

# Monthly Drinking Water Quality Dashboard

## Water Quality Operations



Capital Regional District | December 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	22	0	0	0	2	1.60	10.2
Saanich	94	96	0	0	0	0	1.54	10.1
North Saanich	13	18	0	0	0	0	1.36	10.5
Victoria / Esquimalt	93	96	0	0	0	0	1.62	10.1
Oak Bay	20	22	0	0	0	0	1.62	10.4
Sidney	14	16	0	0	0	0	1.52	10.3
Sooke/East Sooke	17	26	0	0	0	0	0.82	9.6
Westshore/ View Royal	82	85	0	0	0	0	1.49	9.9
Transmission Mains	n/a	65	0	0	0	0	1.81	10.3
Transmission Reservoirs	n/a	18	0	0	0	0	1.63	9.3
<b>Total</b>	<b>350</b>	<b>464</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1.57</b>	<b>10.2</b>

**GREEN** – Compliance with industry and/or health standards

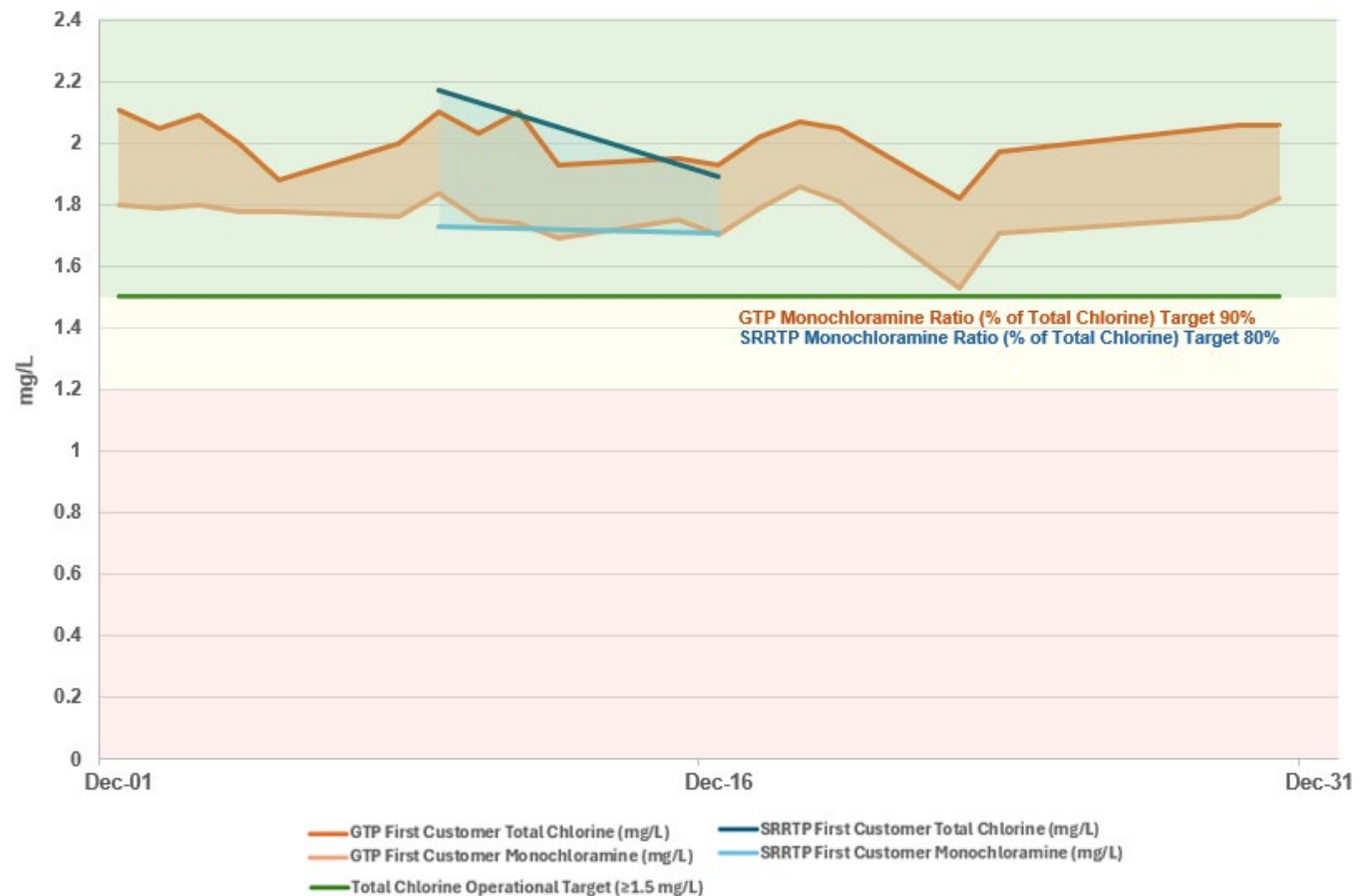
**YELLOW** – Exceedance of operational and/or aesthetic objectives

**RED** – Exceedance of industry and/or health standards

In December 2025, all GVDWS systems met provincial requirements and industry standards with overall excellent drinking water quality throughout. Two minor exceedances of the operational turbidity target in the Central Saanich distribution system occurred due to sediment accumulation at a system dead-end pipe section. This was reported to the municipality and subsequently addressed by their staff through spot-flushing.

