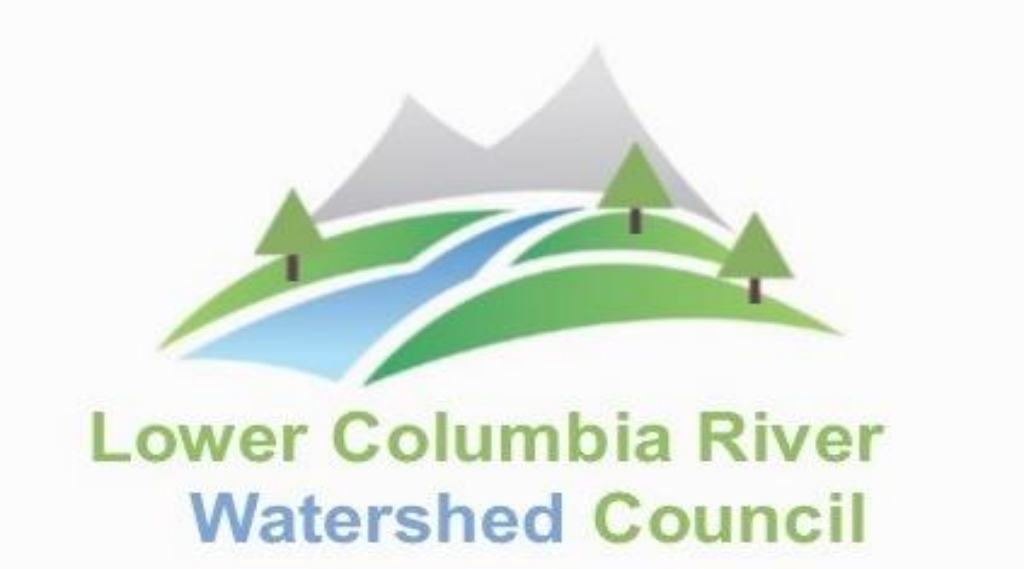
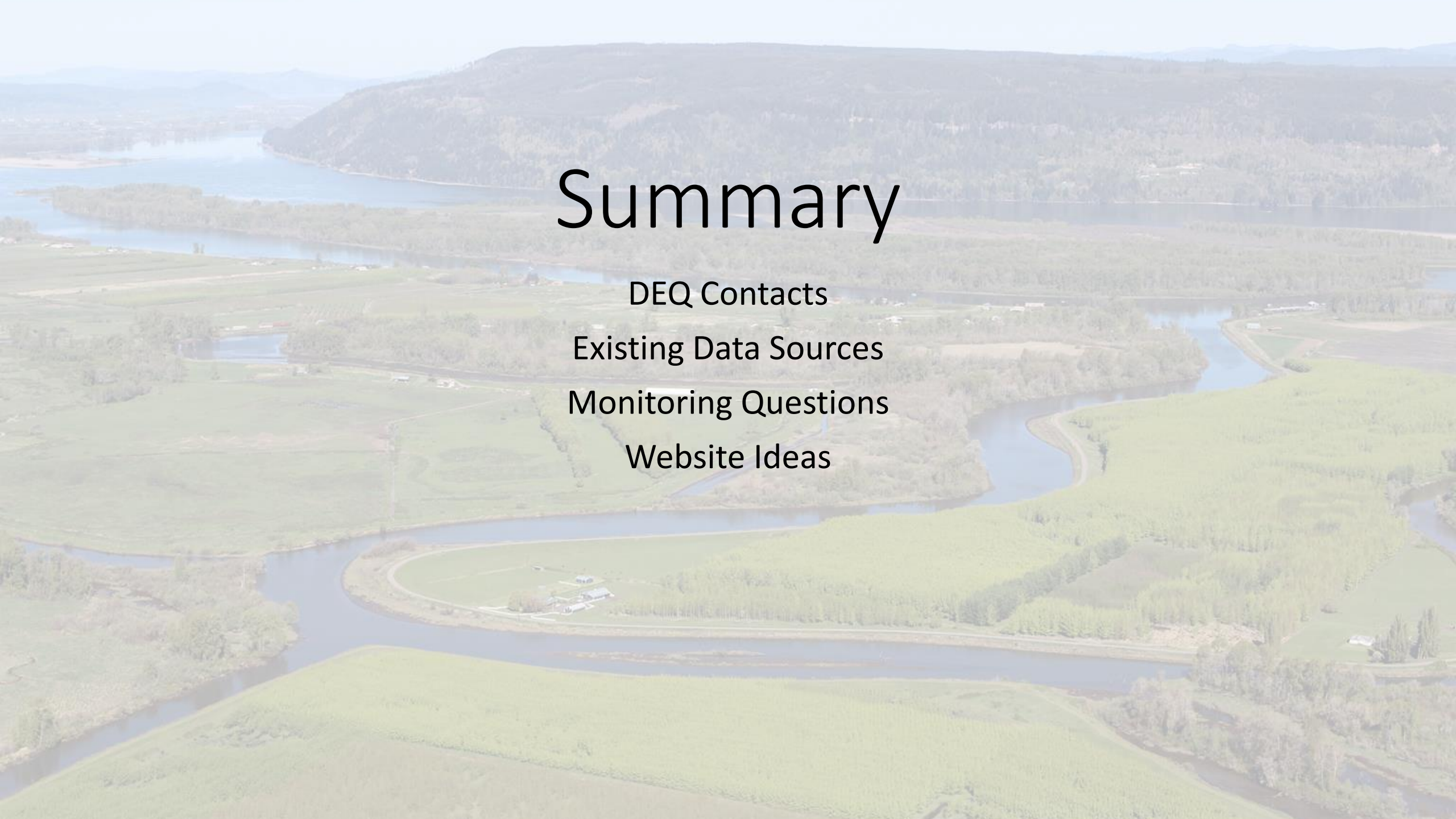
Data Mining Findings





