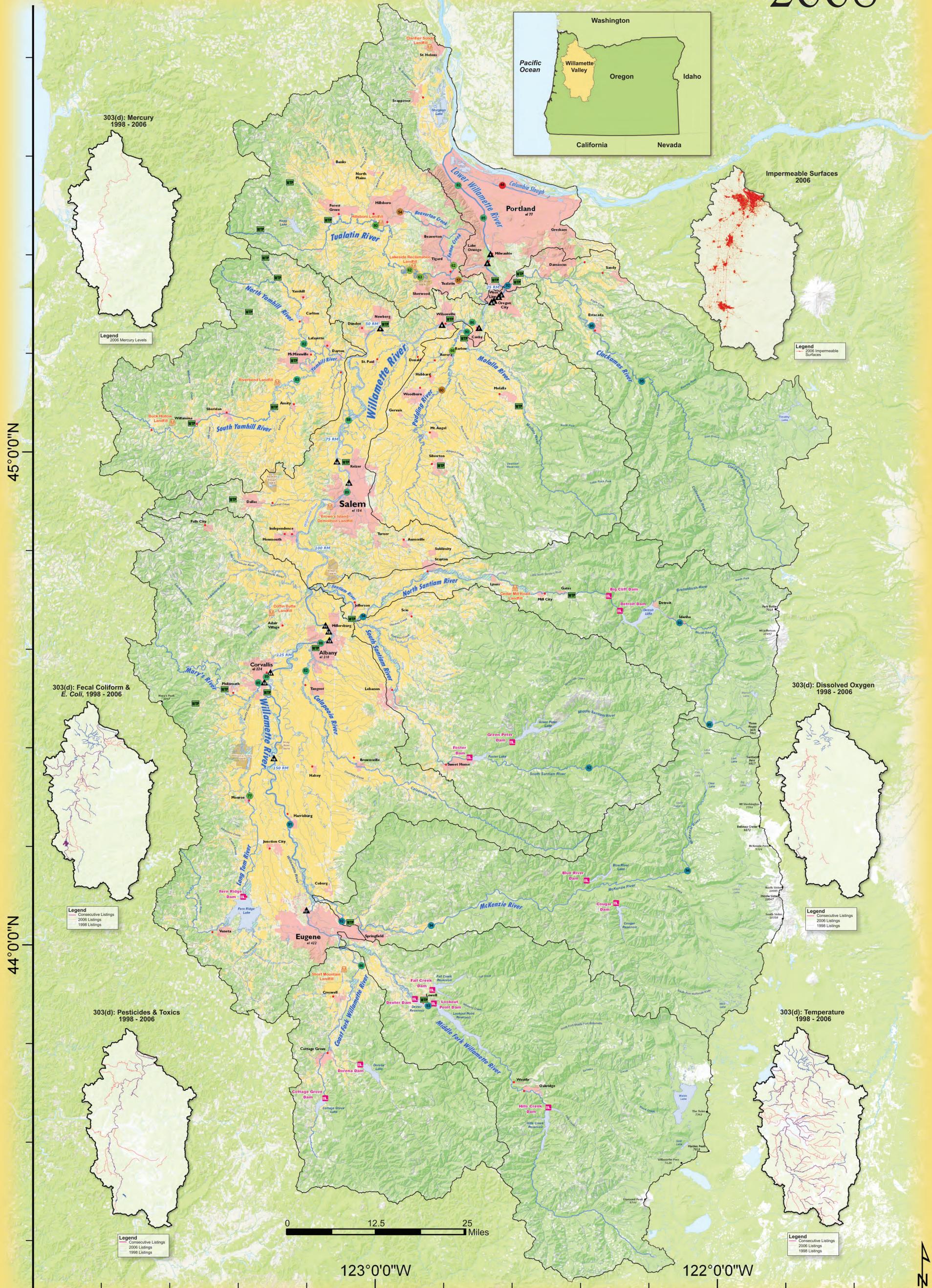


Willamette River Water Quality 2008



Credits:
 Cartography: Richard Hughes, Oregon State University (OSU) College of Geographic Science.
 Poster Map Layout/Design: David Zahler, OSU College of Forestry Media Center.
 Content Authors: Richard Hughes, OSU College of Geographic Science; Erin Popalka, Corvallis Environmental Center Outreach Coordinator; Map Introduction by Todd Jarvis, OSU Institute for Water and Watersheds.
 Content Editors: David Zahler, OSU College of Forestry Media Center; Todd Jarvis, OSU Institute for Water and Watersheds; Diana Cook, National Council for Air and Stream Improvement, Corvallis.
 Corvallis Environmental Center (CEC) www.corvallisenvironmentalcenter.org
 The Institute for Water and Watersheds (IWW) www.water.oregonstate.edu

Key: For more information, refer to opposite side of map.

- Subbasin Boundary
- Wetlands
- National Wildlife Refuge
- City Limits 2007
- Tree Canopy
- Agricultural Land Use

2006 Oregon Water Quality Index Scores

- 44 - 50
- 51 - 60
- 61 - 70
- 71 - 80
- 81 - 90
- 91 - 100

USACE Dams

- Landfills
- Sewage Treatment Plants
- Water Treatment Plants
- Peak Elevations
- Rivers and Creeks
- Major Mixing Zones (Number corresponds with NPDES pointsource permittee described on back of poster.)

The Map Project:
 Oregon's "working" river, the Willamette River, like most river systems in Oregon, has been heavily modified in order to achieve various flood control, irrigation, navigation, hydropower, recreation and water supply benefits. Yet few Oregonians think beyond the value of the Willamette River as an omnipresent landscape feature. The water from the river is "virtually" embedded in Oregon-made products, from products usually considered intimately connected to water derived from agriculture, including Oregon's world-class wines and beers, but also bottled water, computer chips, housing developments, parks and golf courses, utilities, and energy development with the focus on renewable energy such as hydropower and biofuels. Add to the mix the fisheries, river recreation and scenic values, and the river is inextricably embedded into our lives.

So why create a water quality map of the Willamette River basin? Water quantity and water quality issues along the Willamette River are only going to become intensified as Oregon's population is projected to increase by around 41% by 2030, primarily in the Willamette River basin. Along with climate change, an anticipated increase in waterway invasive species, and society's desire to protect salmon and related resources, comes an increase in waste disposal and chemical use within the basin (for example, the first accounting of pesticide use in Oregon in 2007 revealed nearly 9.7 million pounds of pesticides used in the Willamette River basin). A map of the water quality situation in the Willamette River basin is a tool to assist all of us living in the basin with knowing our place, and planning for the future.

The first map of the water quality of the Willamette River basin compiled by the Corvallis Environmental Center in 1997 showed the extent of the Willamette River from Eugene to Oregon City. This new map encompasses the entire Willamette River watershed on a topographic base map. With the increased breadth of the map, we hope that all residents, both old and new, will become familiar with the river's biogeography (we're all downstream!), and the threats to the integrity of the Willamette River. Like all waterways in Oregon, it is your river to know and to sustain.