## 2. Treated Water | First Customer Goldstream Treatment Plant (GTP) and First Customer Sooke River Road Treatment Plant (SR RTP), Total Chlorine and Monochloramine

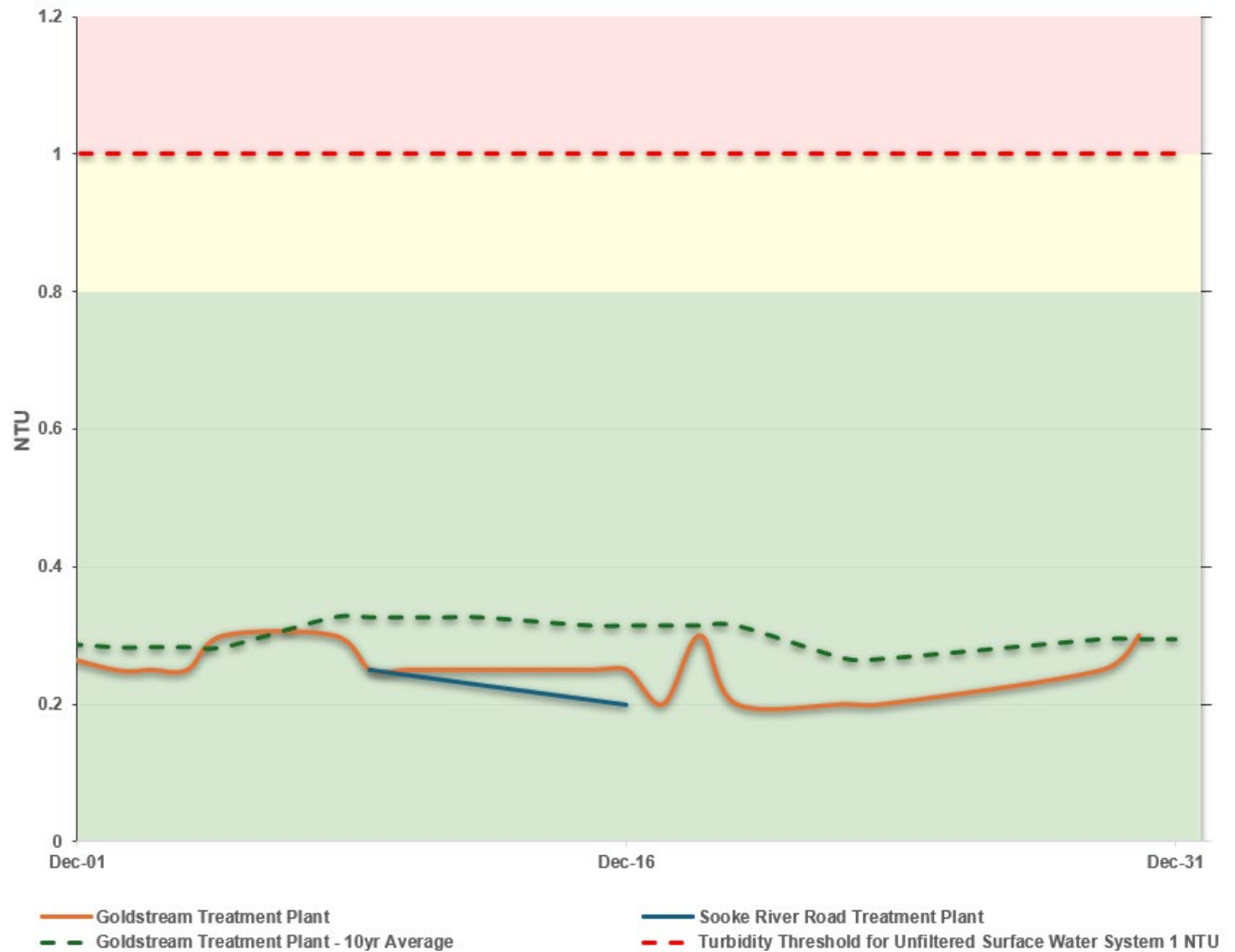
The following graph shows the daily measured total chlorine and monochloramine concentrations at the first treated water sampling stations downstream of the two CRD water treatment plants.



