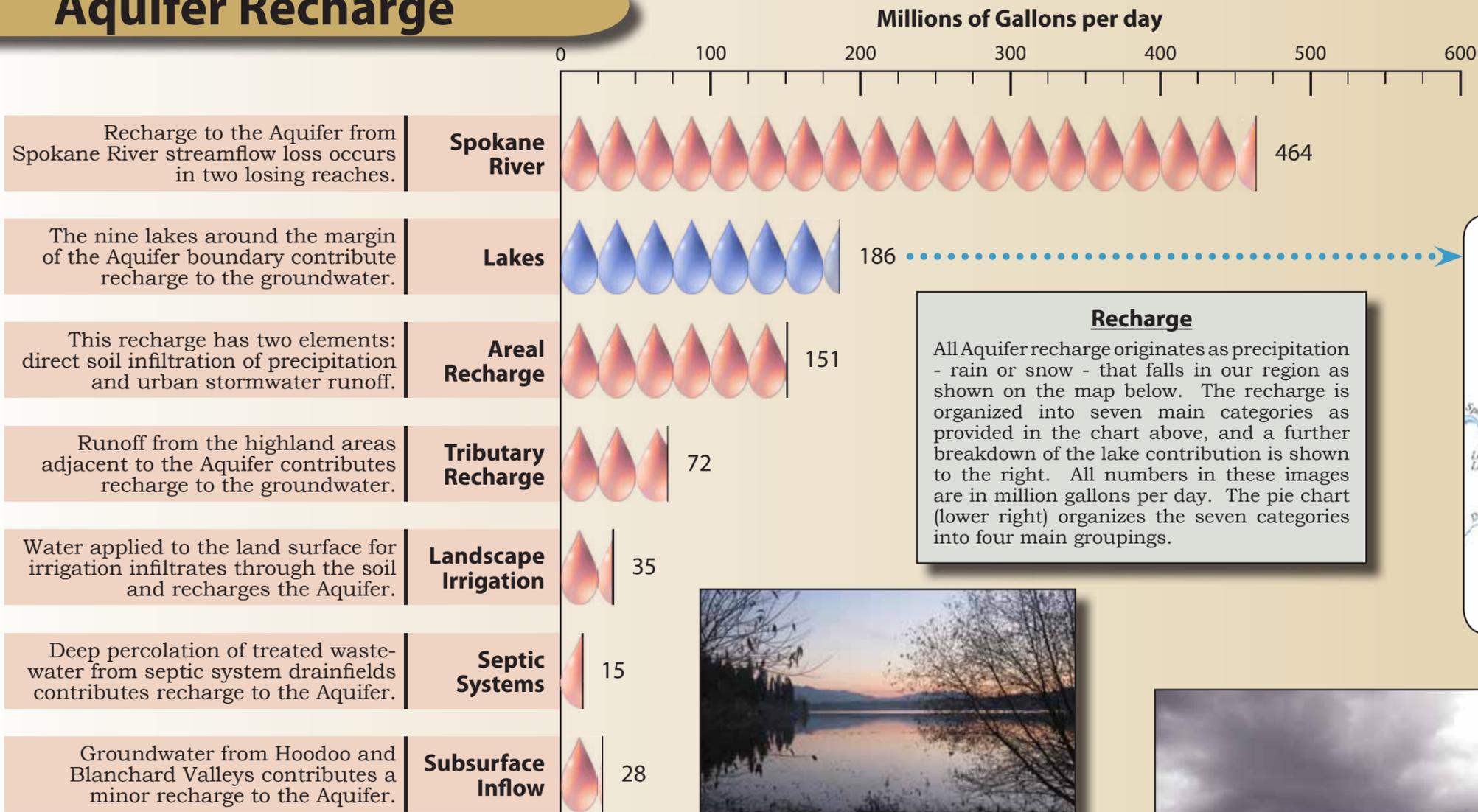
