



STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
VICKI S. MCCONNELL, STATE GEOLOGIST

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Preliminary Geologic Map of the Lake of the Woods South 7.5' Quadrangle, Klamath County, Oregon

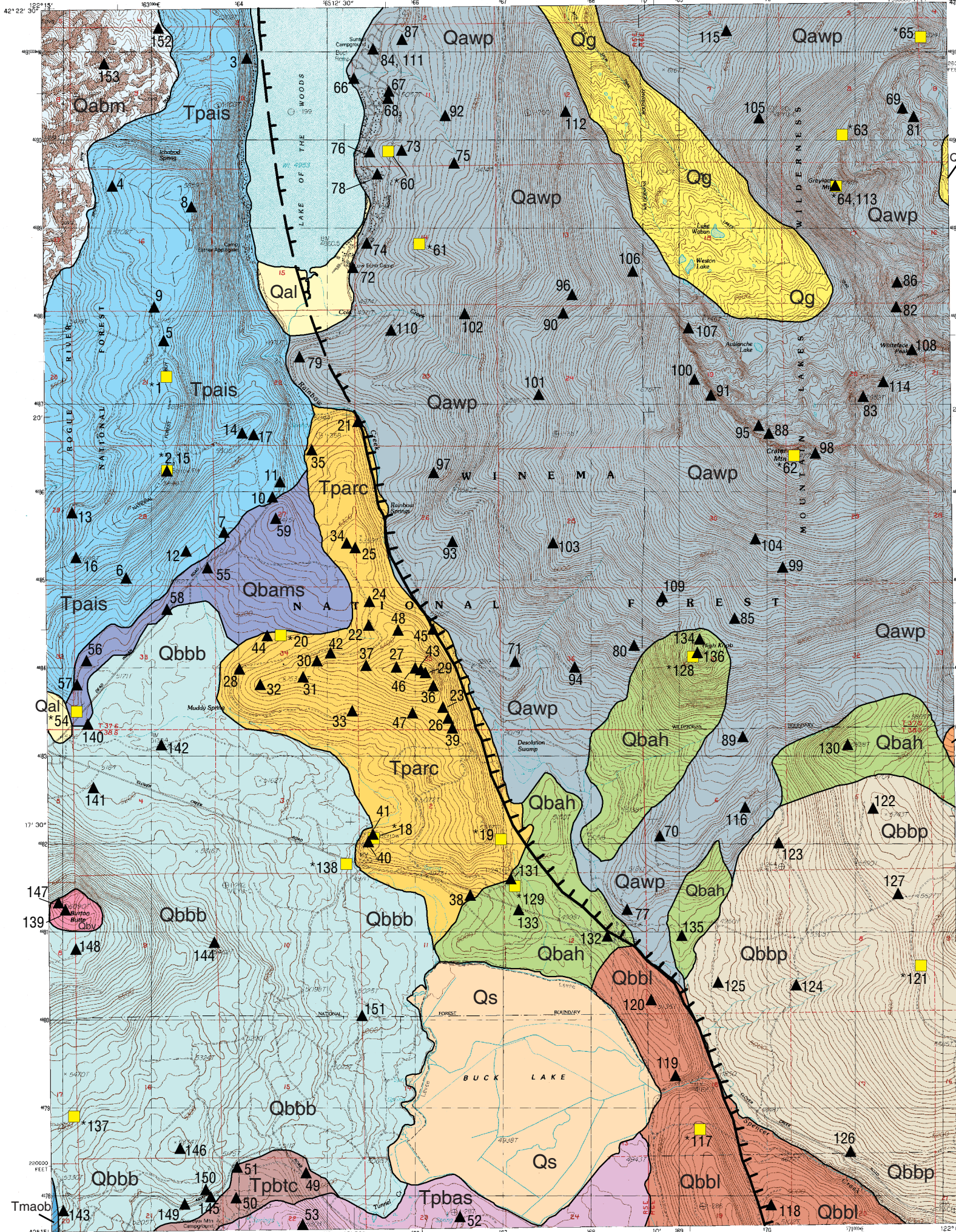
2007

LAKE OF THE WOODS SOUTH QUADRANGLE
OREGON-KLAMATH CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

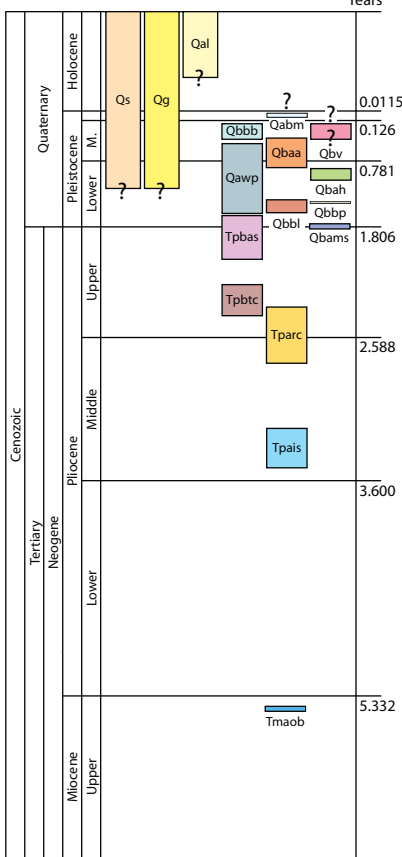
OPEN FILE REPORT 07-13

Preliminary Geologic Map of the Lake of the Woods South 7.5' Quadrangle,
Klamath County, Oregon
By S. A. Mertzman and others

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.



TIME ROCK CHART



MAP UNITS

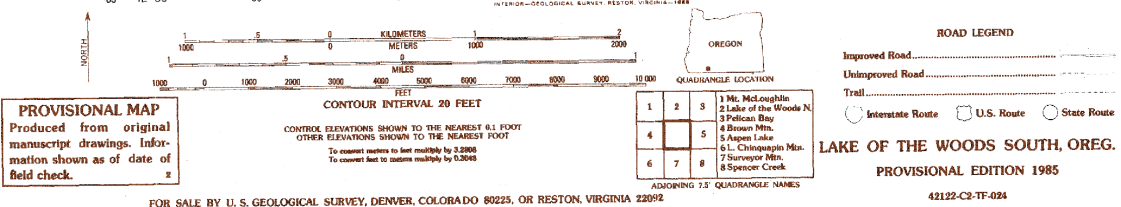
(A full description of the geologic units
is found in the accompanying text)

Surficial Units

- Qal Alluvium (Holocene)
- Qg Undifferentiated colluvium and alluvium (Holocene and Pleistocene)
- Qs Lacustrine deposits (Holocene and Pleistocene)

Volcanic Units

- Qbv Basaltic to basaltic andesite vent deposits (Pleistocene)
- Qbma Andesite of Brown Mountain (Upper Pleistocene)
- Qbbb Basalt of Burton Butte (Middle Pleistocene)
- Qbaa Bas. Andesite of Aspen Butte (Lower to Middle Pleistocene)
- Qbah Basaltic Andesite of High Knob (Lower Pleistocene)
- Qbbp Basalt of Buck Peak (Lower Pleistocene)
- Qbbi Basalt of Buck Lake (Lower Pleistocene)
- Qawp Andesite of Whiteface Peak (Lower to Middle Pleistocene)