Summary

DEQ Contacts

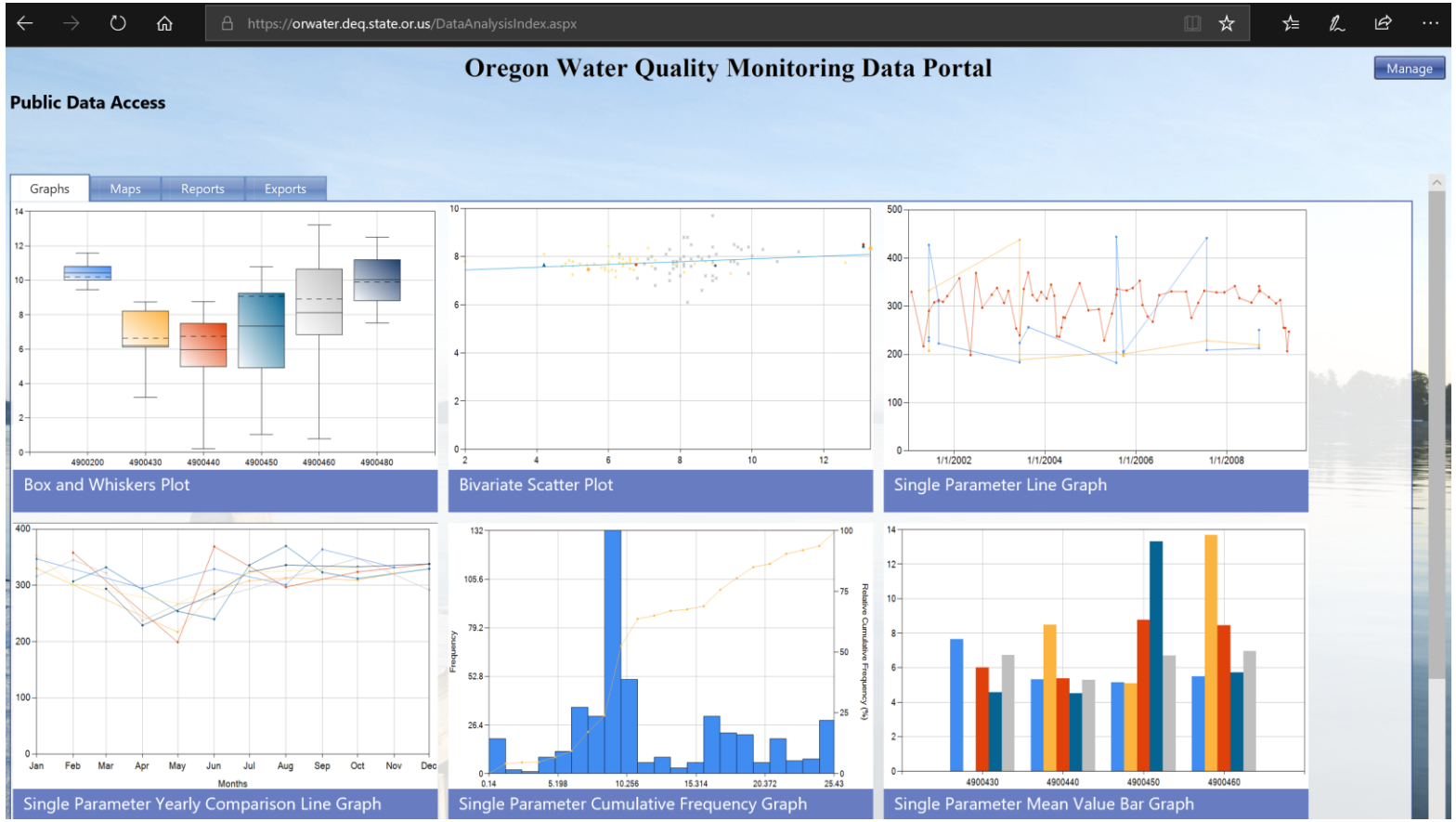
Existing Data Sources

