

CITY OF WEST KELOWNA

Monthly Water Quality Report



Powers Creek Water Service Area

January 2025

WATER SUPPLY AND TREATMENT





Powers Creek Water Treatment Plant

Water Quality Summary

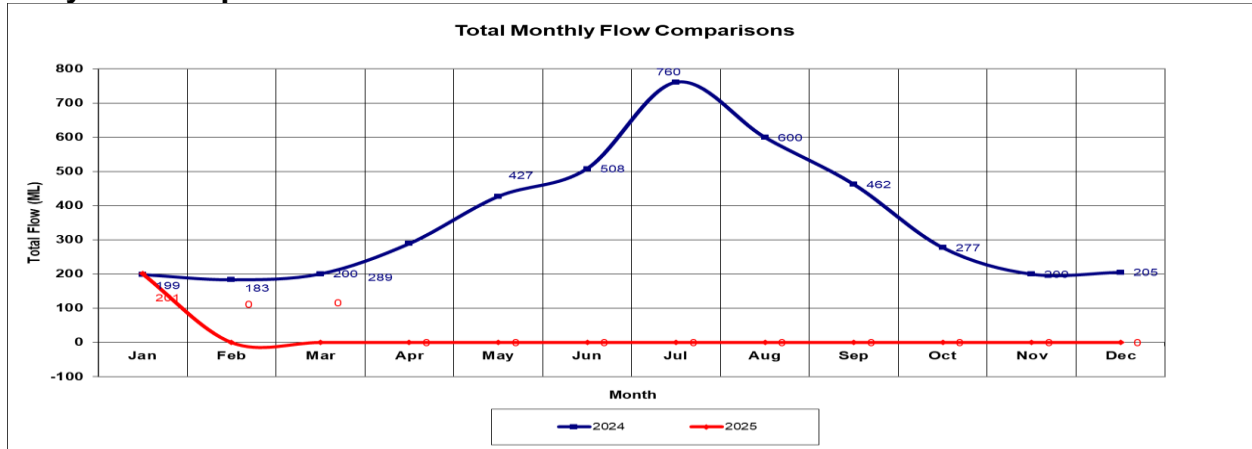
January 2025

Flow Demand

Total Flow
 High Day, Jan 4th, 2025
 Low Day, Jan 21st, 2025

200,832 M³
 6,851 M³
 6,112 M³

Daily Consumption



Date	Raw Water	Filtered Water	Treated & Disinfected Water				
	Intake Total	Backwash Flow	Flow to	City Flow	Glenrosa Flow	Smith Creek	
January 1, 2025	7.0232	0.0000	7.5551	5.1883	1.5458	1.1657	0.0000
January 2, 2025	7.0805	0.3852	6.8906	5.0768	1.7374	1.0695	0.0000
January 3, 2025	7.5857	0.3387	7.5101	5.0032	1.4625	0.9487	0.0001
January 4, 2025	7.1148	0.0000	7.5823	5.1078	1.7431	1.0312	0.0000
January 5, 2025	7.0655	0.0000	7.4930	5.0769	1.6386	0.9798	0.0000
January 6, 2025	7.0423	0.3492	6.8735	5.0769	1.5873	1.0199	0.0000
January 7, 2025	7.2643	0.0000	7.6280	5.0067	1.5156	1.0393	0.0000
January 8, 2025	7.1231	0.3567	6.9818	5.1693	1.5623	1.1375	0.0000
January 9, 2025	7.4629	0.3538	7.3377	5.1188	1.6422	1.0340	0.0000
January 10, 2025	7.5592	0.3538	7.3128	4.9739	1.6162	1.0831	0.0000
January 11, 2025	7.3758	0.0000	7.3710	4.8293	1.6647	1.0085	0.0000
January 12, 2025	7.0859	0.0000	7.1159	4.8796	1.6371	1.0382	0.0000
January 13, 2025	7.2916	0.3555	6.9517	4.8246	1.5728	1.0662	0.0000
January 14, 2025	6.8272	0.0000	7.1497	4.7333	1.4991	0.9277	0.0000
January 15, 2025	6.3955	0.3678	6.2202	4.9604	1.6085	1.1597	0.0000
January 16, 2025	7.1788	0.4215	6.9555	4.9604	1.4571	1.2736	0.0001
January 17, 2025	8.6900	0.4112	8.5954	5.2202	1.6455	1.4228	0.0001
January 18, 2025	6.4942	0.0000	6.9029	4.7713	1.7199	0.9928	0.0000
January 19, 2025	6.9549	0.0000	7.3952	4.8979	1.6166	1.0891	0.0000
January 20, 2025	6.9231	0.3538	6.7933	4.7141	1.5075	1.0417	0.0000
January 21, 2025	6.7683	0.0000	7.0893	4.5058	1.6059	0.7766	0.0000
January 22, 2025	6.6680	0.1771	6.7294	4.7002	1.6182	1.0508	0.0000
January 23, 2025	6.8799	0.3795	6.6234	4.7131	1.6990	1.0719	0.0001
January 24, 2025	7.0560	0.3925	6.8188	4.6826	1.5471	1.0661	0.0000
January 25, 2025	6.9570	0.0000	7.3178	4.6991	1.5839	1.0661	0.0000
January 26, 2025	6.6607	0.0000	6.9398	4.7258	1.6434	1.0288	0.0000
January 27, 2025	6.9187	0.3788	6.6864	4.6925	1.6012	1.0288	0.0000
January 28, 2025	6.9615	0.0000	7.3932	4.7118	1.6729	0.6545	0.6687
January 29, 2025	6.8647	0.3781	6.6380	4.6341	1.7436	0.0000	1.6080
January 30, 2025	6.7959	0.0000	7.1572	4.6644	1.4595	0.7775	0.3830
January 31, 2025	6.9331	0.3750	6.6743	4.6245	1.7344	1.0021	0.0001
Daily Average (ML):	7.0646	0.1977	7.1188	4.8691	1.6093	1.0017	0.0858
Monthly Totals (ML):	219.0023	6.1283	220.6834	150.9434	49.8886	33.7127	
Backwash Water (% of Total):		2.80%					