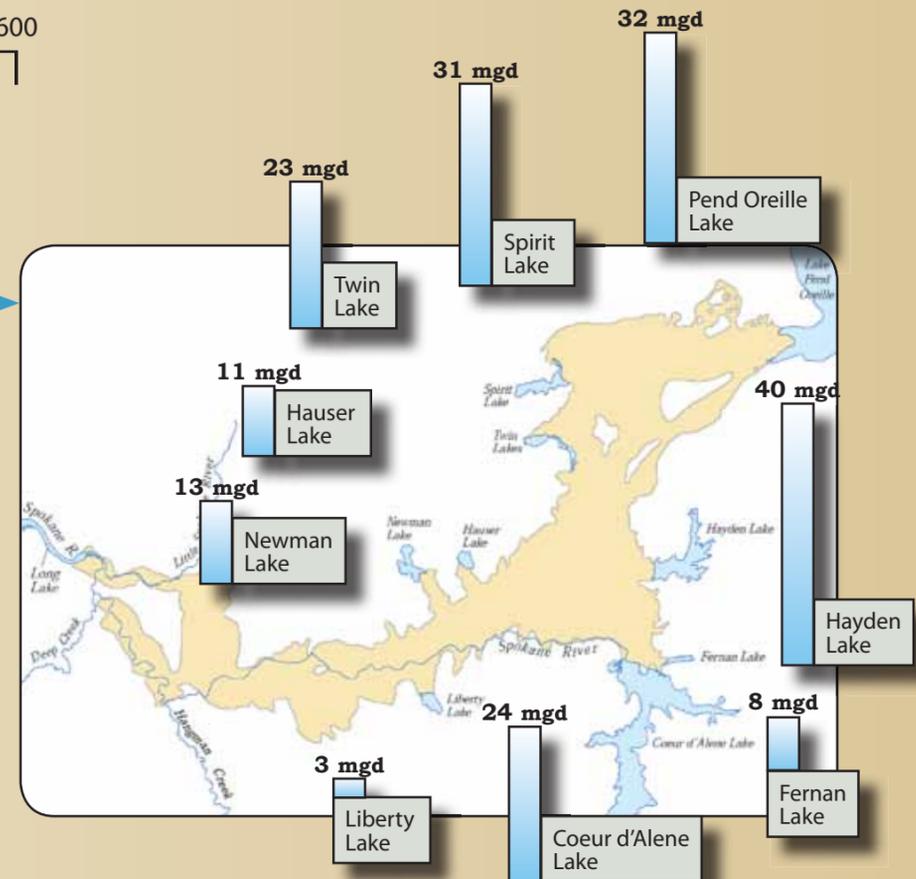


