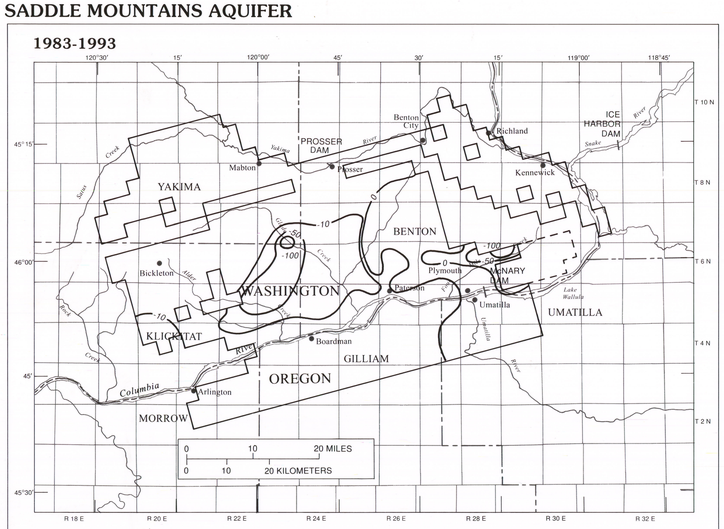
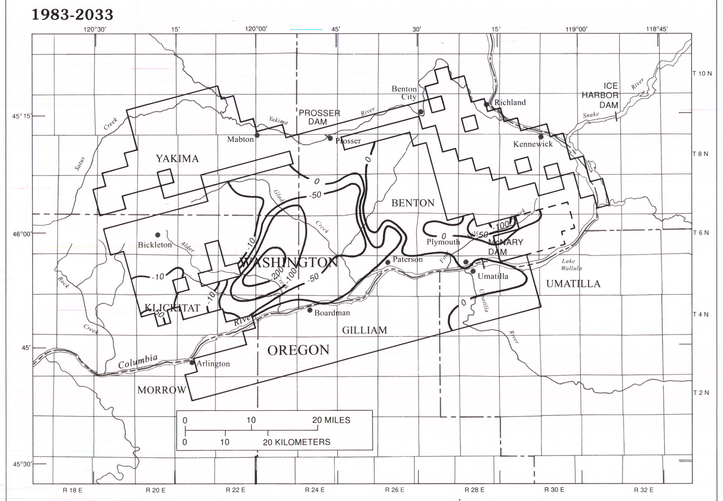
Packard, F.A., Hansen, A.J., and Sinton, W.M., 1994, Hydrogeology and simulation of flow and the effects of development alternatives on the basalt aquifers of the Horse Heaven Hills, South Central Washington