- Qbams Bas. Andesite of Muddy Spring (Up. Pliocene to Lo. Pleistocene)
- Tpbas Bas. And. of Surveyor Mountain (Up. Pliocene to Lo. Pleistocene)
- Tpbt Basalt of Tunnel Creek (Upper Pliocene)
- Tparc Andesite of Rainbow Creek (Middle to Upper Pliocene)
- Tpais Andesite of Ichabod Spring (Middle Pliocene)
- Tmaob Andesite of Old Baldy East (Upper Miocene)



SCALE: 1:52,000

GEOLOGIC MAP SYMBOLS

- Contact -- Approximately located
- Fault -- Solid where approximately located; dashed where concealed; 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.

Geology by:

Stanley A. Mertzman (Franklin and Marshall College)
Richard W. Hazlett (Pomona College)
Stephen G. Weaver (Colorado College)
Robert Bruant, Jr. (formerly at Franklin and Marshall College)
Stephen Crabtree (formerly at Franklin and Marshall College)
Lindley Hall (formerly at Williams College)
Richard Heermance III (formerly at Colorado College)
Amy Humm (formerly at Amherst College)
Jennifer Pallon (formerly at Smith College)
Matthew Reuer (formerly at Carleton College)
James Rowe (formerly at Carleton College)
Benjamin Schiffer (formerly at Whitman College)
Jonathon Zook (formerly at Colorado College)

Field Work: 1984, 1986, 1991, 1992, 1994, 1998, 1999, 2000, 2004

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 Lake of the Woods South 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.