

Water Quality Testing Results and Comparison

August 2016

The table below shows water quality testing results of the two most viable sites for riverbed collector wells on the Cowlitz River (Riverside Park and Rocky Point) compared to water quality of the Cowlitz River, the Kelso riverbed collector well, and the current drinking water from Mint Farm Treatment Plant.

Analyte*	Standard	Riverside Park	Rocky Point	Cowlitz River	Kelso Ranney	Mint Farm
Aluminum	0.200 (SMCL)	0.044	0.120	0.300	-	0.006
Arsenic	0.010 (MCL)	ND	0.007	ND	ND	0.006
Hardness	N/A	81.4	125.0	24.0	-	98.0
Iron	0.30 (SMCL)	11.10	28.80	0.43	3.70	1.10
Manganese	0.050 (SMCL)	0.291	1.030	0.051	2.500	0.500
Silica	N/A	58.0	68.1	18.0	19.5	58.0

* Levels reported in mg/L

Key

MCL = Maximum Contaminant Level, maximum level allowed by state and federal drinking water standards

SMCL = Secondary Maximum Contaminant Level, non-mandatory drinking water standard for aesthetic contaminants which are a nuisance but not a health risk

ND = Non-detect

N/A = Not applicable