Monitoring Questions

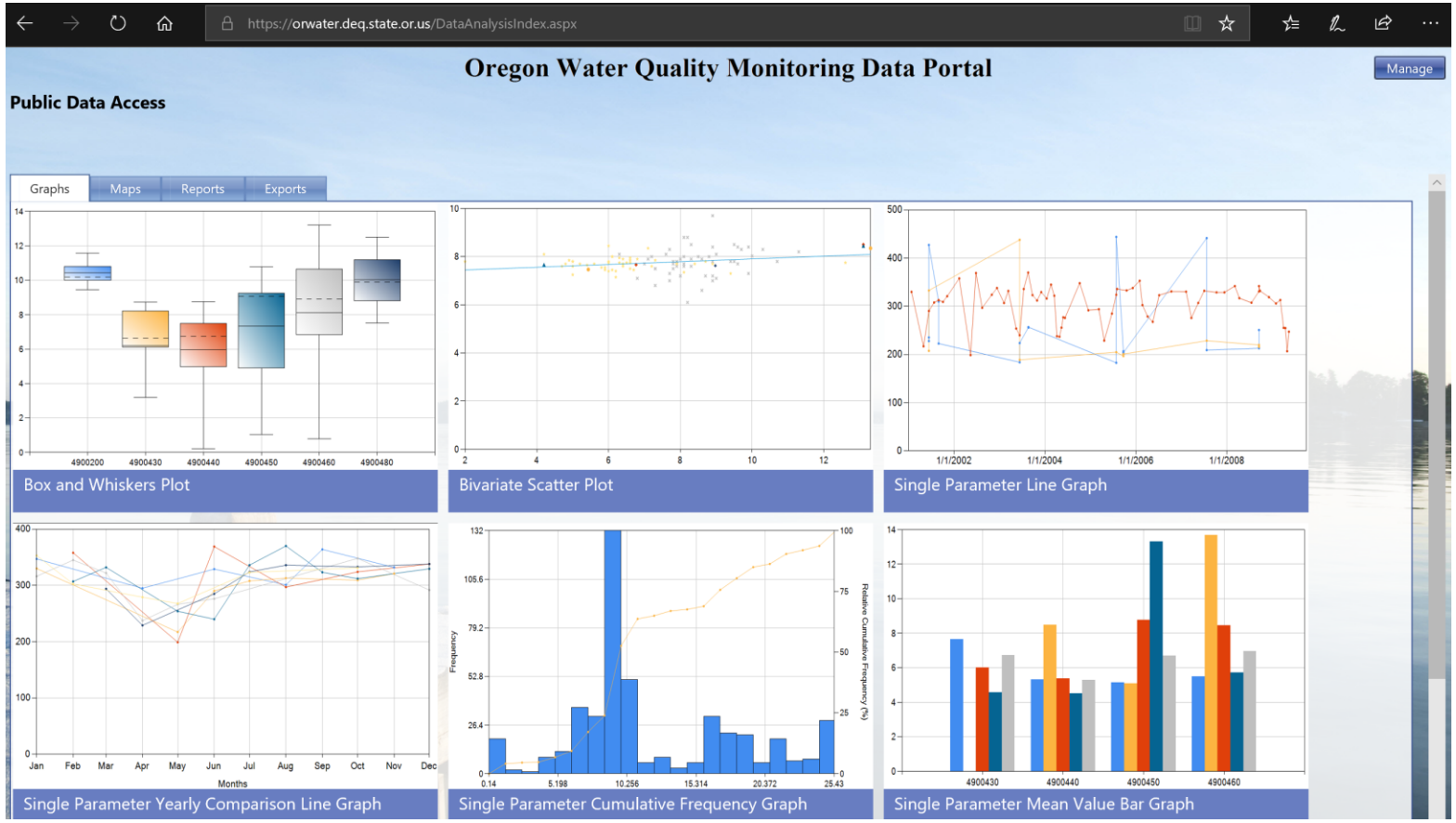
Website Ideas

