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 Spencer Creek 7.5′ Quadrangle, Klamath County, Oregon

2008

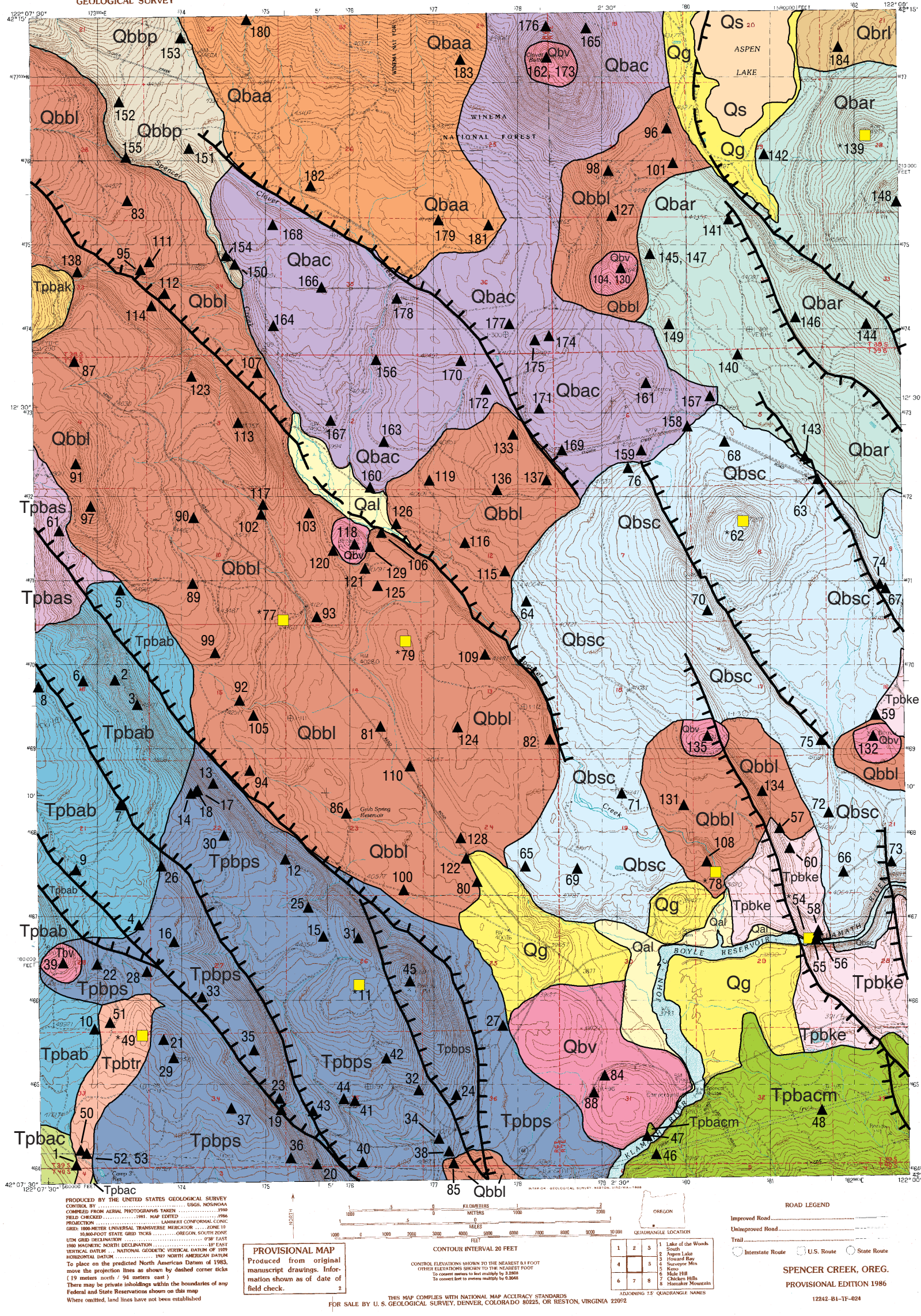
SPENCER CREEK QUADRANGLE
OREGON—KLAMATH CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 08-01

Preliminary Geologic Map of the Spencer Creek 7.5′ Quadrangle, Klamath County, Oregon

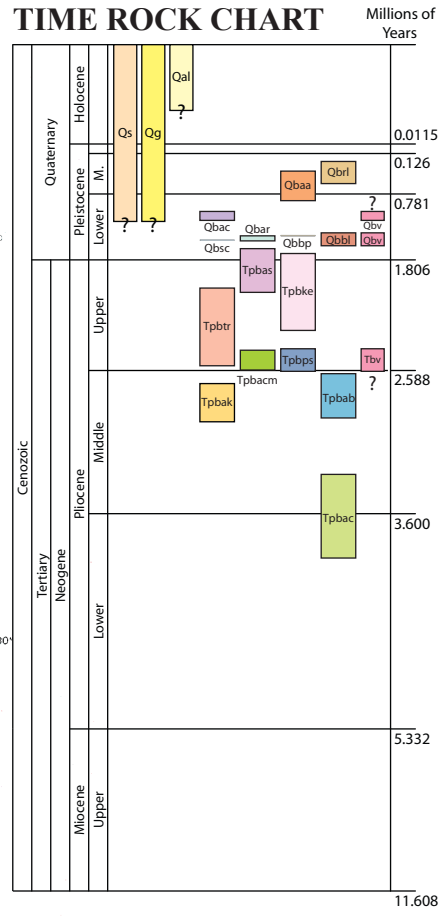
By S. A. Mertzman

The views and conclusions contained in this document are those of the author and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. government.



TIME ROCK CHART

Millions of Years



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, Tbv — Basaltic to basaltic andesite vent deposits (Plio. to Pleist.)
- Qbrl — Basalt of Round Lake (Middle Pleistocene)
- Qbaa — Bas. Andesite of Aspen Butte (Lower to Middle Pleistocene)
- Qbac — Bas. Andesite of Clover Butte (Lower Pleistocene)
- Qbbp — Basalt of Buck Peak (Lower Pleistocene)
- Qbar — Basaltic Andesite of Roma (Lower Pleistocene)
- Qbbl — Basalt of Buck Lake (Lower Pleistocene)
- Qbsc — Basalt of Spencer Creek (Lower Pleistocene)
- Tpbas — Bas. And. of Surveyor Mtn. (Up. Plio. to Lo. Pleistocene)
- Tpbke — Basalt of Keno (Up. Plio. to Lo. Pleistocene)
- Tpbtr — Basalt of Tom Reservoir (Upper Pliocene)
- Tpbacm — Bas. And. of Chase Mtn. (Upper Pliocene)
- Tpbps — Basalt of Penny Spring (Upper Pliocene)
- Tpbab — Bas. And. of Buck Mtn. (Middle Pliocene)
- Tpbak — Bas. And. of Kent Peak (Middle Pliocene)
- Tpbac — Bas. And. of Camp Creek (Lower to Middle Pliocene)

SCALE: 1:52,000

Geology by:
Stanley A. Mertzman (Franklin and Marshall College)

Field Work: 1992, 1995, 1997, 1998, 1999, 2000, 2004, 2006, 2007

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.
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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 Spencer Creek quadrangle, the colored geologic units, the geologic unit boundaries, the faults, 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.