In December 2025, both plants met the target total chlorine concentration of 1.5 mg/L. However, each facility fell slightly short of its monochloramine target (SR RTP 80%, GTP 90%), which affected the chemical stability and longevity of the chloramines providing the secondary disinfection in the distribution systems. As a result, some remote areas of the system experienced lower chlorine residuals. Staff are working to improve this.

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

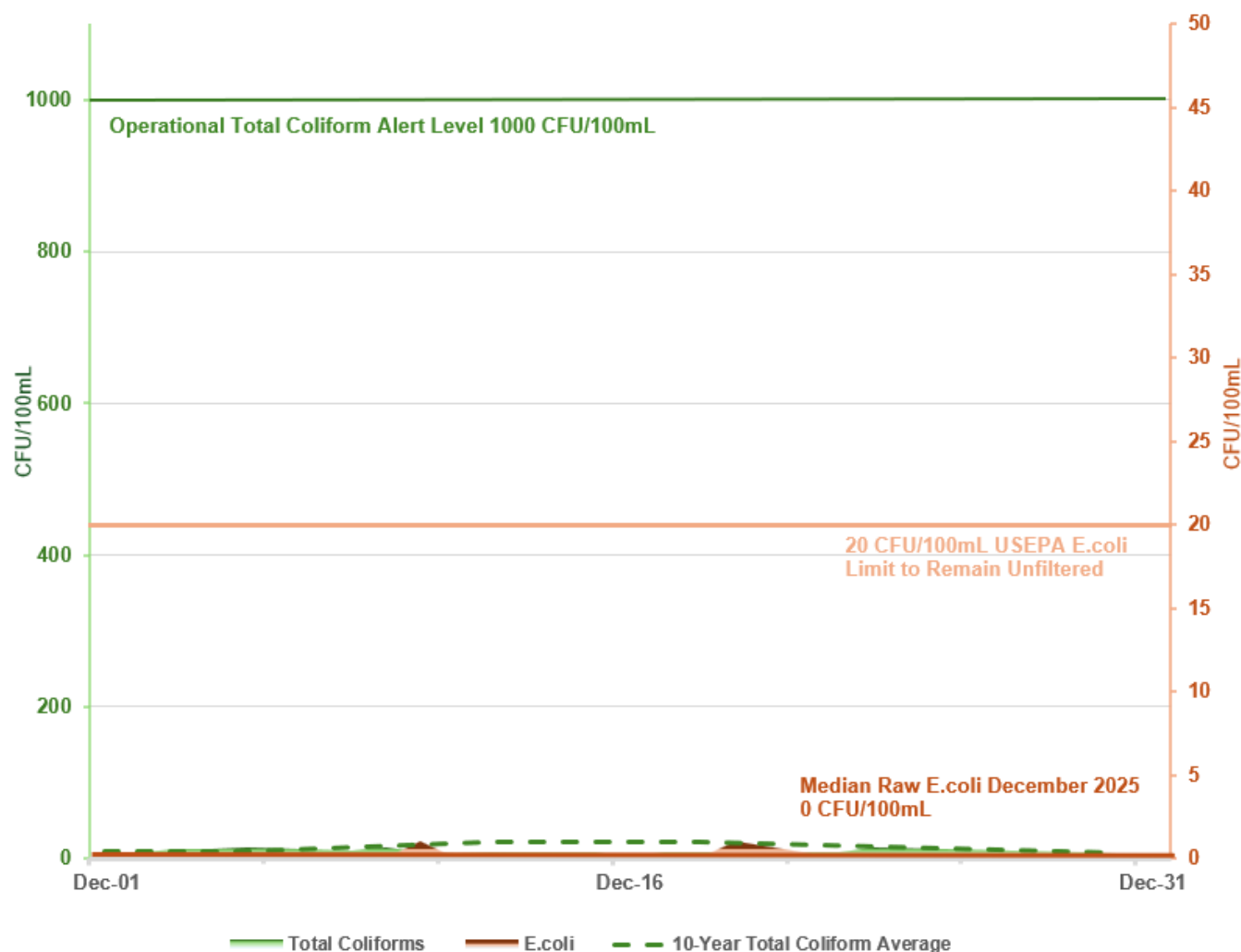
The following graph shows the raw water turbidity measured at both water treatment plants.



The GVDWS, an unfiltered surface water system, must consistently achieve turbidity levels under 1 NTU to meet regulatory standards. Despite heavy rainfall and rapid reservoir recharge, the turbidity levels in December 2025 at both plants were consistently low and well within compliance.

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

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



Reflecting typical seasonal patterns, the total coliform and E. coli concentrations were higher in December than in previous months in response to rain-driven reservoir inflow and rapid reservoir recharge. However, the concentrations remained consistent with or below the long-term average, and well below the USEPA limit for unfiltered surface water systems.