Powers Creek Water Treatment Plant

Water Quality Summary

January 2025

Chlorine

Chlorine used: **373 kg.**

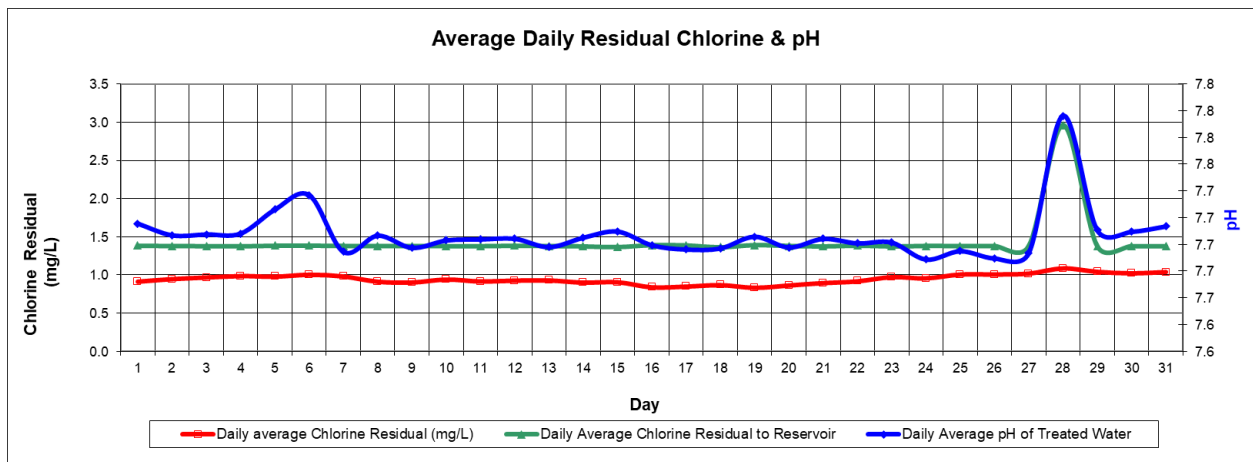
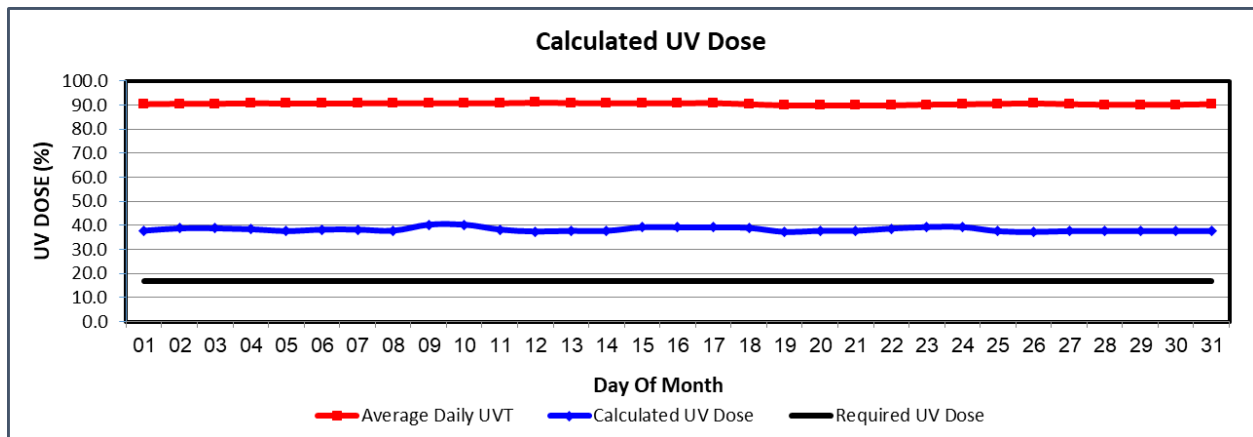
Average **12 kg/day**

