



Umpqua Basin Toxics Monitoring Summary

This summary combines results from DEQ's Toxics Monitoring Program sampling in the Umpqua River Basin between 2011 and 2015 in three media types: water, sediment and fish tissue. This is the first comprehensive report on DEQ's toxics sampling in the Umpqua River Basin.

Key Objectives:

- Get a snapshot of pollutants in the Umpqua River to help understand trends
- Use this information to identify potential sources
- Make this information available to the public
- Work with internal DEQ groups, community groups, and Oregon residents to identify opportunities for reducing these pollutants

Sample Collection:



Water

45 samples
15 locations



Sediment

14 samples
14 locations



Tissue

6 samples
2 locations

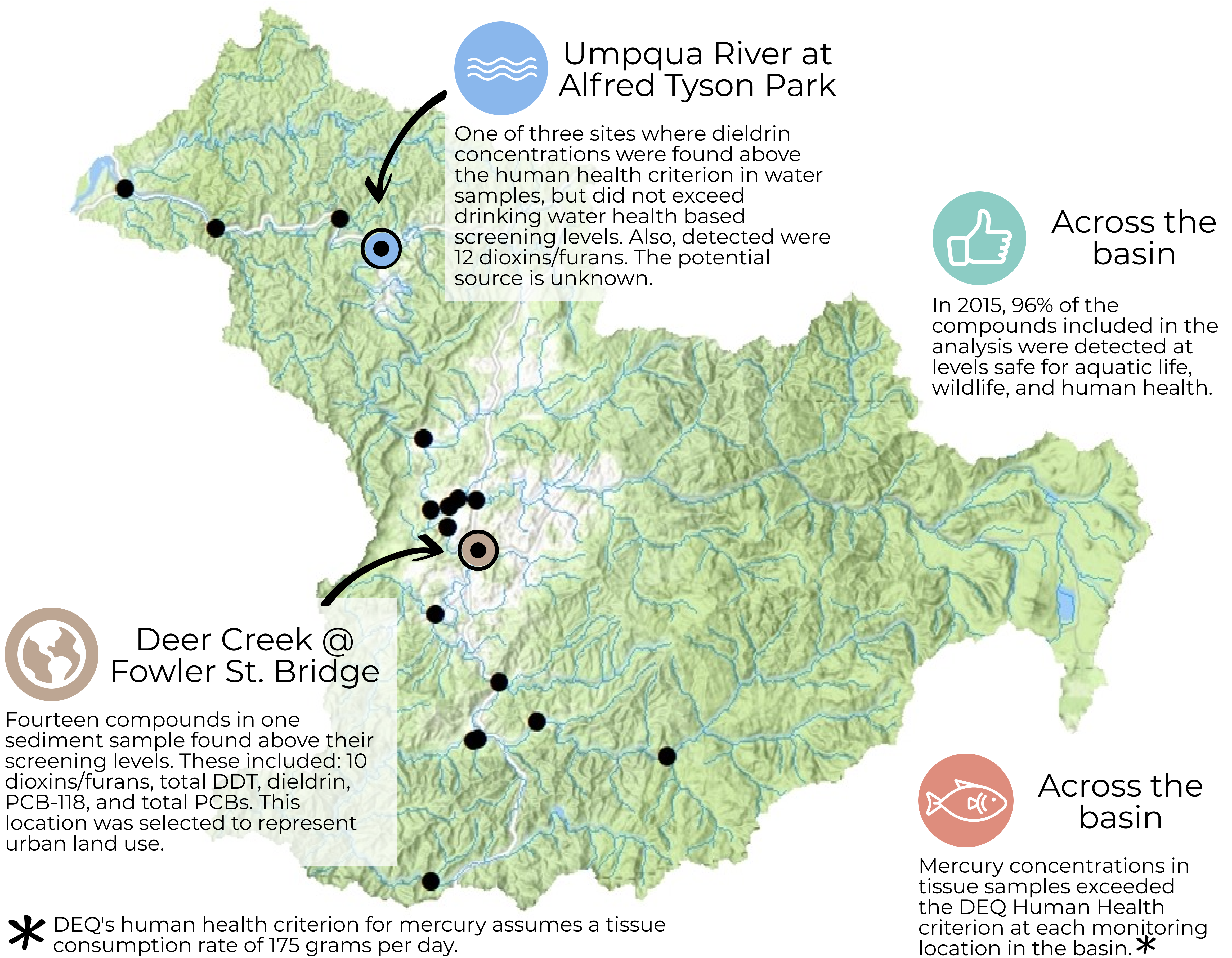
- **Chemical groups included:**

- Current-use pesticides, consumer use products, combustion by-products, dioxins and furans, flame-retardants, industrial chemicals, legacy pesticides, PCBs, and metals

Key Findings:

- DEQ did not find evidence of toxics that pose an immediate risk to human health or the environment
- It is safe to fish, boat, and otherwise recreate in the Umpqua River Basin, despite the exceedances of criteria identified in this report
- Oregon Health Authority has issued guidelines for fish consumption at two reservoirs in the basin
- DEQ staff selected four monitoring locations to become part of the Water Toxics Monitoring Program's trend network

Findings by Matrix:



Next Steps:

Results from this study will be used to inform the programs and projects below, which may include additional sampling

<p>Toxics Monitoring Network</p> <p>A continuation of this sampling on a yearly, statewide basis that aims to identify trends in chemical concentrations</p>	<p>Permitting and Regulatory Programs</p> <p>Data from this report will help inform and direct projects in the TMDL, NPDES, and stormwater programs</p>	<p>Toxics Reduction Strategy</p> <p>The strategy complements and supports ongoing efforts in DEQ's air, land and water quality programs by improving integration, sharing best practices and filling any identified gaps</p>	<p>Integrated Report 303(d) list</p> <p>A reporting of the status of Oregon's waters and a list of water bodies that do not meet water quality standards</p>
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