

Near the headwaters of Johnson Creek



Upper Johnson Creek



Water Quality Issues in Johnson Creek

Issue	Change needed
Fecal bacteria	78% decrease
Legacy pesticides	77% decrease urban 94% decrease other
Temperature	Willamette TMDL □ focus on smaller tributaries

Total Suspended Solids = Toxics

	Main stem		Tributaries	
Condition	number	percent	number	percent
Poor	20	7%	9	6%
Fair	53	19%	29	18%
Good	205	74%	123	76%
Total	278		161	

Samples collected at 32 sites from 2009–2014.

Index	Quantity, ug/L
Good	<10
Fair	10 □ 43
Poor	>43

Condition at Maximum of Total Suspended Solids 2009-2014

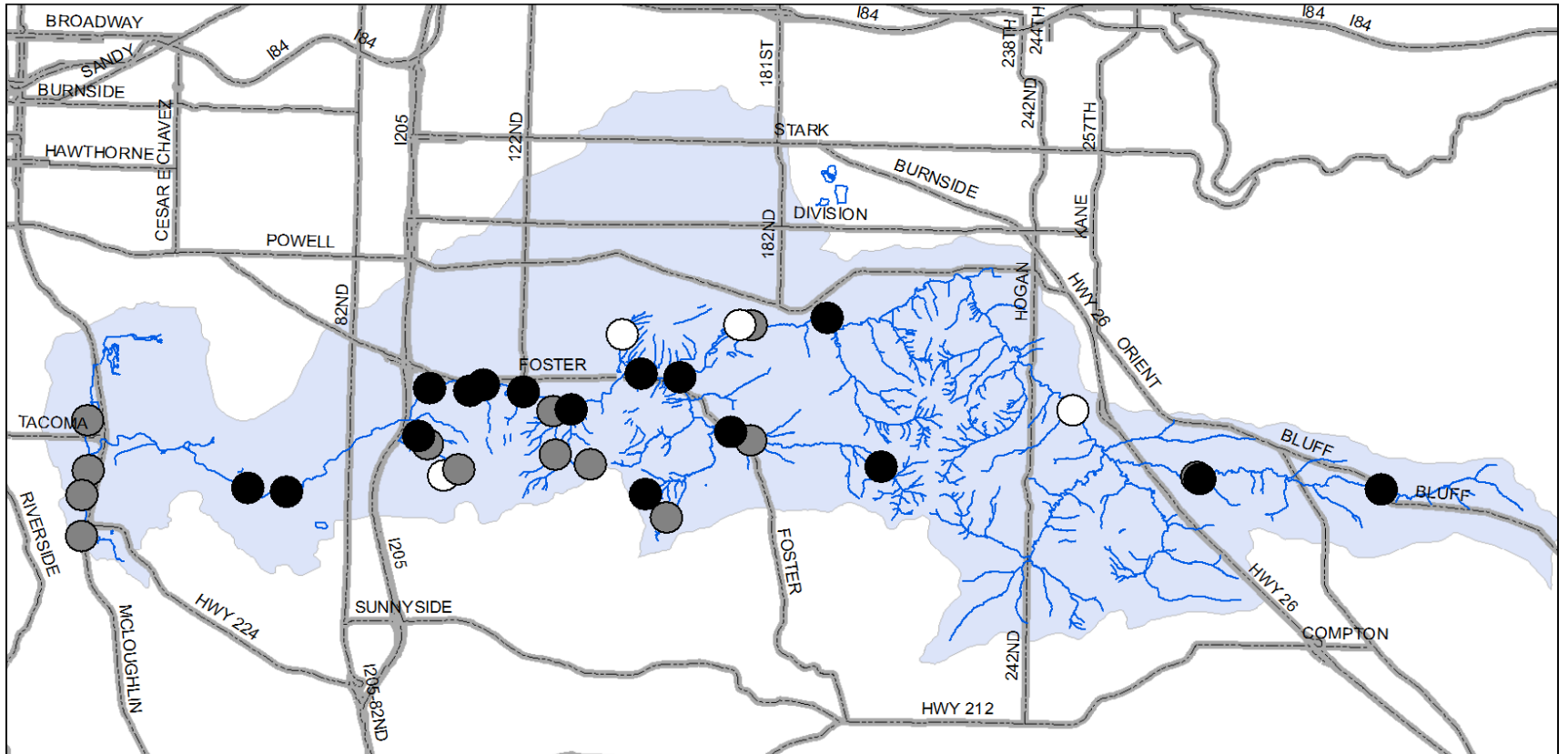
Condition

- Good
- Fair
- Poor

Streams

Major Arterial Roads

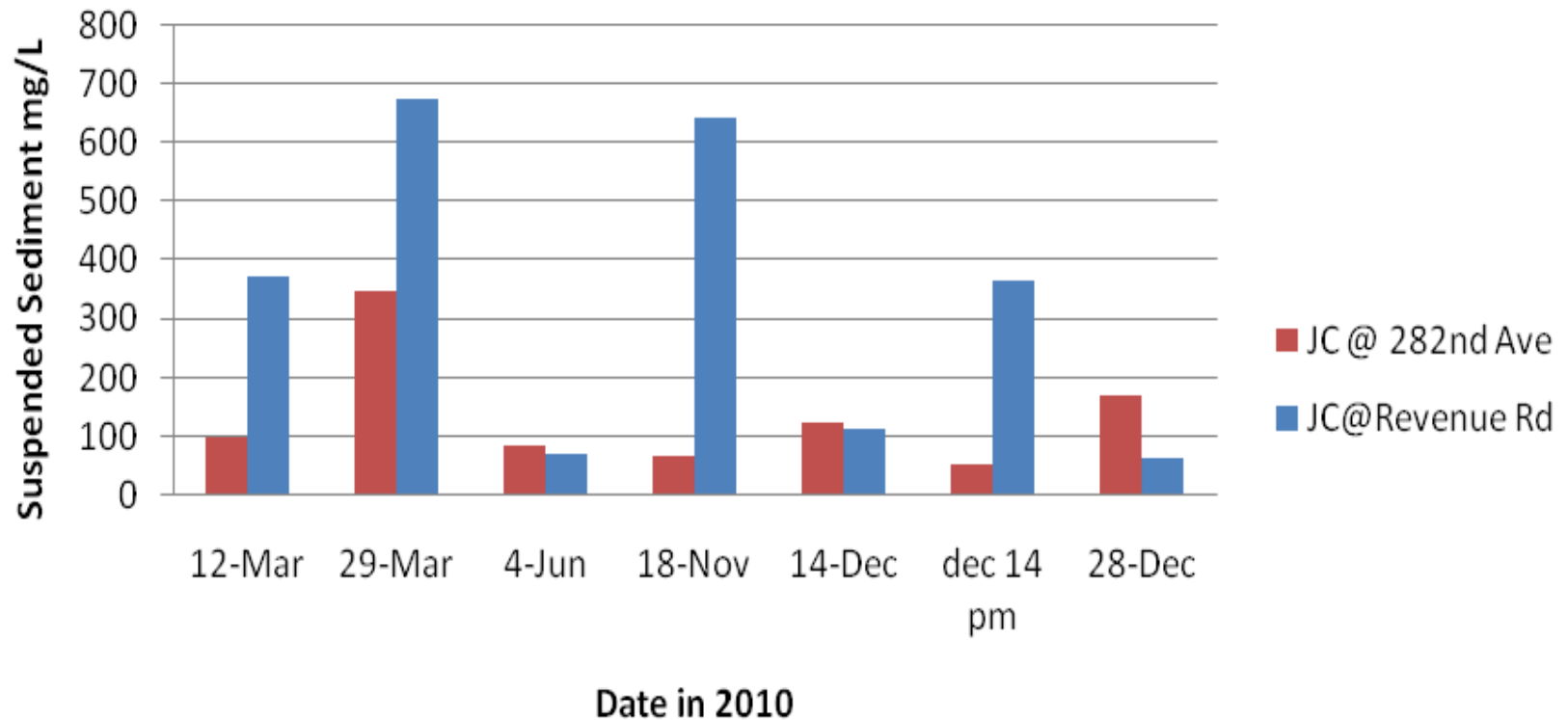
Johnson Creek Watershed



0 0.5 1 2 3 4 5 Miles

USGS data collected during high flow after storm events.

