

Monthly Drinking Water Quality Dashboard



Water Quality Operations

Capital Regional District | October 2025

1. Treated Water | Monthly Compliance

The following table summarizes the main regulatory parameters across the various transmission and distribution systems in the Greater Victoria Drinking Water System (GVDWS). Drinking water systems in British Columbia are required to comply with the BC Drinking Water Protection Regulation and are expected to operate in accordance with recognized industry standards.

Monthly Water Quality Compliance Results by Municipality								
Municipality	Required Samples	Actual Samples Collected	Percent Total Coliform Samples >1 CFU/100 ml	Total Coliform Samples >10 CFU/100 ml	E.coli Samples >1 CFU/100 mL	Turbidity Samples >1 NTU	Chlorine Residual Median mg/L	Water Temp. Median °C
Central Saanich	17	27	0	0	0	0	1.61	15.2
Saanich	94	105	1	1	1	0	1.48	15.2
North Saanich	13	21	0	0	0	0	1.51	15.4
Victoria / Esquimalt	93	101	1	0	1	0	1.62	15.9
Oak Bay	20	26	0	0	0	0	1.59	16.0
Sidney	14	18	0	0	0	0	1.55	16.2
Sooke/East Sooke	17	40	0	0	0	1	1.08	14.5
Westshore/ View Royal	82	101	0	0	0	0	1.46	15.6
Transmission Mains	n/a	78	0	0	0	0	1.79	14.6
Transmission Reservoirs	n/a	28	0	0	0	0	1.55	15.2
Total	350	545	2	1	2	1	1.55	15.3

GREEN – Compliance with industry and/or health standards

YELLOW – Exceedance of operational and/or aesthetic objectives

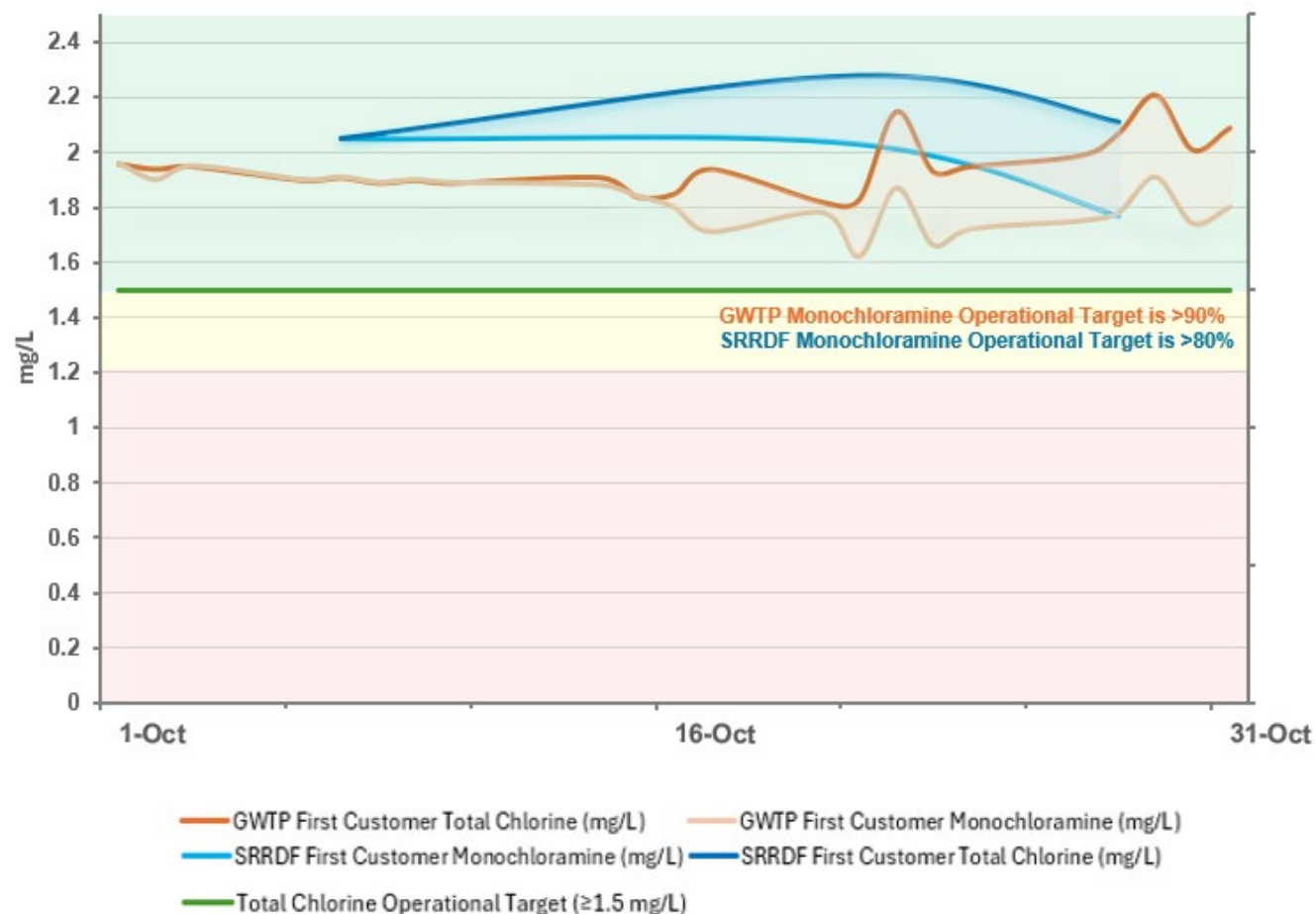
RED – Exceedance of industry and/or health standards