DEQ Contacts

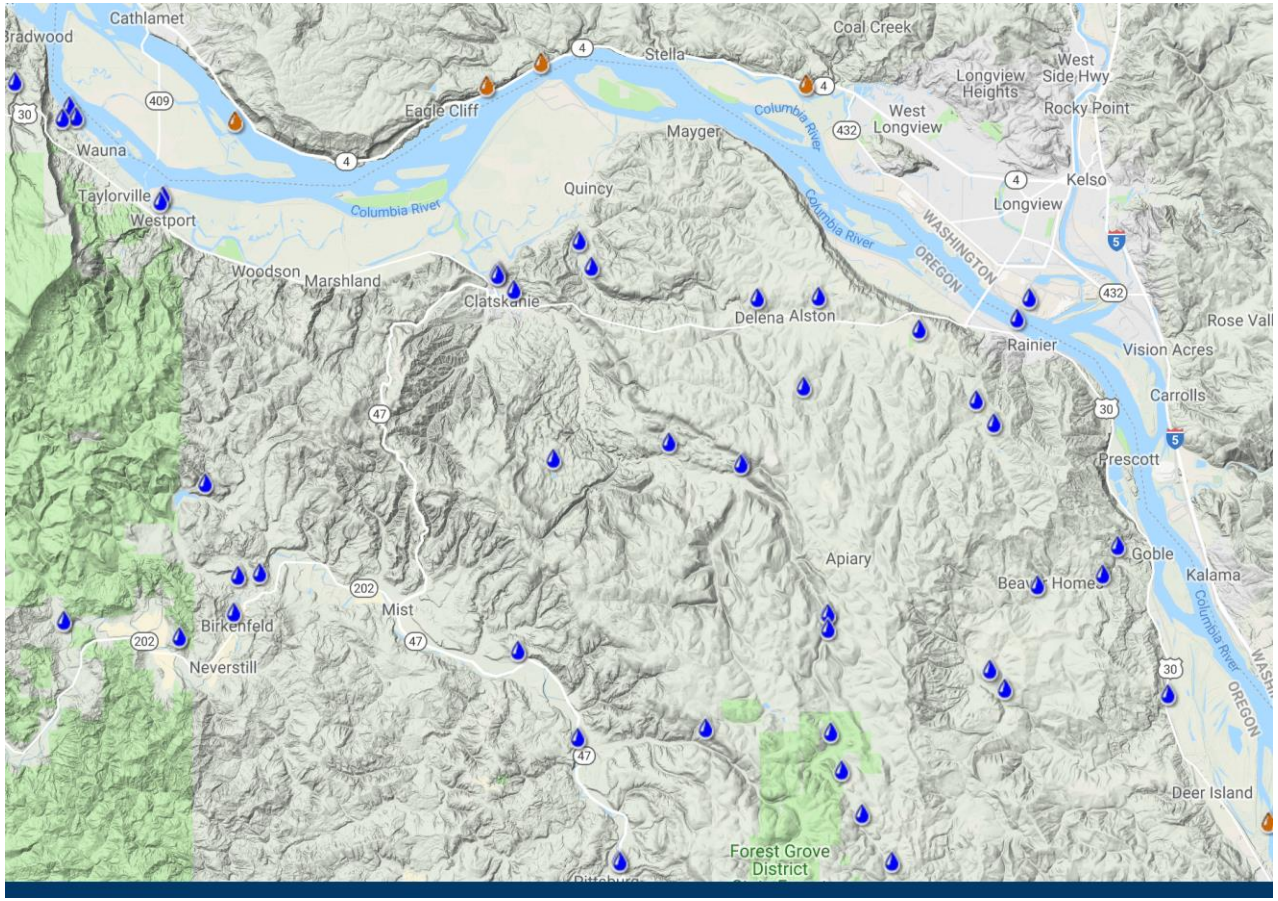
Data Sources: DEQ Data Portal