Suspended Sediment at High Flow



Condition at Mean E.coli Levels 2009-2014

Average Condition

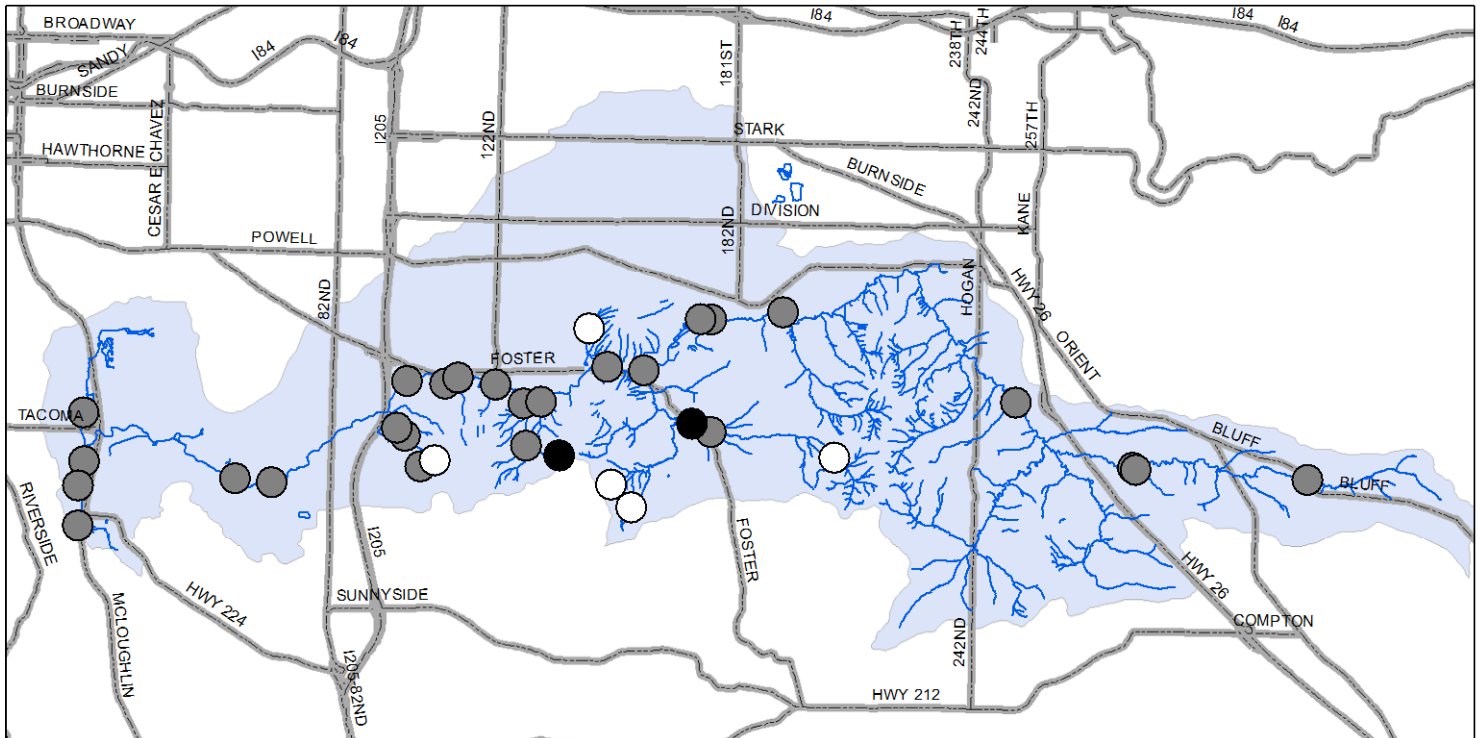
Condition

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— Streams

— Major Arterial Roads

Johnson Creek Watershed



0 0.5 1 2 3 4 5 Miles

Condition at Maximum E.coli Levels 2009-2014

