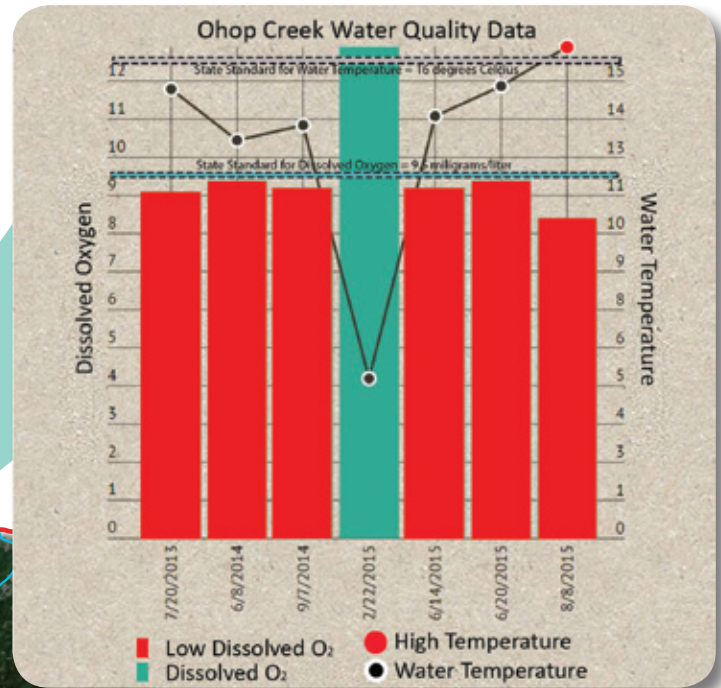
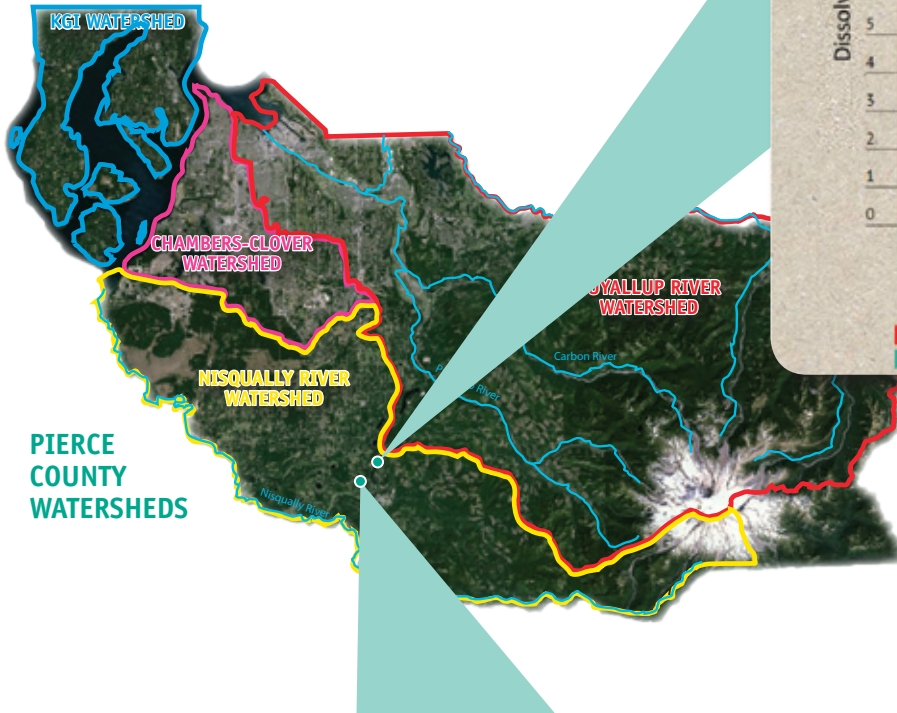


Local Water Quality Data

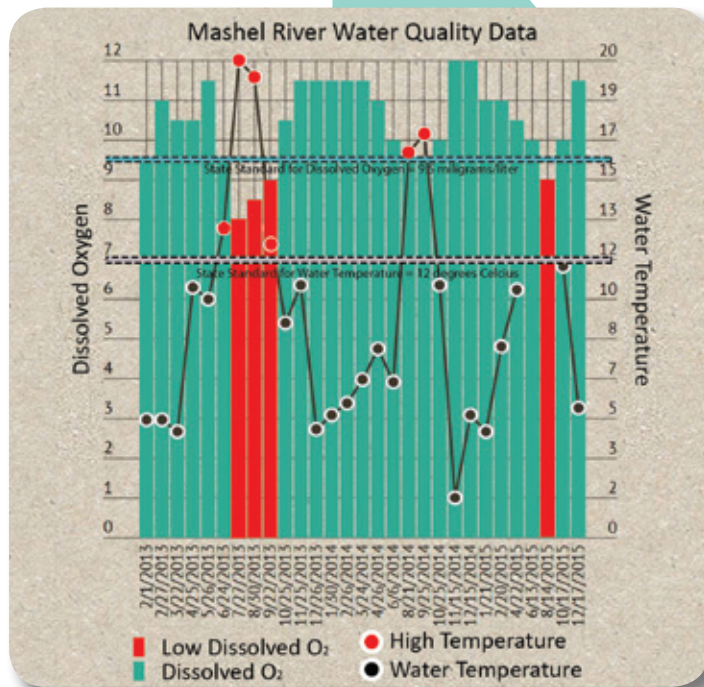
In the Spotlight: Creeks Highlighted this Quarter

Ohop Creek Stream Monitor:
Bob Kimball

Mashel River Stream Monitor:
Charlie Butler



Ohop Creek is located in the Nisqually watershed. It flows approximately 12 miles from its headwaters upstream of Ohop Lake in a southwesterly direction to its confluence with the Nisqually River. One significant feature of the creek is Ohop Lake which occupies about 2 miles of the upper creek. The section of Ohop Creek located above the lake is slough-like (low velocity), and is the location of the monitoring site. Volunteer collected data beginning in 2013 for dissolved oxygen and water temperature is shown above. The state standard for dissolved oxygen (blue) and water temperature (green) are also represented on the graph above. For this time period there was one incidence of water temperature not meeting the state standard (red circle) while there multiple incidences of low dissolved oxygen (red bars) during this time. Most of the data was collected during the summer months when water levels are lower, flow is much slower, and air temperatures are warmer, all of which contribute to low dissolved oxygen levels.



The **Mashel River** is located in the Nisqually watershed. It flows approximately 20 miles from headwaters in the mountain slopes east of Eatonville to its confluence with the Nisqually River. The Mashel River supports runs of chinook, coho, and pink salmon. Volunteer collected data beginning in 2013 for dissolved oxygen and water temperatures are shown above. The state standard for dissolved oxygen (blue) and water temperature (green) are also represented on the graph above. For this time period (Feb 2013 to Dec 2015) there are several incidences of water temperature not meeting state standards (red circles) while there were also several incidences of low dissolved oxygen (red bars) during this time. The low dissolved oxygen levels and the high water temperatures occurred during the summer months when water levels can be very low and air temperatures high.