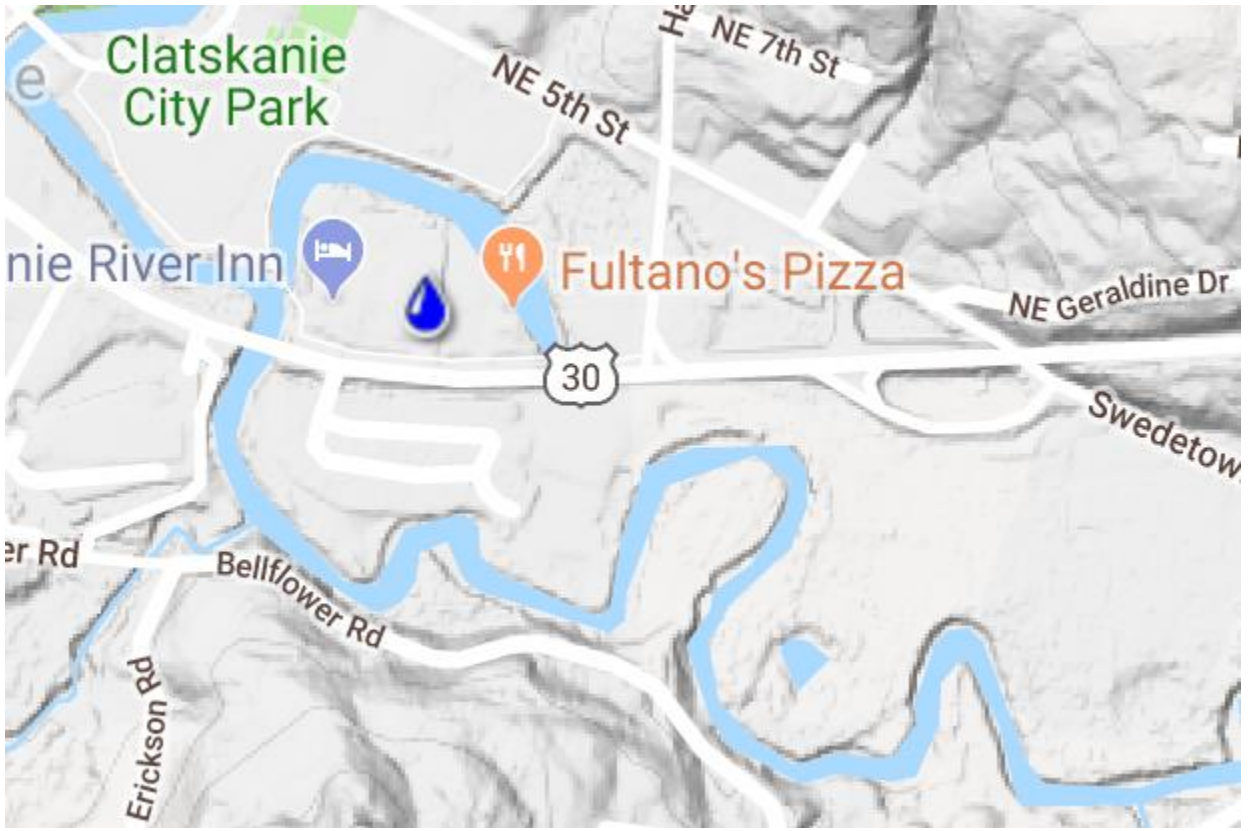
Data Parameters: DEQ Data Portal