Free Chlorine Residual Range Leaving Reservoir

Maximum: **1.09 ppm**

Minimum: **0.46 ppm**

Average: **0.95 ppm**



pH

High: **7.74**

Low: **7.69**

Average: **7.71**

Raw Water Turbidity

High: **3.47 NTU**

Low: **0.59 NTU**

Average: **0.83 NTU**



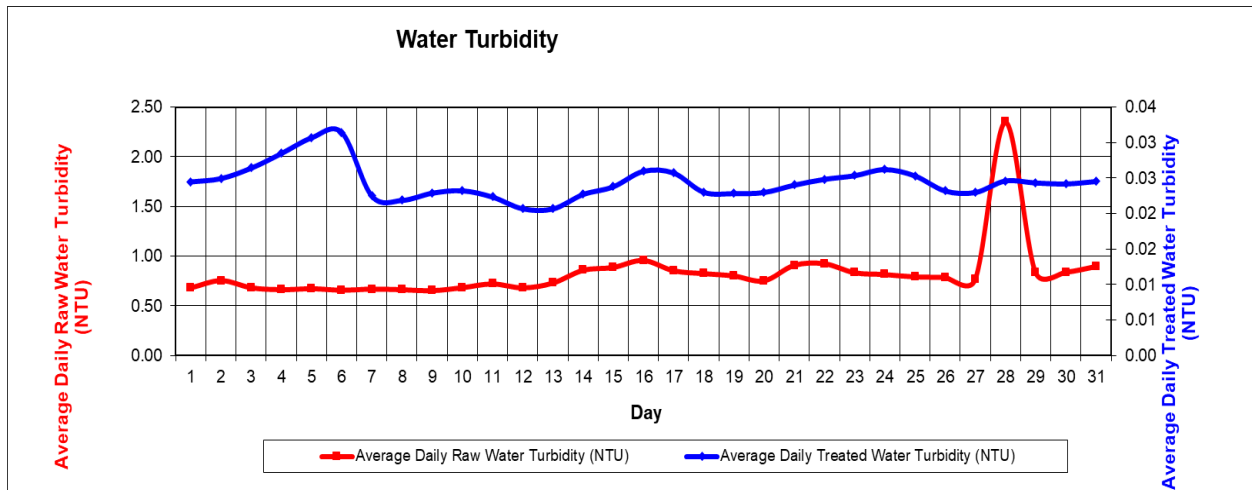
Powers Creek Water Treatment Plant

Water Quality Summary

January 2025

Water Parameters

Date	Daily Raw Water Turbidity (NTU)			Daily Treated Water Turbidity (NTU)			Cl2 Residual Into Reservoir (ppm)			Cl2 Residual Out of Reservoir (ppm)			pH
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Avg
January 1, 2025	0.65	1.37	0.68	0.02	0.02	0.02	0.78	3.02	1.38	0.88	0.99	0.92	7.72
January 2, 2025	0.65	1.39	0.76	0.02	0.03	0.02	0.20	3.84	1.38	0.88	1.04	0.95	7.71
January 3, 2025	0.63	1.27	0.68	0.03	0.03	0.03	0.12	3.60	1.38	0.91	1.02	0.97	7.71
January 4, 2025	0.61	1.29	0.66	0.03	0.03	0.03	0.78	2.90	1.38	0.95	1.02	0.99	7.71
January 5, 2025	0.62	1.28	0.67	0.03	0.04	0.03	0.82	2.96	1.38	0.92	1.03	0.98	7.73
January 6, 2025	0.60	1.30	0.66	0.02	0.06	0.03	0.09	3.05	1.38	0.84	1.05	1.00	7.74
January 7, 2025	0.60	2.46	0.67	0.02	0.02	0.02	0.82	3.34	1.38	0.96	1.05	0.98	7.69
January 8, 2025	0.59	1.26	0.66	0.02	0.02	0.02	0.29	4.60	1.38	0.88	0.97	0.91	7.71
January 9, 2025	0.60	1.42	0.65	0.02	0.02	0.02	0.03	4.33	1.38	0.88	0.95	0.90	7.70
January 10, 2025	0.60	3.20	0.68	0.02	0.02	0.02	0.22	3.33	1.38	0.91	0.99	0.94	7.70
January 11, 2025	0.64	2.41	0.72	0.02	0.02	0.02	0.79	2.66	1.38	0.89	0.98	0.92	7.70
January 12, 2025	0.62	3.09	0.68	0.02	0.02	0.02	0.79	2.75	1.38	0.91	0.97	0.93	7.70
January 13, 2025	0.60	1.74	0.73	0.02	0.02	0.02	0.29	3.87	1.38	0.91	0.97	0.93	7.70
January 14, 2025	0.79	2.99	0.86	0.02	0.02	0.02	0.45	2.74	1.38	0.87	0.94	0.90	7.71
January 15, 2025	0.70	3.15	0.89	0.02	0.03	0.02	0.10	5.03	1.37	0.86	0.95	0.91	7.71
January 16, 2025	0.84	3.47	0.96	0.02	0.03	0.03	0.16	5.35	1.39	0.82	0.89	0.84	7.70
January 17, 2025	0.72	2.45	0.85	0.02	0.03	0.03	0.04	5.30	1.39	0.50	0.89	0.85	7.70
January 18, 2025	0.73	2.22	0.83	0.02	0.02	0.02	0.77	2.99	1.36	0.86	0.91	0.87	7.70
January 19, 2025	0.76	1.45	0.80	0.02	0.02	0.02	0.78	2.71	1.39	0.82	0.88	0.84	7.71
January 20, 2025	0.67	2.99	0.75	0.02	0.02	0.02	0.35	3.19	1.38	0.80	0.96	0.87	7.70
January 21, 2025	0.68	1.42	0.91	0.02	0.02	0.02	0.73	2.95	1.37	0.46	0.95	0.90	7.70
January 22, 2025	0.76	1.54	0.93	0.02	0.04	0.02	0.50	3.08	1.39	0.86	1.05	0.92	7.70
January 23, 2025	0.78	3.00	0.83	0.02	0.03	0.03	0.14	5.87	1.37	0.93	1.02	0.97	7.70
January 24, 2025	0.72	1.06	0.82	0.03	0.03	0.03	0.38	3.23	1.38	0.92	1.02	0.96	7.69
January 25, 2025	0.71	1.45	0.79	0.02	0.03	0.03	0.70	2.63	1.38	0.98	1.05	1.01	7.69
January 26, 2025	0.73	2.43	0.79	0.02	0.02	0.02	0.80	2.74	1.38	0.97	1.05	1.01	7.69
January 27, 2025	0.71	1.48	0.77	0.02	0.02	0.02	0.01	3.04	1.38	0.98	1.09	1.02	7.69
January 28, 2025	0.77	2.35	2.35	0.02	0.02	0.02	0.69	2.96	2.96	1.00	1.09	1.09	7.80
January 29, 2025	0.77	2.35	0.84	0.02	0.02	0.02	0.69	2.96	1.38	1.00	1.09	1.04	7.71
January 30, 2025	0.78	2.45	0.84	0.02	0.03	0.02	0.45	4.75	1.38	0.98	1.09	1.02	7.71
January 31, 2025	0.80	2.49	0.90	0.02	0.03	0.02	0.70	2.95	1.38	1.02	1.08	1.04	7.71
Raw Water Average Monthly Turbidity				Treated Water Average Monthly Turbidity			Average Monthly Chlorine Residual into Reservoir			Average Monthly Chlorine Residual out of Reservoir			Avg Month pH
0.83				0.02			1.43			0.95			7.71





Powers Creek Water Treatment Plant

Water Quality Summary

January 2025

Finished Water Turbidity

High: **0.06 NTU**

Low: **0.02 NTU**

Average: **0.02 NTU**

Chemical Usage

Month	Totals	7210A Total (L)	PACI Total (L)	Chlorine (Kg)	7660A (L)	NaOH Total (L)
		51.55	6,147.47	373.00	341.26	3,579.11

Operational Highlights:

Demand for January was 200,832 **M³** compared to January 2024 demand of 198,576 **M³**

- **Regular and routine maintenance around PCWTP**

- 1000 Hr service on all DAFs – Jan 6th – 9th
- Quarterly clean - greased intake screens & chains, cleaned Y-strainers - Jan 14th
- CARE systems changed out filters in HVAC – Jan 17th
- Annual fire extinguisher checks by Pacific Western Fire – Jan 17th
- Ph probe cleaning & calibrating – Jan 21st
- CARE systems annual check on server rack – Jan 22nd
- PAC control back running in Auto, had been operating in manual since the end of December 2024 due to holidays. Changed & re-charged desiccant packet – all good – Jan 22nd
- Installed sludge pump for Centrifuge – Jan 20th – 31st
- Installed MCC comms for flashmix pump – Jan 20th – 31st
- Ongoing auto backwash work with Spartan – Jan 13th – 24th
- Ongoing Hypo conversion work with Maple Reinders – all month