SADDLE MOUNTAINS AQUIFER

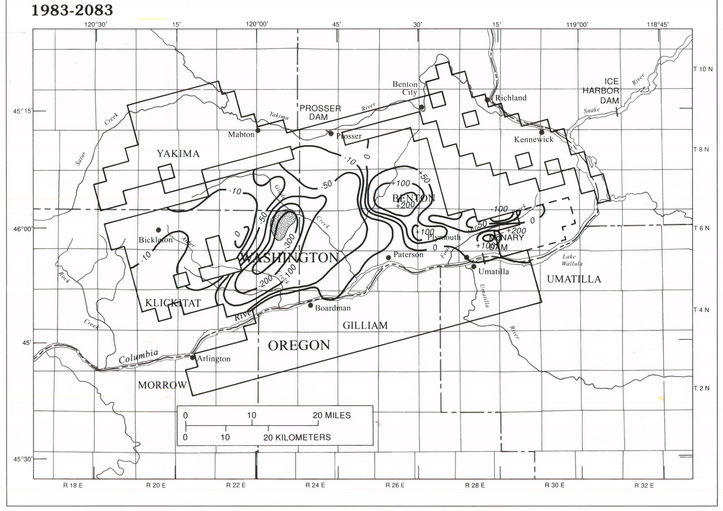
1983-1993



1983-2033

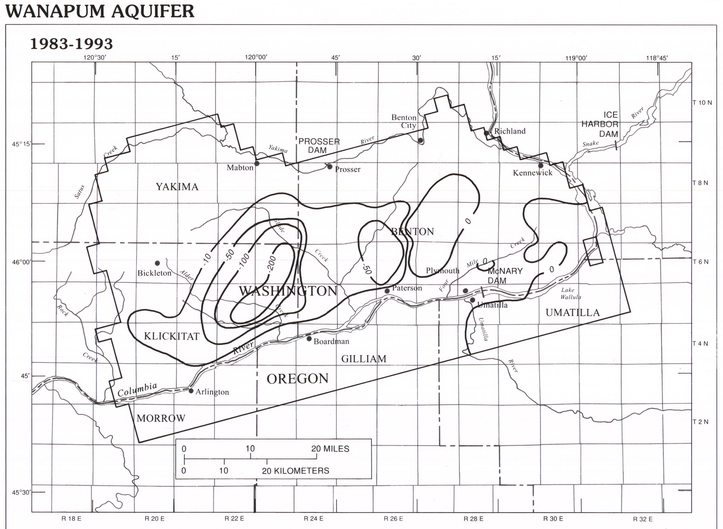


1983-2083

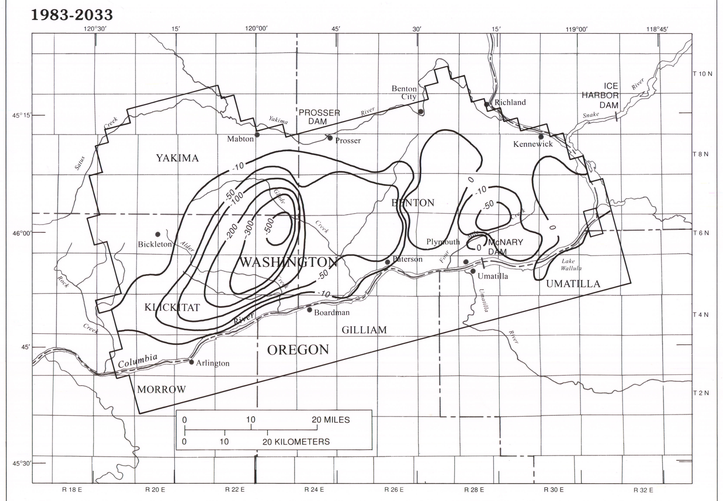


WANAPUM AQUIFER

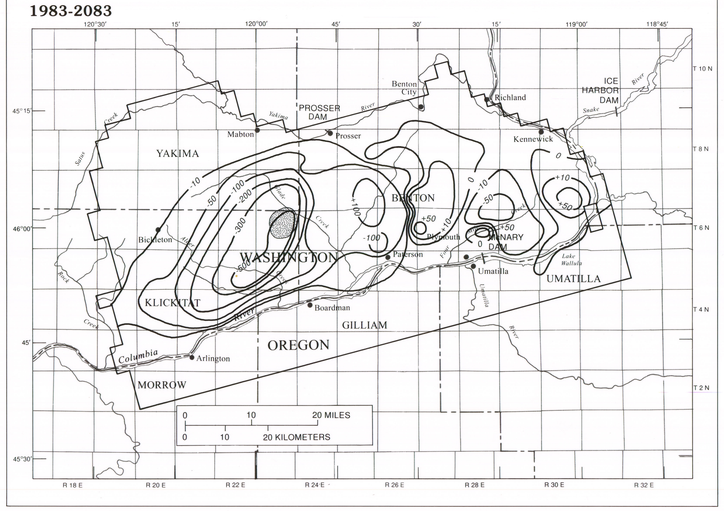
1983-1993



1983-2033

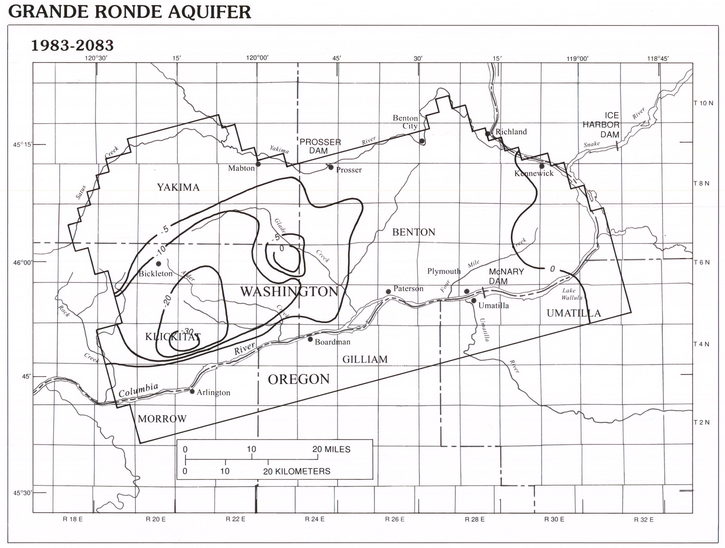


1983-2083



GRANDE RONDE AQUIFER

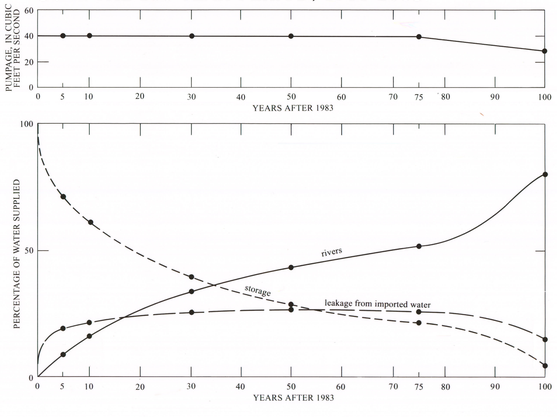
1983-2083



EXPLANATION

- **Area of dry nodes**
- **Node added to model**—Used to simulate rewetting by imported water in previously unsaturated area
- 0 **Line of equal water-level change**—Interval, in feet, is variable. Queried where uncertain
- **Model boundary**

PUMPAGE AND SOURCE OF WATER TO PUMPAGE OVER THE 100 YEAR PERIOD, 1983-2083



Base modified from U.S. Geological Survey 1:500,000, 1987

MAPS SHOWING MODEL-PREDICTED WATER-LEVEL CHANGES IN THE BASALT AQUIFERS OF THE HORSE HEAVEN HILLS, WASHINGTON, USING THE DEVELOPED ALTERNATIVE PUMPAGE OVER THE 100 YEAR PERIOD 1983-2083

By
F.A. Packard
1996