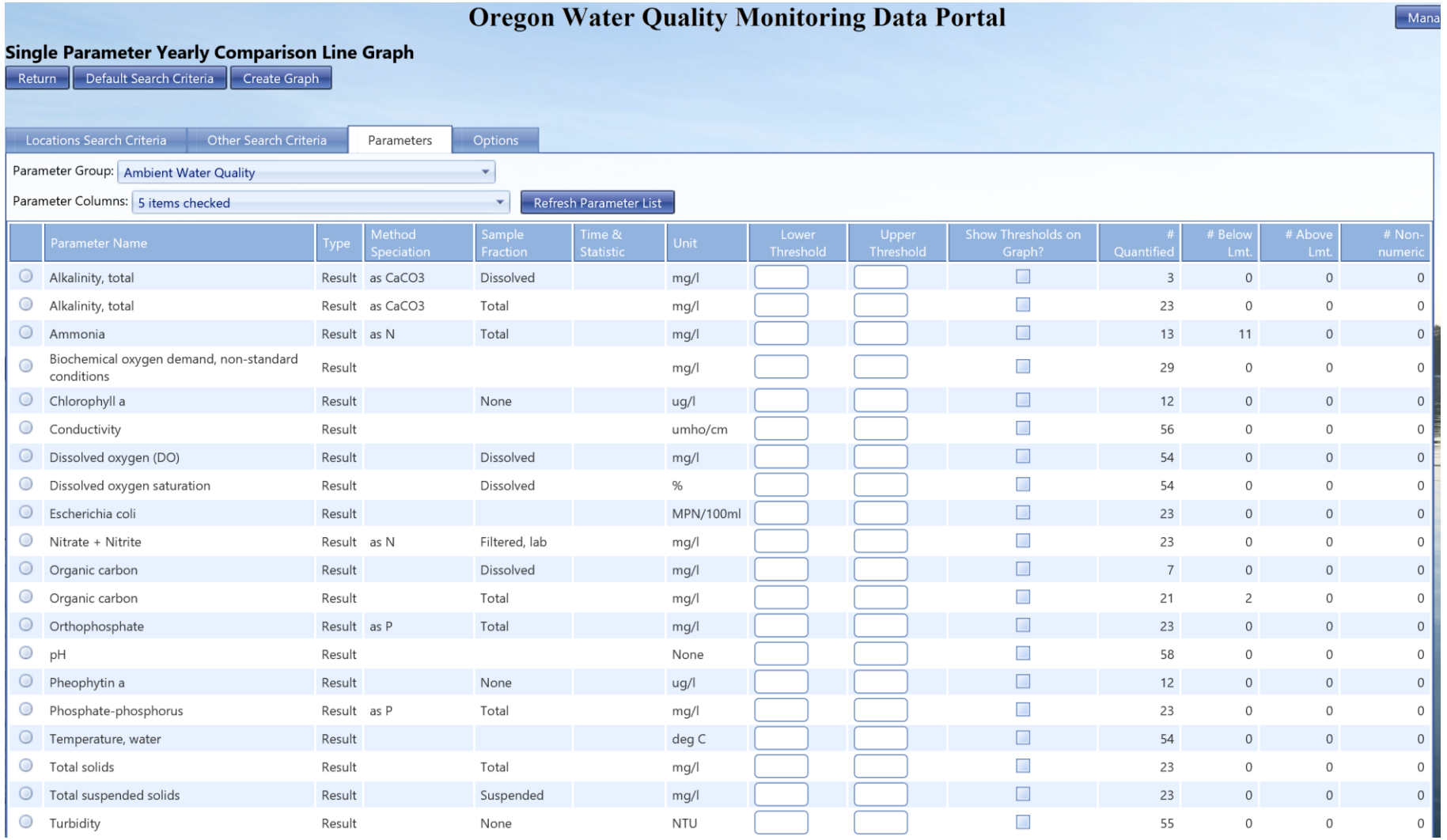
Monitoring Sites, Lower Columbia WC region



