U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
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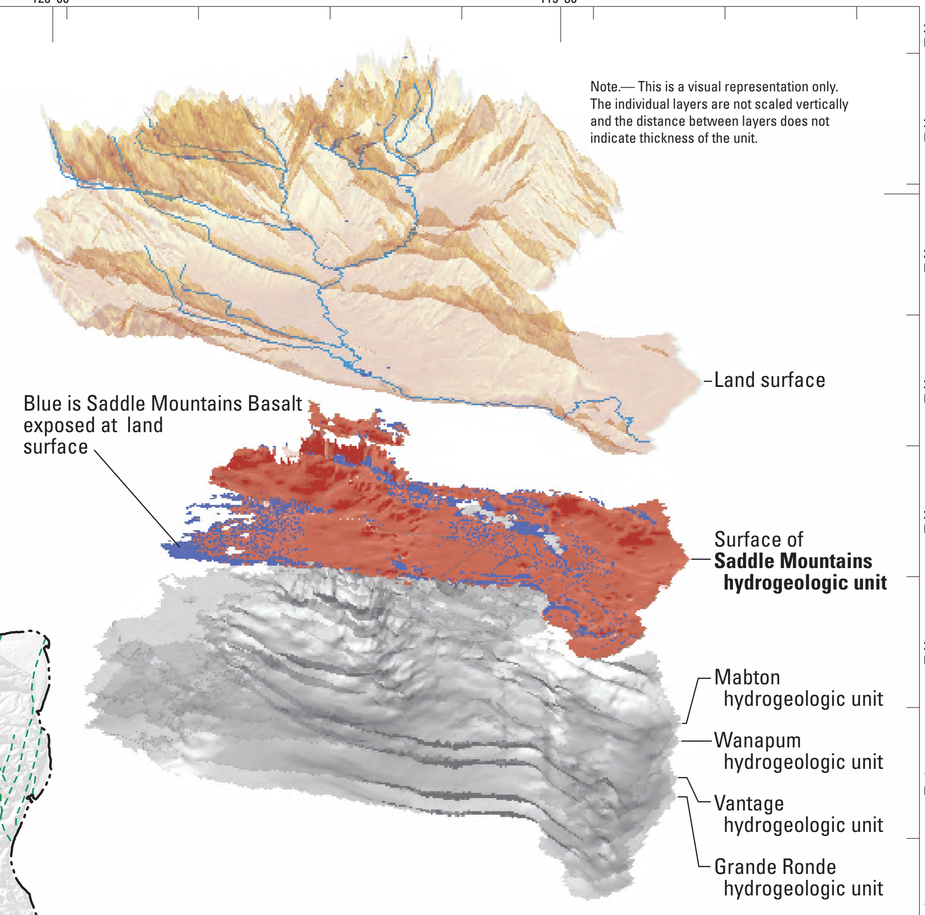
BUREAU OF RECLAMATION, WASHINGTON STATE DEPARTMENT OF ECOLOGY, AND THE YAKAMA NATION

SCIENTIFIC INVESTIGATIONS REPORT 2008–5045
Extent and depth to top of Saddle Mountains hydrogeologic unit—PLATE 1
Jones, M.A., and Vaccaro, J.J., 2008, Extent and Depth to Top of Basalt and Interbed Hydrogeologic Units, Yakima River Basin Aquifer System, Washington



121°30′ 121°00′ 120°30′ 120°00′ 119°30′

47°30′ 47°00′ 46°30′ 46°00′

T. 20 N. T. 24 N. T. 23 N. T. 22 N. T. 21 N. T. 20 N. T. 19 N. T. 18 N. T. 17 N. T. 16 N. T. 15 N. T. 14 N. T. 13 N. T. 12 N. T. 11 N. T. 10 N. T. 9 N. T. 8 N. T. 7 N. T. 6 N.

R. 10 E. R. 11 E. R. 12 E. R. 13 E. R. 14 E. R. 15 E. R. 16 E. R. 17 E. R. 18 E. R. 19 E. R. 20 E. R. 21 E. R. 22 E. R. 23 E. R. 24 E. R. 25 E. R. 26 E. R. 27 E. R. 28 E. R. 29 E.

Keechelus Lake
Kachess Lake
Cle Elum Lake
Teanaway River
North Fork
YAKIMA RIVER
Cle Elum River
Cle Elum
Little Naches River
Ellensburg
Bumping River
Bumping Lake
Naches
Naches River
Tieton River
Rimrock Lake
North Fork Ahtanum Creek
Yakima
Union Gap
Wapato
Toppenish
Sunnyside
Dry Creek
Satus Creek
Prosser
Kiona
Richland
YAKIMA RIVER

EXPLANATION

- EXTENT OF SADDLE MOUNTAINS BASALT EXPOSED AT LAND SURFACE
- EXTENT OF SADDLE MOUNTAINS HYDROGEOLOGIC UNIT BELOW LAND SURFACE
- BOUNDARY OF STUDY AREA
- 200 — DEPTH TO TOP OF SADDLE MOUNTAINS HYDROGEOLOGIC UNIT— in feet. Contour interval is 200 feet
- FOLD
- FAULT

0 5 10 15 20 25 30 35 MILES
0 5 10 15 20 25 30 35 40 45 50 55 KILOMETERS
SCALE 1:250 000

Base from U.S. Geological Survey and/or Washington Division of Geology and Earth Resources digital data, 1983, 1:100,000
Universal Transverse Mercator projection, Zone 10
Horizontal Datum: North American Datum of 1927 (NAD 27)
Vertical Datum: North American Vertical Datum of 1988 (NAVD 88)

Extent and Depth to Top of Saddle Mountains Hydrogeologic Unit, Yakima River Basin Aquifer System, Washington

By
Myrtle A. Jones and John J. Vaccaro
2008