

## 2012

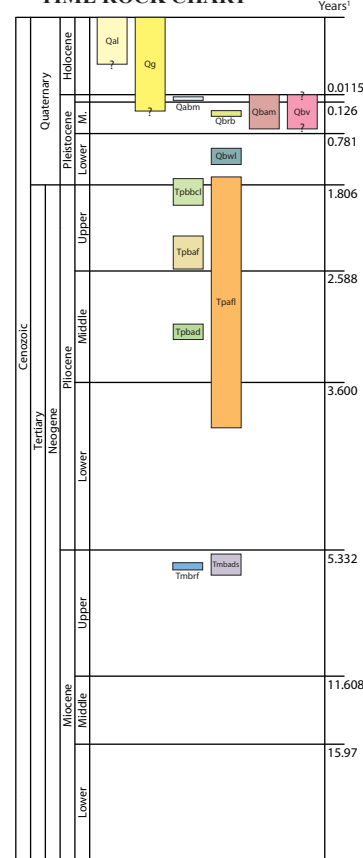
MT. MC LOUGHLIN QUADRANGLE  
OREGON  
7.5 MINUTE SERIES (TOPOGRAPHIC)

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

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Millions of

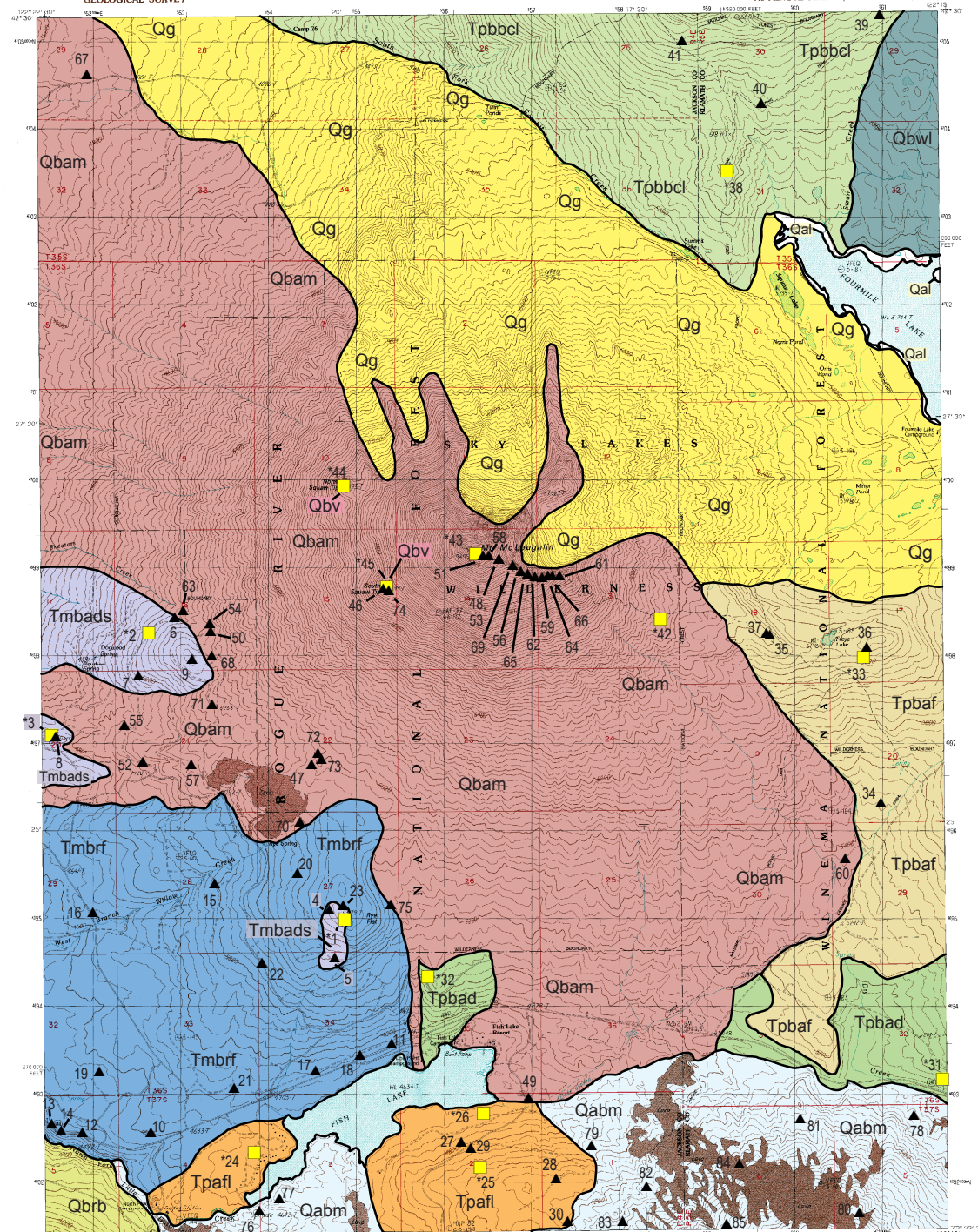


<sup>1</sup>Dates from Gradstein and others (2004):  
Gradstein, F., Ogg, J., and Smith, A. ed. 2004. A Geologic Time Scale 2004.  
Cambridge, Cambridge University Press, xix + 589p. + chart in folder.

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

### Surficial Units

- |                       |  |
|-----------------------|--|
| <b>Qal</b>            | Alluvium<br>(Holocene)   |
| <b>Qg</b>             | Undifferentiated colluvium and<br>alluvium (Pleist. to Holocene)   |
| <b>Volcanic Units</b> |  |
| <b>Pqbv</b>           | Basaltic/basaltic andesite/andesite<br>vent deposits (Pleistocene) |
| <b>Qabm</b>           | Andesite of Brown Mountain<br>(Upper Pleistocene)                  |
| <b>Qbrb</b>           | Basalt of Robinson Butte<br>(Middle Pleistocene)                   |
| <b>Qbam</b>           | Bas. And. of Mount McLoughlin<br>(Mid. to Up. Pleistocene)         |
| <b>QbwI</b>           | Basalt of Woodpecker Lake<br>(Lower Pleistocene)                   |
| <b>Tpbcd</b>          | Basalt of Blue Canyon Lake<br>(Up. Pliocene to Low. Pleistocene)   |
| <b>Tpbaf</b>          | Basaltic Andesite of Freye Lake<br>(Upper Pliocene)                |
| <b>Tpbad</b>          | Basaltic Andesite of Dry Creek<br>(Middle Pliocene)                |
| <b>Tpafi</b>          | Andesite of Fish Lake<br>(Low. Pliocene to Low. Pleistocene)       |
