

Aquifer Monitoring Sites

EXPLANATION

----- 2005 REVISED EXTENT OF SPOKANE VALLEY-
RATHDRUM PRAIRIE AQUIFER

MEASUREMENT SITES

- Monthly ground-water level site,
June 2004 to present
- Recorder, continuous ground-water
level site, July 2004 to present
- Ground-water level sites, September 2004
- ▲ Surface-water sites, September 2004

0 2 4 6 8 10 12 MILES
0 2 4 6 8 10 12 14 16 18 KILOMETERS

Data for the USGS Bi-State Study was gathered from the groundwater wells and surface water sampling sites indicated on this map. The USGS Bi-State Study is the first to thoroughly cover the Aquifer extent with monitoring sites, and to coordinate sampling events by gathering data of Aquifer and stream flow conditions at virtually the same time. The data from the 2004-2005 sampling program gives us the most comprehensive understanding yet of groundwater flow dynamics, of the influence of pumping and recharge in different regions of the Aquifer, of the interchange as water flows to and from the Spokane River, and of Aquifer water as it finally emerges as springs along the Little Spokane River and as subsurface flow at Long Lake. The results of the Study and development of the Aquifer model provide tools for the evaluation of alternate water resource management strategies throughout the Aquifer.