- **Powers Creek Watershed inspections and maintenance**

No Dam inspections done in January due to snow & ice

- Lambly Lake, changed fuel cell Jan 6th & Jan 27th
- Snow course for Province done Jan 30th – Snow depth 80.0cm average & total water equivalent 200cm, 91% of 44yr average, for this time of year

WATER DISTRIBUTION



Power's Creek Water Service Area – Distribution System Monitoring

January 2025

Water Quality Data Review

- Based on the distribution system grab sample monitoring data it appears the water quality objectives were met for chlorine, turbidity and microbiology for the month.
 - Bacteriological samples:
 - 12 samples to CARO for analysis
 - 12 samples analyzed in-house at RVWTP
 - All bacteriological samples came back at <1 CFU/100mL for Total Coliforms and <1 CFU/100mL for *E.coli*
- January 8, 2025 – Lateral One PS online analyzer calibration adjustment 0.28mg/L increase.
- January 13, 2025 – Lateral One PS – Turbidity trend spike occurred after manual operation of the isolation valves inside the station temporarily disturbing online instrument and was not reflective of the water quality. The noted spike cleared immediately upon operation of pump 2.
- January 14, 2025 – Glenrosa Reservoir – Temporary chlorine residual trend spike associated with a manual air purge of the dosing line during routine maintenance. The chlorine spike indicated in the trend was indicative of the water at the time due to the short flow disturbance and the analyser quickly recovered after the maintenance was completed.

Operational System Improvements/Events

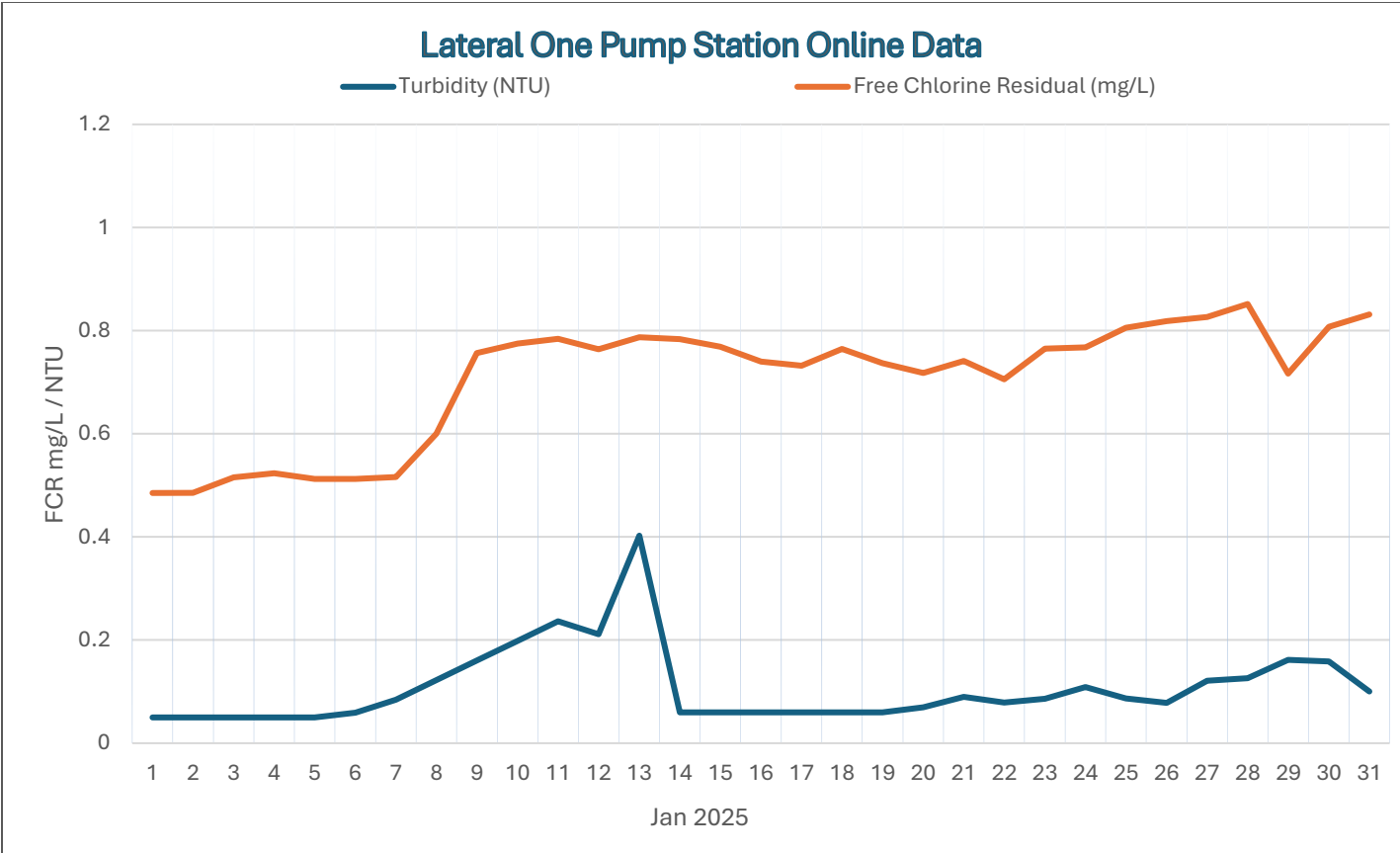
- January 7, 2025 – Glenrosa Reservoir – Building vents observed as not fully sealed and insulation was installed over the vent in effort to reduce cold air draft.
- January 13, 2025 – Lateral One PS – Replaced gland O-rings and limit switch on booster control valve for P1.
- January 17, 2025 – Smith Creek PS – P2 taken out of service due to unstable amperage readings on the motor. P1 put into lead.
- January 22, 2025 – Replaced a 4” leaking air relief valve at the Goat’s Peak Vineyard.
- January 23, 2025 – Smith Creek PS – A generator fault triggered an investigation that found a faulty battery and charger had tripped due to a faulty block heater. The heater and battery were replaced, and the unit was tested. Added coolant to the generator’s radiator.
- January 23, 2025 – Smith Creek PS – Serviced on-line analyzer at the pump station. Including scrub and flush of flow block and calibration of the unit.
- January 30, 2025 – Bulk Water Station – Out of service during planned BC Hydro power outage.
- January 31, 2025 – Glenrosa PS – Based on review of FCR data indicating appropriate concentrations have been maintained to the Pressure Zone and re-chlorination dosing will be discontinued until monitoring indicates the need.

