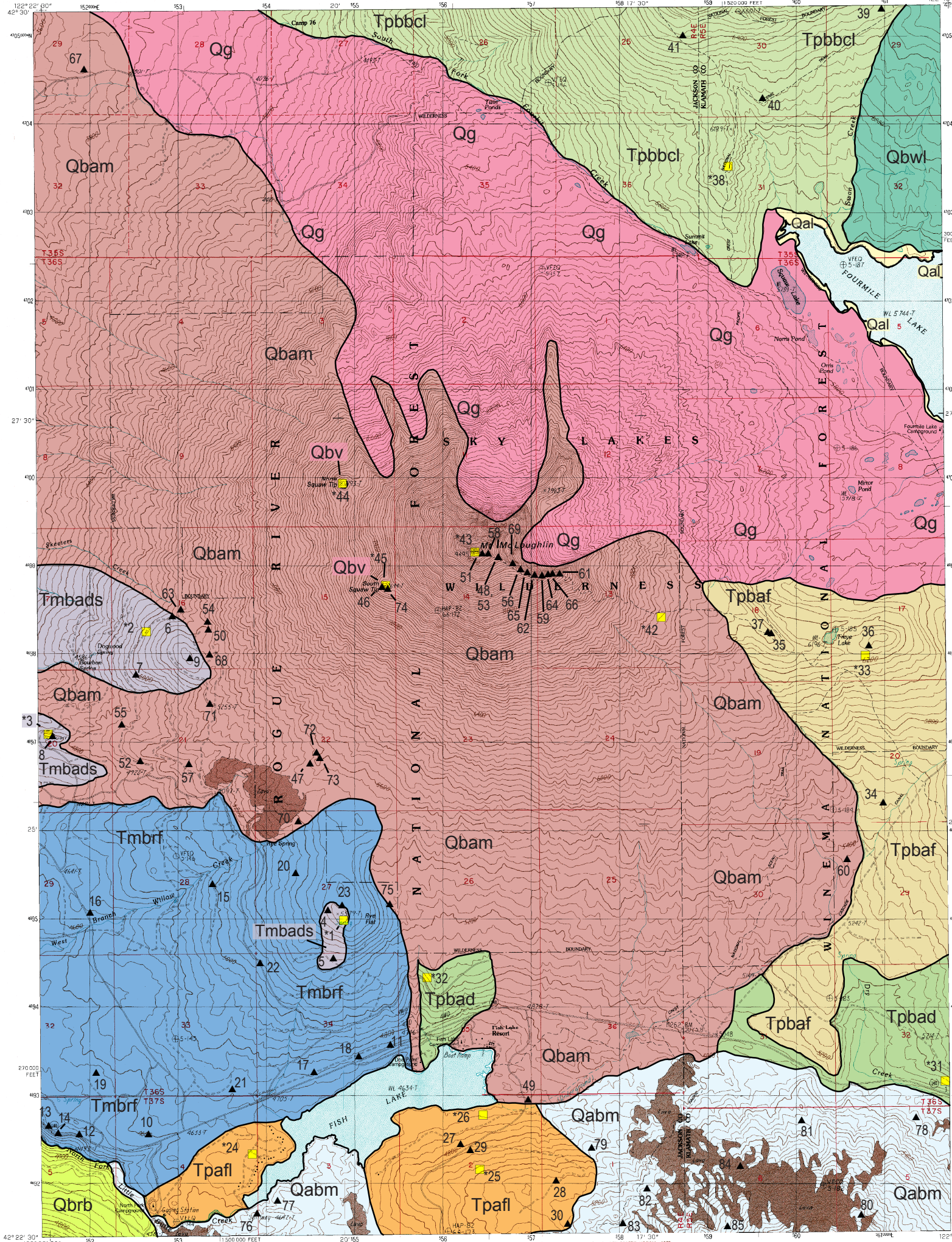
¹Dates from Gradstein and others (2004):
Gradstein, F., Ogg, J., and Smith, A. ed. 2004. A Geologic Time Scale 2004.
Cambridge, Cambridge University Press, xix + 589p. + chart in folder.

MAP UNITS

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

Surficial Units

- Qal** Alluvium (Holocene)
- Qg** Undifferentiated colluvium and alluvium (Pleist. to Holocene)
- Qbv** Basalt/basaltic andesite/ andesite vent deposits (Pleist.)
- Qbm** Andesite of Brown Mountain (Upper Pleistocene)
- Qbrb** Basalt of Robinson Butte (Middle Pleistocene)
- Qbam** Bas. And. of Mount McLoughlin (Mid. to Up. Pleistocene)
- Qbw** Basalt of Woodpecker Lake (Lower Pleistocene)
- Qbbcl** Basalt of Blue Canyon Lake (Up. Pliocene to Low. Pleistocene)
- Qbaf** Basaltic Andesite of Freye Lake (Upper Pliocene)
- Qbad** Basaltic Andesite of Dry Creek (Middle Pliocene)
- Qpaf** Andesite of Fish Lake (Low. Pliocene to Low. Pleist.)
- Qbrf** Basalt of Rye Flat (Upper Miocene)
- Qbads** Bas. And. of Dogwood Spring (Upper Miocene)



SCALE: 1:52,000

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Field Work: 1984, 1991, 1992, 2004, 2006, 2009

NOTES REGARDING THE MAP:

The above map was created in and exported from MapInfo Professional® version 8.0 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 Mt. McLoughlin 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® CS5 to create a 1:52,000 scale. The colors of the exported map were adjusted using Adobe® Photoshop® CS5 to be consistent with USGS CMYK color standards. The map numbers and geologic unit labels were added to the map in Adobe® Illustrator® CS5. A final .pdf version of the map was created using Adobe® Illustrator® CS5. Last edited on 06/17/2011 by IPW.

GEOLOGIC MAP SYMBOLS

- Contact -- Approximately located.
- *# 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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