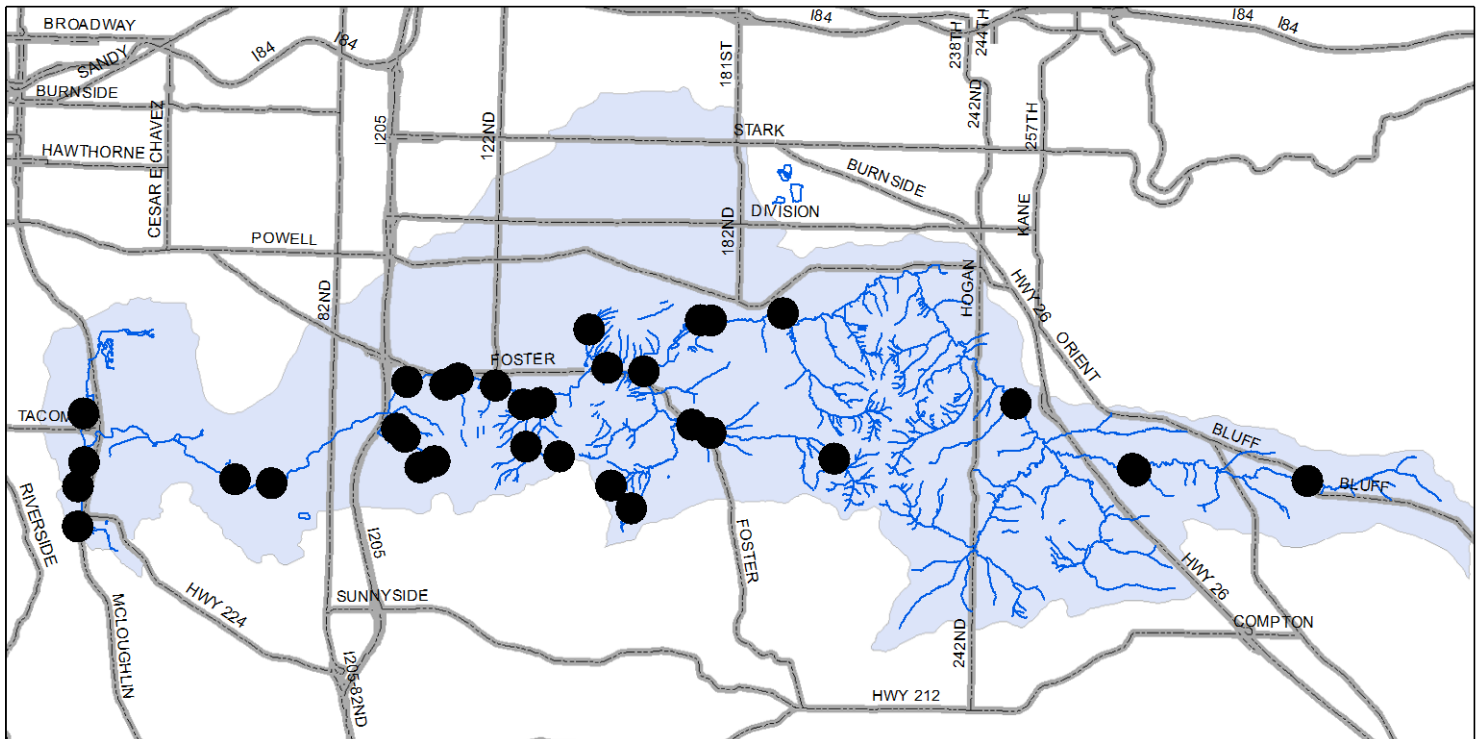
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Streams

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0 0.5 1 2 3 4 5 Miles

Other Issues

- ▶ PAHs (polynuclear aromatic hydrocarbons)
 - ▶ PCBs (polychlorinated biphenyls)
 - ▶ Biological Criteria
 - ▶ Dissolved oxygen
 - ▶ pH
- 