WQ Field and Online Data

Note: Water Quality (WQ) Field Data results reflect that of the noted location within the distribution system at the time of the grab sample collection.

Lateral One PS

Lateral One PS Online Data							
Date	L1 pH	L1 Turbidity	L1 Turbidity (Peak 1 Hr)	L1 Temp	L1 FCR		
	Avg (pH)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
January							
1	7.72	0.05	0.05	4.77	0.43	0.52	0.49
2	7.76	0.05	0.05	4.57	0.42	0.54	0.49
3	7.71	0.05	0.05	4.57	0.46	0.54	0.52
4	7.72	0.05	0.05	4.34	0.46	0.56	0.52
5	7.69	0.05	0.05	4.26	0.45	0.54	0.51
6	7.71	0.06	0.08	4.30	0.45	0.54	0.51
7	7.72	0.08	0.12	5.18	0.48	0.57	0.52
8	7.74	0.12	0.16	5.78	0.46	0.78	0.60
9	7.73	0.16	0.20	6.06	0.71	0.83	0.76
10	7.73	0.20	0.23	5.86	0.71	0.86	0.77
11	7.74	0.24	0.27	5.93	0.73	0.88	0.78
12	7.73	0.21	0.30	5.79	0.71	0.84	0.76
13	7.75	0.40	6.96	5.17	0.71	1.00	0.79
14	7.73	0.06	0.06	4.26	0.71	0.84	0.78
15	7.71	0.06	0.06	3.80	0.68	0.81	0.77
16	7.70	0.06	0.06	3.61	0.67	0.79	0.74
17	7.74	0.06	0.06	3.41	0.64	0.79	0.73
18	7.71	0.06	0.06	3.79	0.68	0.82	0.76
19	7.72	0.06	0.06	3.52	0.65	0.79	0.74
20	7.74	0.07	0.09	3.53	0.63	0.79	0.72
21	7.75	0.09	0.09	4.17	0.63	0.87	0.74
22	7.67	0.08	0.13	3.26	0.62	0.81	0.71
23	7.69	0.09	0.16	3.31	0.69	0.82	0.76
24	7.69	0.11	0.16	3.23	0.69	0.82	0.77
25	7.68	0.09	0.17	3.25	0.71	0.85	0.81
26	7.71	0.08	0.12	3.22	0.73	0.87	0.82
27	7.70	0.12	0.16	3.19	0.75	0.87	0.83
28	7.66	0.13	0.18	4.62	0.75	0.93	0.85
29	7.71	0.16	0.26	7.87	0.65	0.78	0.72
30	7.70	0.16	0.29	6.17	0.67	1.34	0.81
31	7.66	0.10	0.10	5.06	0.76	0.90	0.83
Average	7.71	0.11	0.35	4.51	0.63	0.79	0.71
Min	7.66	0.05	0.05	3.19	0.42	0.52	0.49
Max	7.76	0.40	6.96	7.87	0.76	1.34	0.85



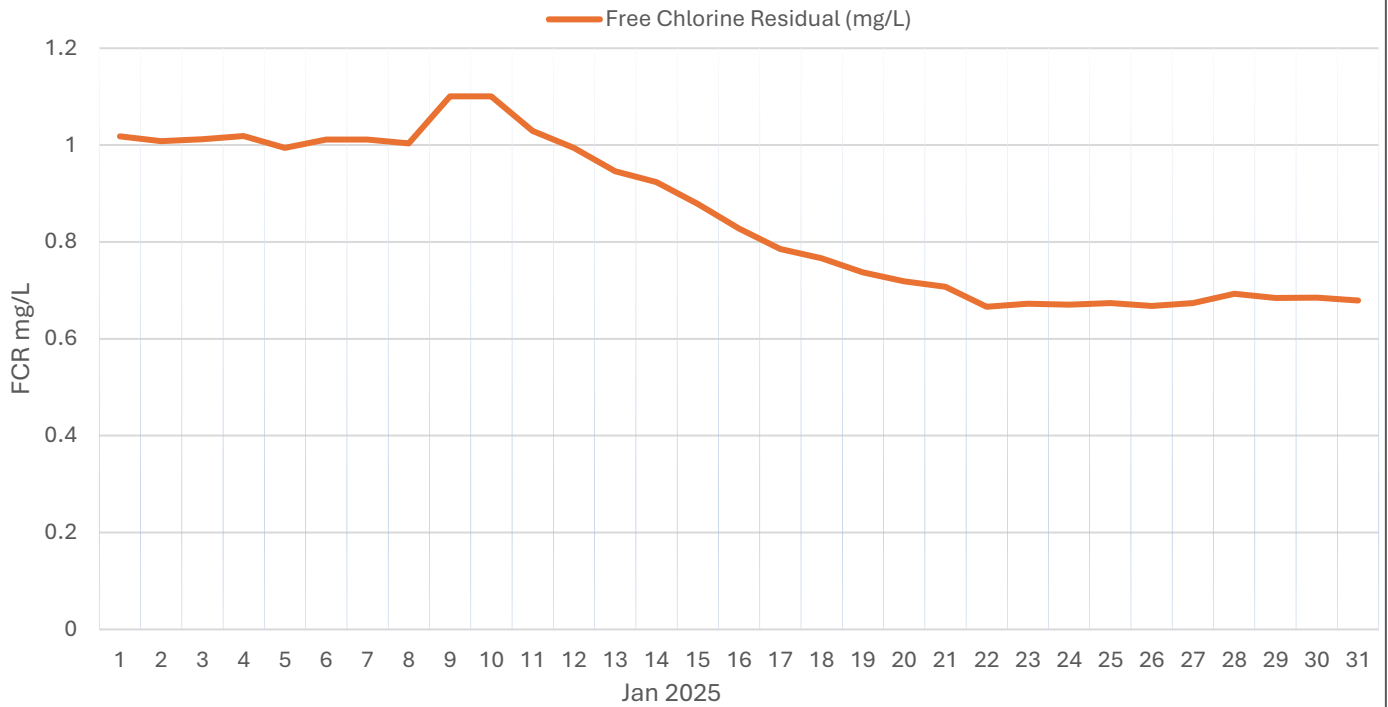
Note: January 13, 2025 – Lateral One PS – Turbidity trend spike occurred after manual operation of the isolation valves inside the station temporarily disturbing online instrument and was not reflective of the water quality. The noted spike cleared immediately upon operation of pump.