Monitoring Sites, Clatskanie River
(DEQ #11434)



What parameters?



Oregon Water Quality Monitoring Data Portal

Mana

Single Parameter Yearly Comparison Line Graph

Return | Default Search Criteria | Create Graph

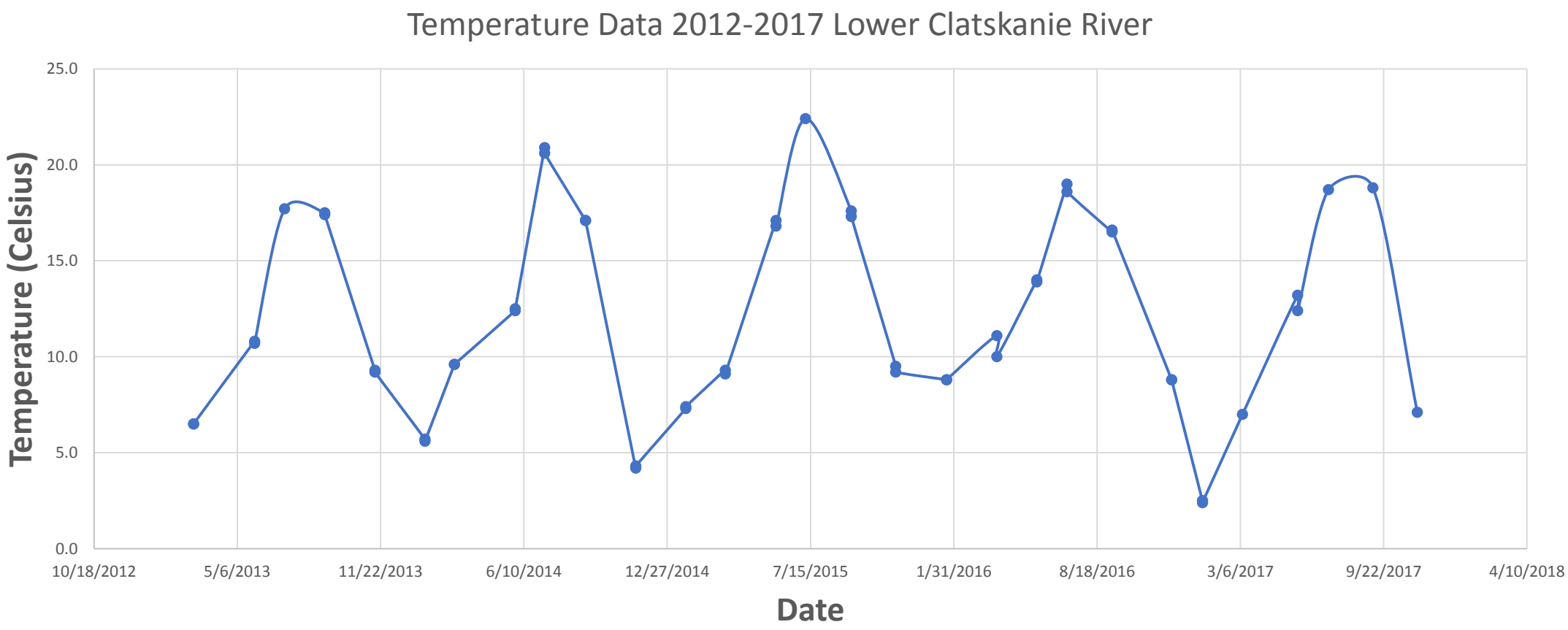
Locations Search Criteria | Other Search Criteria | Parameters | Options

