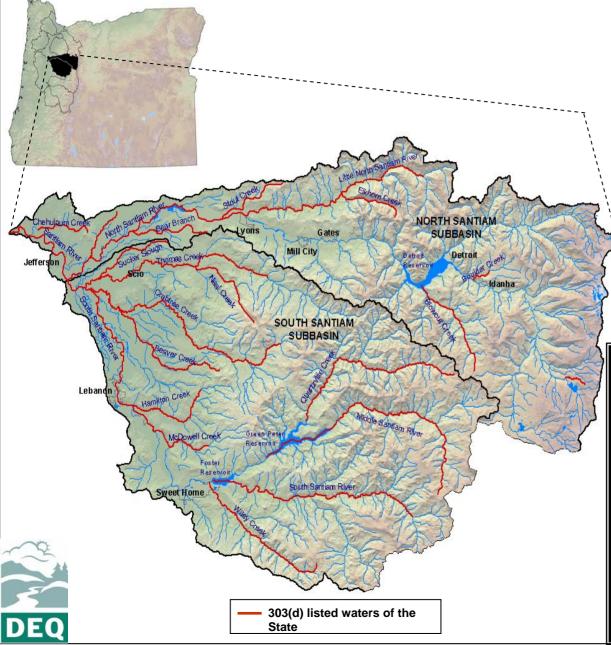
Total Maximum Daily Loads (TMDLs) - Implementation

North Santiam and South Santiam Subbasin Water Quality Overview



Issues

The Oregon Department of Environmental Quality (DEQ) has established **TMDLs** to address elevated **temperature** and **mercury** levels throughout the North Santiam and South Santiam Subbasins and a planning target has been proposed for **bacteria** in the urban and agricultural areas.

Temperature: Waters in these Subbasins are warmer than is necessary to protect salmonid rearing and spawning. Lack of riparian vegetation and impacts from dams and water withdrawals are the major contributors to high temperatures.

<u>Mercury:</u> The Willamette River has fish consumption advisories due to elevated levels of mercury found in some fish species. The Subbasins will be addressed as part of a basin-wide strategy for mercury. General sources include permitted sources, air deposition, and erosion of soils which contain mercury from natural and anthropogenic sources.

Bacteria: People can become sick if they ingest water that is contaminated with bacteria when they are swimming, recreating or in contact with the water. Both urban and rural/agricultural sources are major contributors to the high bacteria levels.

Other Pollutants of Concern: The Santiam River was added to the 303(d) list in 2002 for dissolved oxygen. DEQ will address this pollutant in future updates of the TMDL. Other concerns in these subbasins include sedimentation, loss of fish habitat and protection of water supplies.

Actions

Partners: DEQ has been working with a variety of partners during development of the TMDL and will continue to work with a wide variety of partners for successful TMDL implementation. These partners include the cities, counties, Watershed Councils, local Soil and Water Conservation Districts (SWCDs), Oregon State University, state and federal agencies.

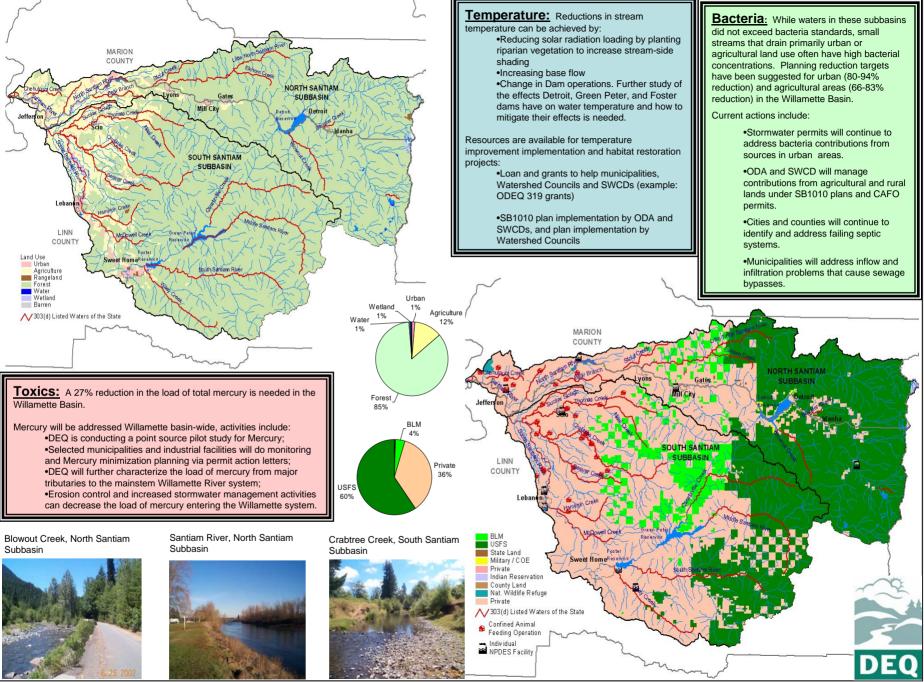
The initial step in successful watershed restoration is implementation planning. Many Watershed Councils have developed or are developing their watershed plans and have started on implementation Initial SB1010 plans for agricultural lands have been developed.

Major DEQ activities include:

- •Permitting of waste water discharges, including stormwater;
- •Technical and financial assistance for source identification and
- implementation activities (grant and loan funding);
- Cleanup activities;
- Monitoring activities, to include assistance to volunteer monitoring efforts; and

 Increased direct technical assistance to communities that choose to move beyond the assessments and develop a Drinking Water
Protection Plan. Developing a plan facilitates local decision making as the community determines how to protect their own drinking water sources.

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