Lateral One PS Field Data						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Jan-25	0.1	0.07	3.5	0.74	0.55	7.31
06-Jan-25	0.09	0.1	6.3	0.76	0.52	7.31
08-Jan-25	0.1	0.07	4.2	0.81	0.52	7.71
10-Jan-25	0.1	0.08	5.2	0.73	0.81	
13-Jan-25	0.14	0.1	6.4	0.89	0.8	7.77
15-Jan-25	0.07	0.07	2.8	0.74	0.81	
17-Jan-25	0.13	0.08	2.4	0.74	0.76	7.69
20-Jan-25	0.06	0.07	2.9	0.67	0.73	7.74
22-Jan-25	0.14	0.13	4.8	0.73	0.72	7.12
24-Jan-25	0.16	0.15	4.8	0.82	0.79	7.12
27-Jan-25	0.09	0.07	1.2	0.86	0.86	
29-Jan-25	0.27	0.09	2.1	0.71	0.73	6.93
31-Jan-25	0.18	0.13	6	0.8	0.86	7.69
# of Samples	13	13	13	13	13	10
Average	0.13	0.09	4.05	0.77	0.73	7.44
Range	0.06-0.27	0.07-0.15	1.2-6.4	0.67-0.89	0.52-0.86	6.93-7.77

Glenrosa PS & Reservoir

Glenrosa PS & Reservoir Online Data							
Date	Flow Total From PS	Peak Flow From PS	Reservoir Water pH	Reservoir Water Temp	FCR		
	(ML)	Max (ML/Day)	Avg (pH)	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
January							
1	1.59	5.06	7.72	3.31	0.76	1.88	1.02
2	1.73	5.04	7.71	3.28	0.73	1.98	1.01
3	1.46	5.05	7.72	3.25	0.80	1.98	1.01
4	1.74	5.04	7.71	3.17	0.81	1.81	1.02
5	1.59	5.05	7.71	3.13	0.79	1.79	0.99
6	1.63	5.04	7.71	3.10	0.81	3.82	1.01
7	1.51	5.05	7.71	3.13	0.79	1.98	1.01
8	1.54	4.39	7.71	3.12	0.79	1.92	1.00
9	1.61	4.39	7.71	3.08	0.77	2.01	1.10
10	1.61	4.38	7.70	3.03	0.87	2.07	1.10
11	1.66	4.39	7.69	2.97	0.85	1.36	1.03
12	1.67	4.39	7.69	2.92	0.85	1.34	0.99
13	1.57	4.39	7.69	2.86	0.83	1.29	0.95
14	1.46	4.39	7.69	2.85	0.83	10.41	0.92
15	1.60	5.03	7.68	2.80	0.79	1.19	0.88
16	1.58	4.12	7.68	2.77	0.77	1.16	0.83
17	1.64	4.16	7.67	2.70	0.73	0.98	0.79
18	1.71	4.12	7.68	2.62	0.71	0.96	0.77
19	1.58	4.12	7.68	2.54	0.69	0.98	0.74
20	1.54	4.12	7.68	2.41	0.66	0.95	0.72
21	1.60	4.42	7.67	2.36	0.64	0.96	0.71
22	1.57	4.40	7.65	2.28	0.61	0.82	0.67
23	1.70	4.54	7.63	2.24	0.60	0.84	0.67
24	1.58	4.40	7.62	2.21	0.60	0.92	0.67
25	1.58	4.40	7.62	2.17	0.58	0.88	0.67
26	1.64	4.43	7.61	2.14	0.58	0.88	0.67
27	1.60	4.46	7.61	2.11	0.59	0.90	0.67
28	1.67	5.07	7.61	2.09	0.59	0.94	0.69
29	1.72	5.07	7.60	2.04	0.60	0.89	0.68
30	1.47	5.06	7.60	2.03	0.60	0.89	0.68
31	1.73	5.04	7.59	2.05	0.60	0.92	0.68
Total	48	-----	-----	-----	-----	-----	-----
Average	1.61	4.61	7.67	2.67	0.72	1.67	0.85
Min	1.46	4.12	7.59	2.03	0.58	0.82	0.67
Max	1.74	5.07	7.72	3.31	0.87	10.41	1.10

Glenrosa Reservoir Online Data



Glenrosa Reservoir Field Data

Date	Turbidity	Temp	FCR		pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Jan-25	0.19	3.3	0.89	1.00	7.27
06-Jan-25	0.07	3.4	0.96	1.00	
08-Jan-25	0.17	3	0.79	0.81	7.66
10-Jan-25	0.09	3.2	0.91	1.13	
13-Jan-25	0.15	2.9	0.83	1.02	
15-Jan-25	0.10	2.5	0.74	0.83	
17-Jan-25	0.30	2.5	0.6	0.78	
20-Jan-25	0.41	2.5	0.46	0.68	
22-Jan-25	0.16	1.9	0.76	0.73	7.15
24-Jan-25	0.12	2.2	0.7	0.73	7.26
27-Jan-25	0.08	2.2	0.52	0.59	7.62
29-Jan-25	0.10	2.1	0.7	0.62	6.96
31-Jan-25	0.12	2	0.71	0.86	7.63
# of Samples	13	13	13	13	7
Average	0.16	2.59	0.74	0.83	7.36
Range	0.07-0.41	1.9-3.4	0.46-0.96	0.59-1.13	6.96-7.66