Parameter Group: Ambient Water Quality

Parameter Columns: 5 items checked | Refresh Parameter List

	Parameter Name	Type	Method Speciation	Sample Fraction	Time & Statistic	Unit	Lower Threshold	Upper Threshold	Show Thresholds on Graph?	# Quantified	# Below Lmt.	# Above Lmt.	# Non-numeric
○	Alkalinity, total	Result	as CaCO3	Dissolved		mg/l			☐	3	0	0	0
○	Alkalinity, total	Result	as CaCO3	Total		mg/l			☐	23	0	0	0
○	Ammonia	Result	as N	Total		mg/l			☐	13	11	0	0
○	Biochemical oxygen demand, non-standard conditions	Result				mg/l			☐	29	0	0	0
○	Chlorophyll a	Result		None		ug/l			☐	12	0	0	0
○	Conductivity	Result				umho/cm			☐	56	0	0	0
○	Dissolved oxygen (DO)	Result		Dissolved		mg/l			☐	54	0	0	0
○	Dissolved oxygen saturation	Result		Dissolved		%			☐	54	0	0	0
○	Escherichia coli	Result				MPN/100ml			☐	23	0	0	0
○	Nitrate + Nitrite	Result	as N	Filtered, lab		mg/l			☐	23	0	0	0
○	Organic carbon	Result		Dissolved		mg/l			☐	7	0	0	0
○	Organic carbon	Result		Total		mg/l			☐	21	2	0	0
○	Orthophosphate	Result	as P	Total		mg/l			☐	23	0	0	0
○	pH	Result				None			☐	58	0	0	0
○	Pheophytin a	Result		None		ug/l			☐	12	0	0	0
○	Phosphate-phosphorus	Result	as P	Total		mg/l			☐	23	0	0	0
○	Temperature, water	Result				deg C			☐	54	0	0	0
○	Total solids	Result		Total		mg/l			☐	23	0	0	0
○	Total suspended solids	Result		Suspended		mg/l			☐	23	0	0	0
○	Turbidity	Result		None		NTU			☐	55	0	0	0

What parameters-Temperature



So what? How can we make it relevant to LCRWC needs?

Strawdog Monitoring Questions:

- At what time during the year is temperature in the Clatskanie River a limiting factor for migrating juvenile salmonid life histories?
- Other parameters important to watershed health?
- Develop a monitoring question that may be addressed with existing datasets.
- Others??

Other sources of monitoring data

- SWCD WQ Monitoring Report and next steps?
- https://orwater.deq.state.or.us/DataAnalysisIndex.aspx
- https://nwis.waterdata.usgs.gov/nwis