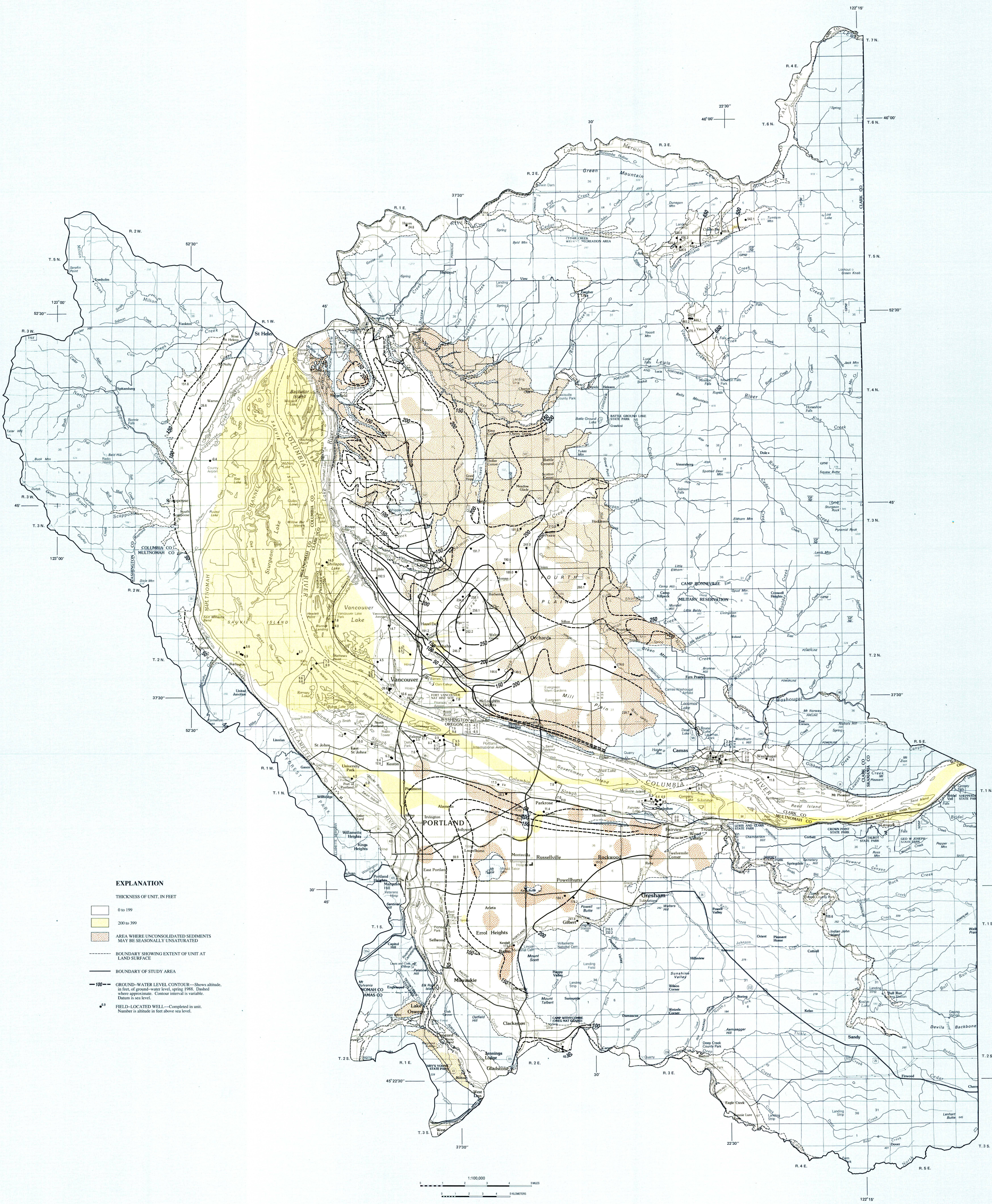
Prepared in cooperation with the
CITY OF PORTLAND BUREAU OF WATER WORKS,
INTERGOVERNMENTAL RESOURCE CENTER, AND
OREGON WATER RESOURCES DEPARTMENT


McFarland, W.D. and Morgan, D.S., 1996, Description of the ground-water flow system in the Portland basin, Oregon and Washington




## EXPLANATION

THICKNESS OF UNIT, IN FEET

- 0 to 199
- 200 to 399
- AREA WHERE UNCONSOLIDATED SEDIMENTS MAY BE SEASONALLY UNSATURATED

- - - - - BOUNDARY SHOWING EXTENT OF UNIT AT LAND SURFACE

—— BOUNDARY OF STUDY AREA

—100— — GROUND–WATER LEVEL CONTOUR––Shows altitude, in feet, of ground–water level, spring 1988. Dashed where approximate. Contour interval is variable. Datum is sea level.

•6.9 FIELD–LOCATED WELL––Completed in unit. Number is altitude in feet above sea level.

Base modified from U.S. Geological Survey
1:100,000 topographic quadrangles, 1978–84.

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1997
Hydrogeology modified from Swanson and others, 1993

# MAP SHOWING EXTENT, THICKNESS, AND SPRING 1988 WATER LEVELS FOR THE UNCONSOLIDATED SEDIMENTARY AQUIFER

By
William D. McFarland

1996