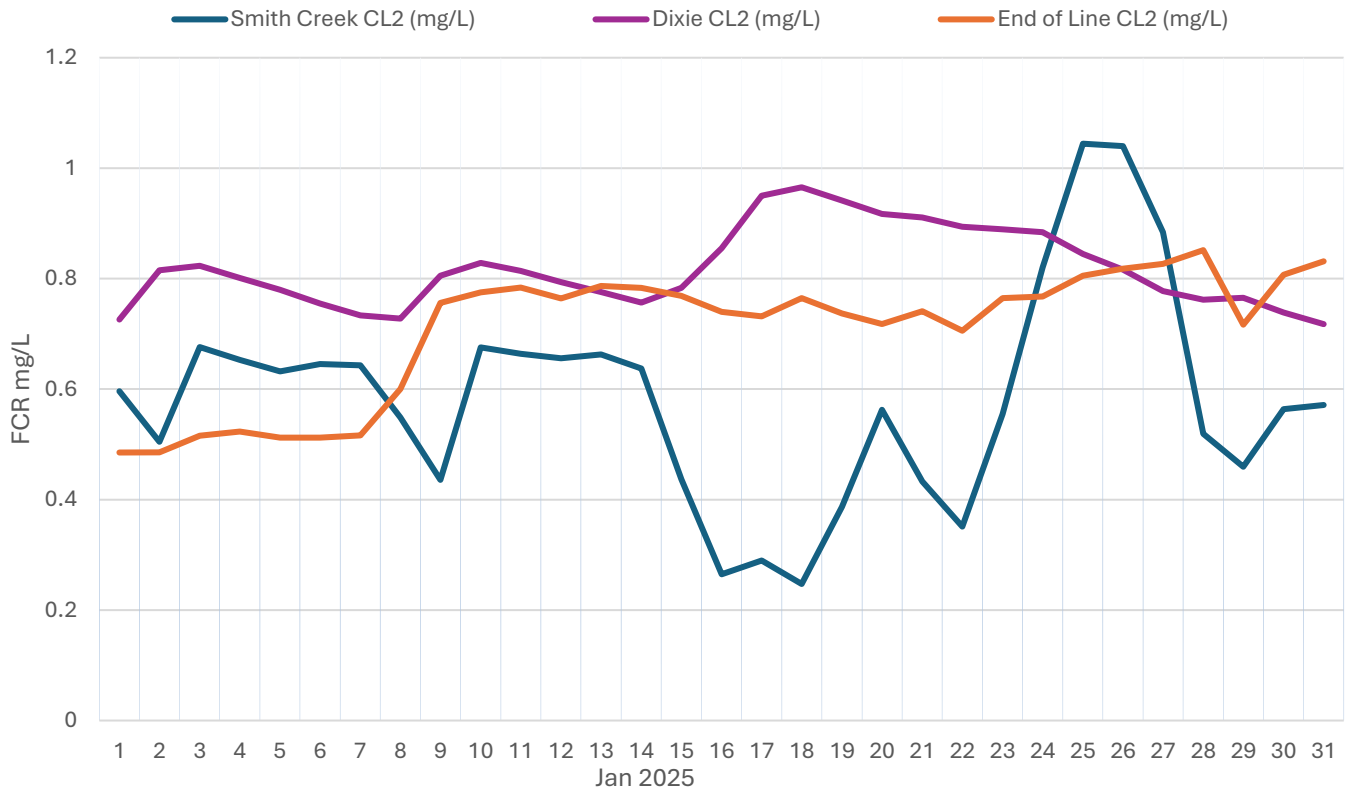
Smith Creek Reservoir, Dixie Reservoir & End-of-Line WQS

Date	Smith Creek Reservoir FCR Online Data		
	Min (mg/L)	Max (mg/L)	Avg (mg/L)
January			
1	0.29	0.70	0.60
2	0.25	0.69	0.50
3	0.64	0.69	0.68
4	0.63	0.68	0.65
5	0.61	0.64	0.63
6	0.62	0.66	0.65
7	0.62	0.66	0.64
8	0.28	0.63	0.55
9	0.23	0.68	0.44
10	0.63	0.69	0.68
11	0.65	0.69	0.66
12	0.65	0.68	0.66
13	0.64	0.69	0.66
14	0.62	0.66	0.64
15	0.24	0.63	0.44
16	0.23	0.29	0.26
17	0.25	0.33	0.29
18	0.21	0.28	0.25
19	0.21	0.64	0.39
20	0.37	0.67	0.56
21	0.30	0.59	0.43
22	0.27	0.46	0.35
23	0.26	3.90	0.55
24	0.54	1.05	0.82
25	0.97	1.10	1.04
26	0.99	1.11	1.04
27	0.62	1.10	0.88
28	0.34	0.68	0.52
29	0.32	0.58	0.46
30	0.54	0.59	0.56
31	0.55	0.59	0.57
Average	0.47	0.77	0.58
Min	0.21	0.28	0.25
Max	0.99	3.90	1.04

Dixie Reservoir FCR Online Data			
Min (mg/L)	Max (mg/L)	Avg (mg/L)	
0.70	0.79	0.73	
0.76	0.86	0.82	
0.81	0.84	0.82	
0.78	0.83	0.80	
0.76	0.81	0.78	
0.73	0.78	0.75	
0.72	0.75	0.73	
0.70	0.79	0.73	
0.74	0.86	0.81	
0.81	0.84	0.83	
0.79	0.84	0.81	
0.78	0.81	0.79	
0.75	0.95	0.78	
0.73	0.77	0.76	
0.73	0.84	0.78	
0.79	0.92	0.86	
0.87	1.01	0.95	
0.95	0.99	0.97	
0.91	0.96	0.94	
0.89	0.94	0.92	
0.87	0.95	0.91	
0.87	0.94	0.89	
0.85	0.92	0.89	
0.85	0.92	0.88	
0.81	0.87	0.84	
0.79	0.84	0.82	
0.74	0.80	0.78	
0.73	0.79	0.76	
0.74	0.79	0.77	
0.73	0.75	0.74	
0.69	0.74	0.72	
Average	0.79	0.85	0.82
Min	0.69	0.74	0.72
Max	0.95	1.01	0.97

End of The Line FCR Online Data			
Min (mg/L)	Max (mg/L)	Avg (mg/L)	
0.53	0.59	0.56	
0.49	0.53	0.51	
0.45	0.51	0.49	
0.49	0.57	0.53	
0.52	0.60	0.56	
0.52	0.59	0.56	
0.53	0.57	0.55	
0.54	0.59	0.56	
0.48	0.56	0.52	
0.49	0.55	0.52	
0.50	0.59	0.54	
0.52	0.58	0.56	
0.53	0.57	0.55	
0.51	0.57	0.54	
0.56	0.64	0.59	
0.58	0.63	0.61	
0.54	0.60	0.57	
0.53	0.58	0.55	
0.56	0.60	0.58	
0.52	0.59	0.55	
0.50	0.54	0.52	
0.50	0.59	0.53	
0.48	0.53	0.50	
0.53	0.58	0.56	
0.53	0.59	0.56	
0.55	0.62	0.59	
0.60	0.65	0.62	
0.60	0.63	0.61	
0.60	0.66	0.64	
0.64	0.67	0.65	
0.63	0.67	0.66	
Average	0.53	0.59	0.56
Min	0.45	0.51	0.49
Max	0.64	0.67	0.66