Aquifer Recharge



Recharge
All Aquifer recharge originates as precipitation - rain or snow - that falls in our region as shown on the map below. The recharge is organized into seven main categories as provided in the chart above, and a further breakdown of the lake contribution is shown to the right. All numbers in these images are in million gallons per day. The pie chart (lower right) organizes the seven categories into four main groupings.



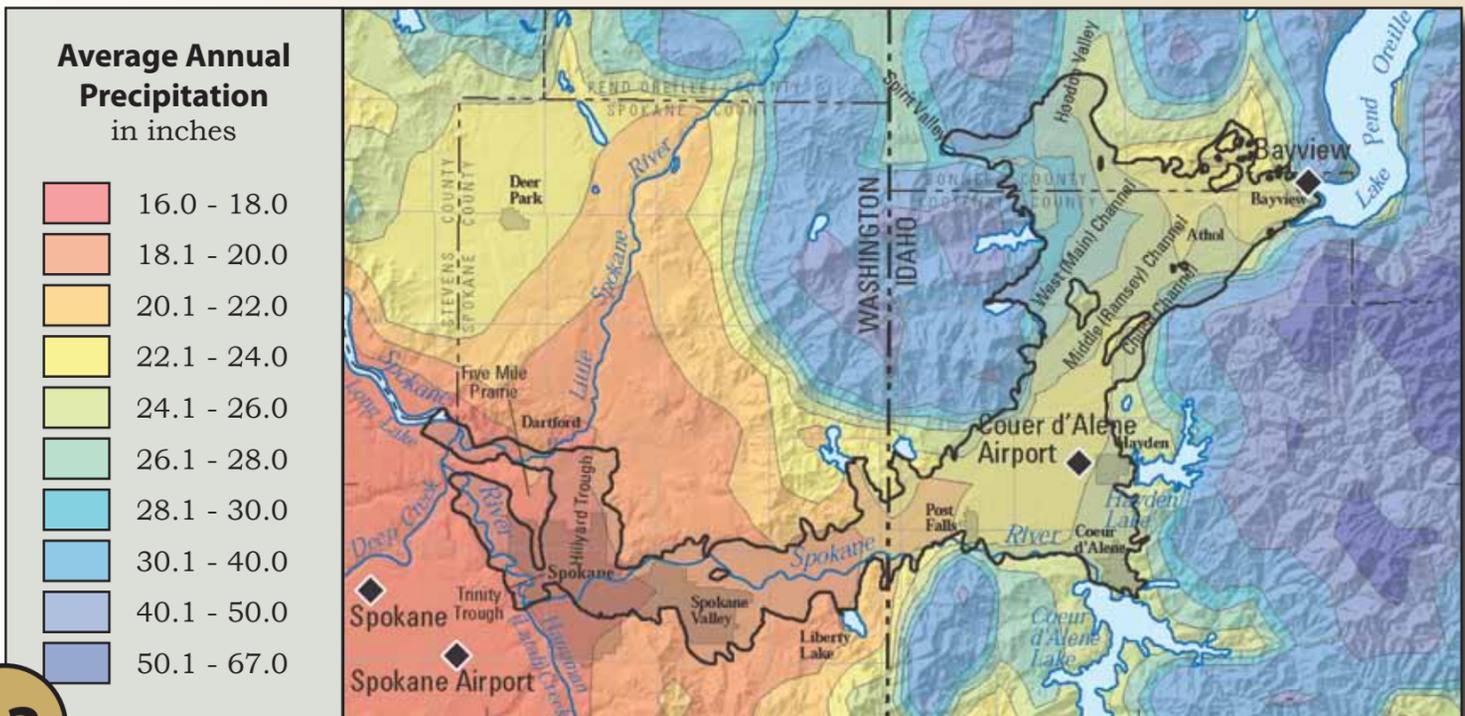
Hauser Lake recharges the Aquifer



Upland meadow that recharges our Aquifer

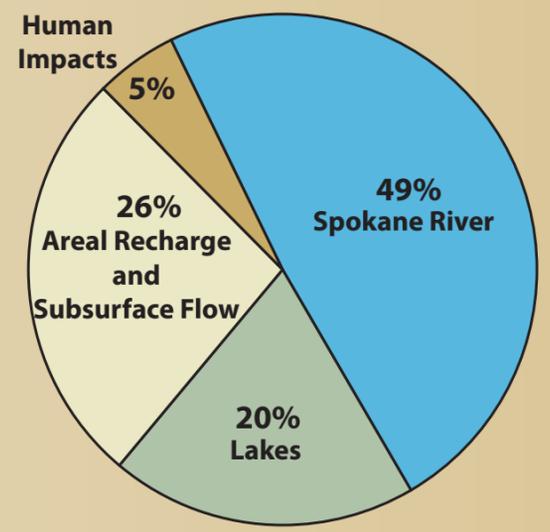
Spokane River Flows
In 2009 Avista agreed to release enough water from the Post Falls Dam to maintain a minimum instream flow in the Spokane River below the dam at 600 cubic feet per second (388 mgd). As a result, additional Aquifer recharge is anticipated during seasonal low river flow periods.

The recharge graphs on this page are adapted from Figure 11, page 22, USGS Scientific Investigations Report 2007-5041.



Aquifer Facts

The Spokane River is the largest contributor to the Aquifer, providing an average of 464 million gallons daily, about 49% of the total Aquifer inflow. The Spokane River is also the largest destination for Aquifer water, receiving an average of 556 million gallons per day (mgd), about 58% of the total outflow. The Little Spokane River is the second largest Aquifer recipient with 150 mgd.



Percentage of Recharge to the Aquifer