In October of 2025, all GVDWS systems were in compliance with provincial requirements and industry standards except for Saanich and Victoria with one sample each that contained total coliform concentrations > 10 CFU/100mL and Ecoli. Immediate emergency response measures by municipal and CRD staff, supported by comprehensive resampling, effectively ruled out any drinking water contamination. Most of the GVDWS was still in exceedance of the aesthetic objective for water temperature (< 15°C). Elevated water temperatures can promote biological regrowth within the distribution system, requiring increased operational effort to maintain drinking water quality.

October 2025

2. Treated Water | First Customer Goldstream Water Treatment Plant (GWTP) and First Customer Sooke River Road Disinfection Facility (SRRDF), Total Chlorine and Monochloramine

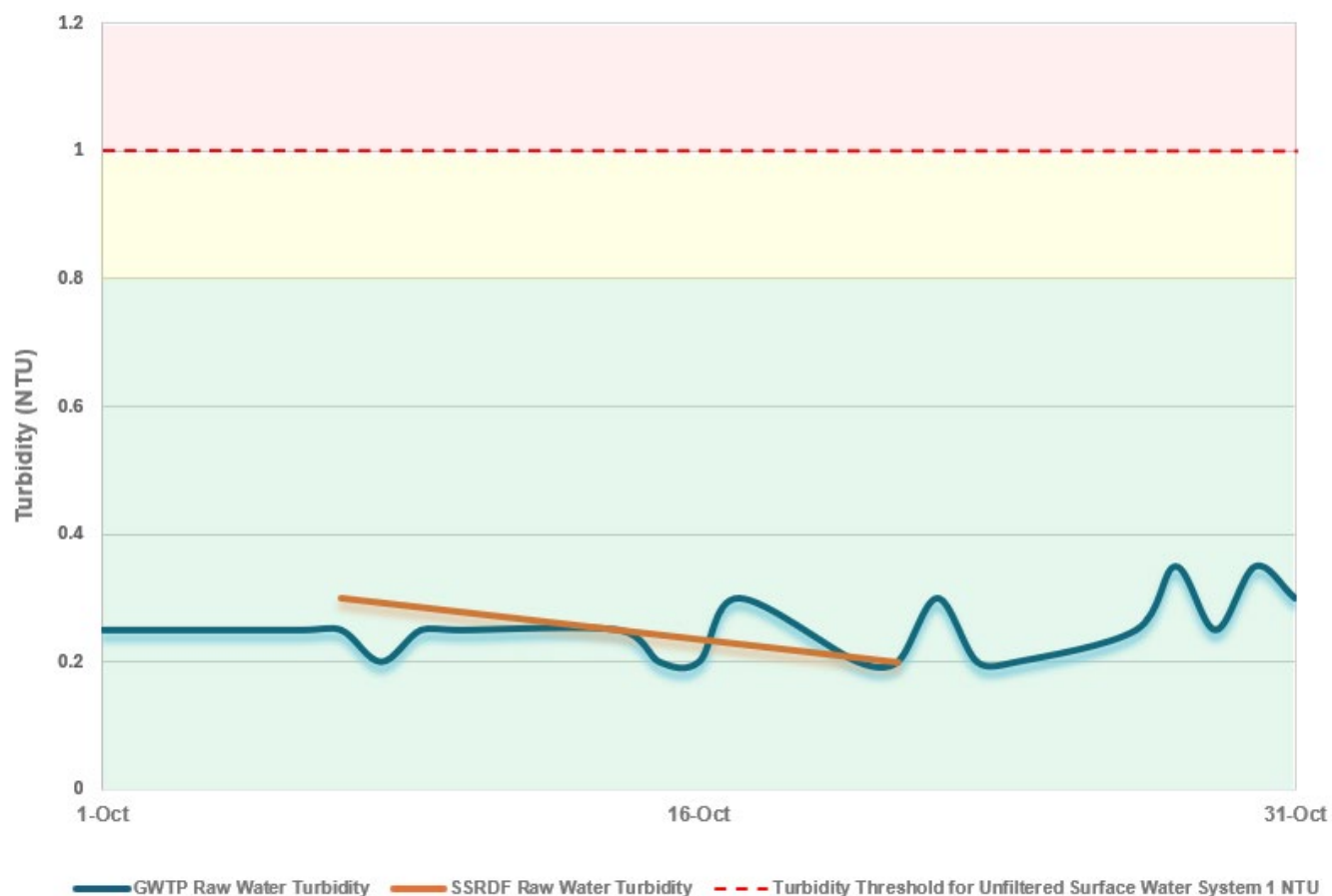
The following graph shows the daily measured total chlorine and monochloramine concentrations at the first treated water sampling stations downstream of the two CRD water treatment plants.



In October of 2025, the target concentration for total chlorine of 1.5 mg/L was consistently achieved at both plants. The SRRDF consistently met its 80% monochloramine target, whereas the GWTP fell slightly short of its 90% target on a regular basis after mid-October. Reaching these targets ensures adequate secondary disinfection throughout the distribution systems.