| <b>Tmbrf</b>          | Basalt of Rye Flat<br>(Upper Miocene)                              |
| <b>Tmbads</b>         | Bas. And. of Dogwood Spring<br>(Upper Miocene)                     |



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL POINTS, INDIANOLA, STATE OF OREGON  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN \_\_\_\_\_ 1963  
FIELD CHECKED \_\_\_\_\_ 1965. MAP EDITED \_\_\_\_\_ 1981  
GIVEN \_\_\_\_\_ LANDER COUNTY  
ORIGIN \_\_\_\_\_ JUNE 10  
10,000-FOOT STATE GRID TICS \_\_\_\_\_ OREGON, SOUTH ZONE  
1946 CANADIAN DATUM \_\_\_\_\_ 1981 EAST  
NAUTICAL NORTH DECLINATION \_\_\_\_\_  
VERTICAL DATUM \_\_\_\_\_ NATIONAL GEODETIC VERTICAL DATUM OF 1955  
HORIZONTAL DATUM \_\_\_\_\_ 1981 NORTH AMERICAN DATUM  
to place on the predated Powell *Potamogeton* Datum of 1955,  
move the projection lines as shown by dashed corner ticks  
(19 meters north, 19 meters east)  
there may be some uncertainty in the true boundaries of any  
Federal and State Reservations shown on this map  
No distinction made between houses, barns, and other buildings

**PROVISIONAL MAP**  
Produced from original  
manuscript drawings. Infor-  
mation shown as of date of  
photography.

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

**SCALE: 1:75,000**

## GEOLOGIC MAP SYMBOLS

Contact -- Solid where 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.  
 ▲# Sample location and map number for specimens with available chemical analyses -- Consult Table 1 in the attached text.

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## 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 1:75,000 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 06/19/2011.