Smith Creek Reservoir, Dixie & End-of-Line Online Data



Smith Creek Res Field Data					Smith Creek PS Field Data				
Date	Turbidity	Temp	FCR	pH	Turbidity	Temp	FCR		pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)		Grab (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Jan-25	0.19	3.7	0.27	7.31	0.15	8.4	0.64	0.67	7.37
06-Jan-25	0.36	3.6	0.34		0.15	8.8	0.64	0.62	
08-Jan-25	0.17	5.5	0.33		0.21	8.6	0.66	0.6	7.7
10-Jan-25	0.08	3.6	0.33		0.15	8	0.68	0.67	
13-Jan-25	0.14	3.6	0.32		0.24	8.7	0.64	0.65	
15-Jan-25	0.13	3.8	0.33		0.15	5.7	0.31	0.31	
17-Jan-25	0.16	2.4	0.38	7.34	0.1	3.9	0.37	0.31	7.4
20-Jan-25	0.24	4	0.44		0.25	8.3	0.64	0.65	
22-Jan-25	0.19	3.9	0.32	7.12	0.3	7.8	0.4	0.32	7.16
24-Jan-25	0.25	3.6	0.37	7.28	0.17	7.6	0.47	0.62	7.20
27-Jan-25	0.1	2.2	0.35		0.18	8.2	0.57	0.64	7.50
29-Jan-25	0.19	2.9	0.37	7.08	0.68	7.9	0.54	0.5	7.01
31-Jan-25	0.14	2.2	0.35		0.24	8.1	0.51	0.56	
# of Samples	13	13	13	5	13	13	13	13	7
Average	0.18	3.46	0.35	7.23	0.23	7.69	0.54	0.55	7.33
Range	0.08-0.36	2.2-5.5	0.27-0.44	7.08-7.34	0.1-0.68	3.9-8.8	0.31-0.68	0.31-0.67	7.01-7.7

Dixie Reservoir Field Data					
Date	Turbidity	Temp	FCR		pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Jan-25	0.14	5.9	0.67	0.8	7.31
06-Jan-25	0.13	5.6	0.68	0.73	
08-Jan-25	0.19	5.9	0.66	0.69	
10-Jan-25	0.17	5.7	0.7	0.81	
13-Jan-25	0.13	5.4	0.64	0.76	
15-Jan-25	0.13	5.3	0.68	0.81	
17-Jan-25	0.11	5.2	0.74	0.98	7.54
20-Jan-25	0.2	5.2	0.71	0.91	
22-Jan-25	0.15	5.7	0.66	0.86	7.26
24-Jan-25	0.13	5.7	0.67	0.87	7.30
27-Jan-25	0.12	5.4	0.56	0.74	
29-Jan-25	0.13	5.2	0.61	0.74	7.15
31-Jan-25	0.15	5.2	0.5	0.70	
# of Samples	12	13	13	13	5
Average	0.15	5.49	0.65	0.8	7.31
Range	0.11-0.2	5.2-5.9	0.5-0.74	0.69-0.98	7.15-7.54

End-of-Line Field Data					
Date	Turbidity	Temp	FCR		pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	Online Sample (mg/L)	
06-Jan-25	0.1	7.3	0.55	0.54	7.23
13-Jan-25	0.09	7.1	0.51	0.56	
20-Jan-25	0.11	6.3	0.48	0.56	
27-Jan-25	0.09	6.3	0.63	0.61	
# of Samples	4	4	4	4	1
Average	0.1	6.75	0.54	0.57	
Range	0.09-0.11	6.3-7.3	0.48-0.63	0.54-0.61	

WQ Field Data

Mclver SS

Mclver SS Field Data				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Jan-25	0.1	5.8	0.87	7.31
13-Jan-25	0.12	5	0.74	
20-Jan-25	0.08	4.2	0.55	
27-Jan-25	0.09	2.6	0.75	
# of Samples	4	4	4	1
Average	0.1	4.4	0.73	
Range	0.08-0.12	2.6-5.8	0.55-0.87	

Bulk Water Station (Stn)

Bulk Water Station Field Data				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Jan-25	0.11	8.2	0.43	7.6
06-Jan-25	0.1		0.33	
08-Jan-25	0.11	7.8	0.5	7.62
10-Jan-25	0.28	8.2	0.58	
13-Jan-25	0.09	8.6	0.26	
15-Jan-25	0.25	7.6	0.54	6.98
17-Jan-25	0.14	6.2	0.45	7.29
20-Jan-25	0.07	7.6	0.42	
22-Jan-25	0.18	7.9	0.46	
24-Jan-25	0.12	7.3	0.4	
27-Jan-25	0.11	7.3	0.49	
29-Jan-25	0.17		0.59	
31-Jan-25	0.13	5.9	0.52	
# of Samples	13	11	13	4
Average	0.14	7.51	0.46	7.37
Range	0.07-0.28	5.9-8.6	0.26-0.59	6.98-7.62

Old Okanagan SS

Old Okanagan SS Field Data				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Jan-25	0.17	10.9	0.16	7.31
13-Jan-25	0.18	6.2	0.18	
20-Jan-25	0.12	10.2	0.19	
27-Jan-25	0.09	8.9	0.37	
# of Samples	4	4	4	1
Average	0.14	9.05	0.23	
Range	0.09-0.18	6.2-10.9	0.16-0.37	

Webber SS

Webber SS Field Data				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Jan-25	0.08	5.7	0.8	7.3
13-Jan-25	0.17	5.4	0.74	
20-Jan-25	0.07	5.2	0.5	
27-Jan-25	0.13	4	0.74	
# of Samples	4	4	4	1
Average	0.11	5.08	0.7	
Range	0.07-0.17	4-5.7	0.5-0.8	