3. Raw Water Turbidity | Goldstream Water Treatment Plant and Sooke River Road Disinfection Facility

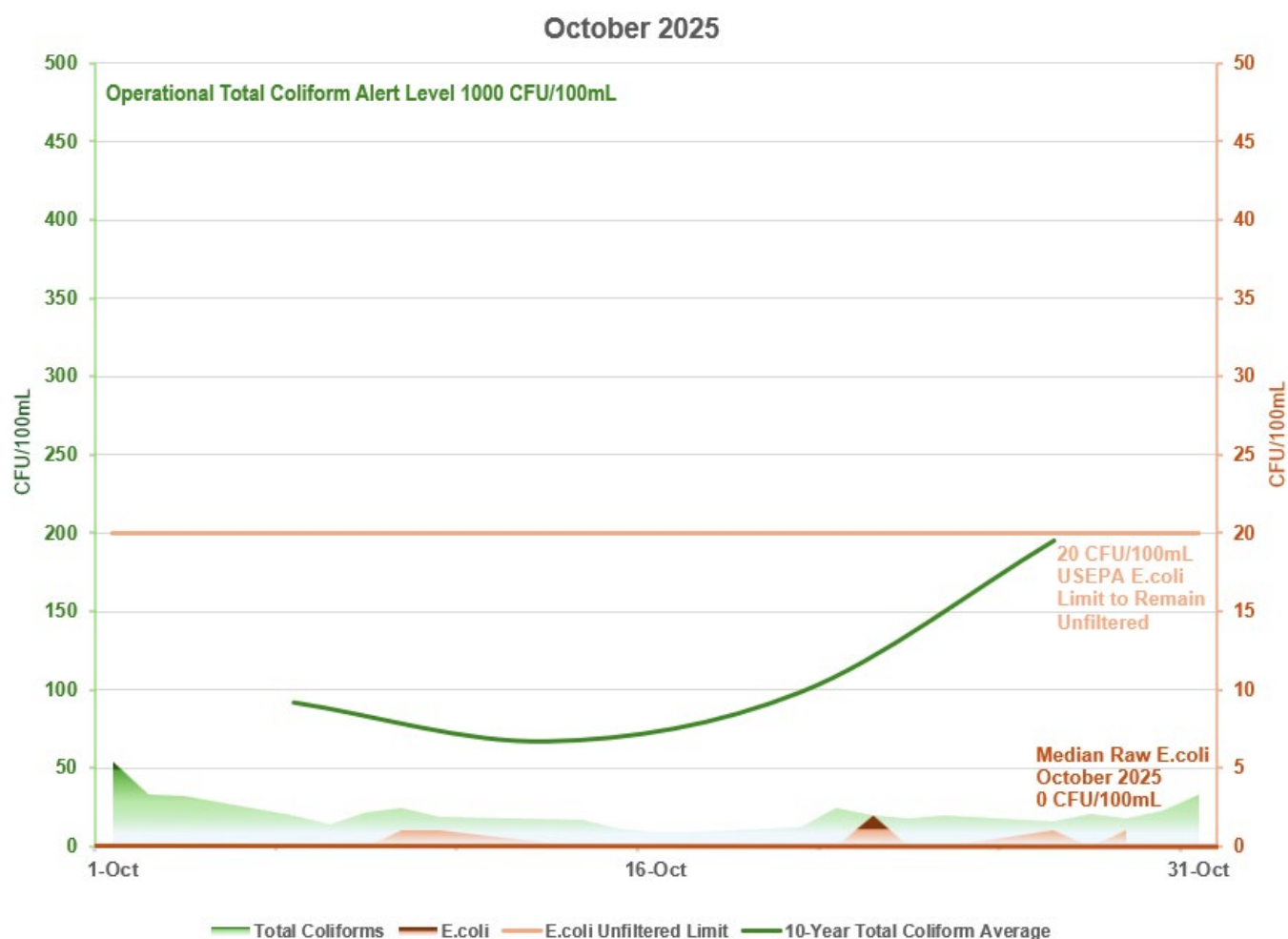
The following graph shows the raw water turbidity measured at both water treatment plants.



The GVDWS, an unfiltered surface water system, must consistently achieve turbidity levels under 1 NTU to meet regulatory standards. While the water turbidity at the GWTP exhibited slightly higher values during peak demand periods, the maximum turbidity levels remained well below the critical threshold of 1 NTU. The turbidity levels at SSRDF (less sampled) were less susceptible to fluctuations and were consistently very low. Overall, the turbidity levels in October 2025 were well within compliance.

4. Raw Water Biological Parameters | Total Coliforms and E.coli at Goldstream Water Treatment Plant

The following depicts the concentrations of key bacteria in the raw water.



Throughout October, total coliform bacteria levels were lower than the long-term average for the fall season. In October, E. coli levels were mostly below detection limits, with only sporadic low-level detections associated with runoff, reflecting the reservoir's consistently low concentrations throughout the year.